



## COG WATER RESOURCES PROGRAM UPDATES

(As of 11/10/16)

### General Water Resources:

Updates on work supported by COG's RWQM Work Program and other water-related activities supported by COG's Department of Environmental Programs

Water Quality	COG Contact
<p>On December 12 COG's Water Resources Technical Committee will be hosting a water quality workshop <b>entitled <i>New Approaches to Water Quality Monitoring and Research</i></b>, to share findings from some intensive urban stream monitoring programs, and to discuss how regional funds could be combined to achieve pooled monitoring.</p>	<p>Christine Howard (202) 962-3366 <a href="mailto:cdhoward@mwkog.org">cdhoward@mwkog.org</a></p>
<p><b>Water Infrastructure</b></p> <p><b><u>November is National Critical Infrastructure Security and Resiliency Month.</u></b> During this month, COG is partnering with InfraGard NCR, the FBI, DHS, and critical infrastructure sector leaders to share information to protect our nation's critical infrastructure. DHS has designated a different critical infrastructure security and resiliency focus for each week, as follows: Week 1: Our connected infrastructure – Cyber and physical interdependence Week 2: Hometown Security – “Connect, Plan, Train, Report” Week 3: Partnering with the public and private sectors to build resilience Week 4: Fostering innovation and investment in resilient infrastructure</p> <p>Additional information about this important initiative can be found here: <a href="http://www.ncisrm.org/">http://www.ncisrm.org/</a></p>	<p>Steve Bieber (202) 962-3219 <a href="mailto:sbieber@mwkog.org">sbieber@mwkog.org</a></p>
<p><b>Wastewater</b></p> <p><b><u>RWFFM &amp; WWTP Data</u></b> COG is working to update the Regional Wastewater Flow Forecast Model (RWFFM) to generate new flow projections for COG's WWTPs, based on the COG's recently approved Round 8.4 demographic data trends. COG is also working to send out a survey to update/verify the historical wastewater data for the region. This will not only help provide accurate and up-to-date data for various COG factsheets and other water infrastructure summaries; but the data will also ensure that the inputs to the CBP's models is accurate. This wastewater data also aided into gathering the water-related emissions and other findings for COG's GHG inventory project.</p> <p><b><u>State of the Art (SOA) / Enhanced Nutrient Reductions (ENR)</u></b> COG's wastewater treatment plants have either completed or will complete their plant upgrades to meet stricter SOA/ENR nitrogen requirements for the Bay TMDL. Based on the latest updates all of the plant upgrades will have been completed by 2018 – well in advance of the current 2025 Bay Program deadline – which COG reflected in its Region Forward goals. Note: Many plants are actually treating to low nitrogen concentration levels now; which can occur when their current flows are less than their rated capacity. These upgrades will ensure that capability to treat future growth in the region.</p>	<p>Tanya Spano (202) 962-3776 <a href="mailto:tspano@mwkog.org">tspano@mwkog.org</a></p> <p><b><u>Nasser Ameen</u></b> (202) 962-3394 <a href="mailto:nameen@mwkog.org">nameen@mwkog.org</a></p> <p>Tanya Spano (202) 962-3776 <a href="mailto:tspano@mwkog.org">tspano@mwkog.org</a></p> <p><b><u>Nasser Ameen</u></b> (202) 962-3394 <a href="mailto:nameen@mwkog.org">nameen@mwkog.org</a></p>

<p><b>Stormwater</b></p> <p><b>Stormwater Workshops</b>          COG's Water Resources Technical Committee will be holding a stormwater workshop on November 29 entitled <i>Innovative Approaches to Retrofitting Stormwater Ponds</i>. The purpose is to share innovative pond approaches and work on gaining approval for the use of such practices to meet MS4 and Chesapeake Bay Program requirements.</p>	<p>Heidi Bonnaffon          (202) 962-3216  <a href="mailto:hbonnaffon@mwkog.org">hbonnaffon@mwkog.org</a></p>
<p><b>Drinking Water</b></p> <p><b>Regional Drought and Water Supply Status and Outlook – November 2016</b>          The month of October produced record setting temperatures for our region. Despite below average rainfall in October, at present there is sufficient flow in the Potomac River to meet the Washington metropolitan area's water demands without augmentation from upstream reservoirs. However, flows in the Potomac have dropped to a point that the ICPRB's Section for Cooperative Water Supply Operations on the Potomac (CO-OP) has begun daily monitoring and reporting of flows and withdrawals. To learn more about this process, please visit <a href="#">ICPRB's website</a>. Note that our region is benefiting from the above-average precipitation earlier this year and groundwater levels are still normal in many areas.</p> <p>The Metropolitan Washington Council of Governments (COG), water utilities in the NCR, and Black &amp; Veatch recently completed a Water Supply and Distribution System Redundancy Study. The main purpose of the study was to evaluate the ability of the region's water supply system to withstand regional emergencies and to identify and evaluate potential engineering improvements to increase the overall reliability of the region's water supply system. The study identified several potential improvements that would substantially reduce risk at a favorable benefit cost ratio. COG and NCR water utilities will be working together to consider funding options and strategies to support proposed improvements identified in this study.</p> <p>On December 1<sup>st</sup>, water and wastewater utilities in the region will be meeting with Norfolk Southern Railway to begin a dialogue about freight railway operations in the Metropolitan Washington Region. This will include discussions about hazardous material traffic (by rail) in our region, potential threats to utility assets, and opportunities for cooperative contingency planning and response planning between utilities and Norfolk Southern. This is part of a larger effort to continuously improve regional source water assessment information and related contingency plans.</p>	<p>Christine Howard          (202) 962 3366  <a href="mailto:cdhoward@mwkog.org">cdhoward@mwkog.org</a></p> <p>For additional information <a href="#">click here</a>.</p> <p>Steve Bieber          (202) 962 3219  <a href="mailto:cdhoward@mwkog.org">cdhoward@mwkog.org</a></p>
<p><b>Climate &amp; Energy</b></p> <p><b>Air and Climate Public Advisory Committee (ACPAC)</b>          ACPAC's 2016 Climate and Energy Leadership Award winners were announced at COG's November 9, 2016 Board meeting and posted <a href="#">here</a>. Winners include Fairfax County Public Schools, Love and Carrots, District of Columbia Sustainable Energy Utility, and Sustainable DC.</p> <p>ACPAC is developing an Environmental Justice Toolkit, expected to be completed in 2017.</p> <p><b>2020 Climate &amp; Energy Action Plan Special Work Session</b>          The Climate, Energy, and Environment Policy Committee and the Built Environment Energy Advisory Committee are holding a Special Work Session to</p>	<p>Maia Davis          (202) 962-3227  <a href="mailto:mdavis@mwkog.org">mdavis@mwkog.org</a></p> <p>Maia Davis          (202) 962-3227  <a href="mailto:mdavis@mwkog.org">mdavis@mwkog.org</a></p>

---

develop regional goals and actions for the 2020 Climate & Energy Action Plan on Wednesday, November 16<sup>th</sup>, 10am to Noon in Room 1. [Register here.](#)

**Sustainability in Comprehensive Plans Workshop**

Join us for a workshop to learn about the latest in comp plan best practices and sustainability planning guidance on Monday, December 5<sup>th</sup>, 10am-1pm in Room 4/5. Speakers include experts from the American Planning Association and STAR™ (Sustainability Tools for Assessing and Rating) Communities. Also, sustainability planners from around the region and elsewhere will present their innovations and lessons learned. [Register here.](#)

Amanda Campbell  
(202) 962-3324  
[acampbell@mwkog.org](mailto:acampbell@mwkog.org)

---

## Upcoming Meetings and Events

**November 16, 2016** – Regional National Critical Infrastructure Security & Resilience Month  
Event: <http://www.ncisrm.org/the-event>

**November 29, 2016** – COG workshop: Innovative Approaches to Retrofitting Stormwater Ponds

**December 12, 2016** - COG workshop: New Approaches to Water Quality Monitoring and Research

**January 27, 2016** – CBPC meeting

---