



COG WATER RESOURCES PROGRAM UPDATES

(As of 5/17/17)

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><u>Potomac River & Chesapeake Bay Water Quality Improvements</u> See the Chesapeake Bay Program Updates document for details regarding recent report cards/scores for Potomac River and Chesapeake Bay improvements.</p> <p>“There is a scientific consensus that the health of Bay waters, including the tidal Potomac, is slowly improving due to restoration efforts. The need for continued long-term water quality monitoring has also been identified by everyone as a <u>critical</u> element of the EPA/CBP and related federal budget discussions.”</p>	<p>Karl Berger (202) 962-3350 kberger@mwkog.org</p>
<p><u>Drug Take Back Day a Success</u> COG's water and wastewater utilities, law enforcement agencies, and health agencies partnered on promoting the U.S. Drug Enforcement Agency's <i>Drug Take Back Day</i> on April 29th to protect water quality and safeguard public health. With so many agencies working to get the word out, Maryland said the drug take back day was a success, with higher quantities of drugs collected (over 5.5. tons) than at its previous biannual collections. In addition, COG's Protect Your Pipes campaign is exploring other drug disposal options such as Dispose RX.</p>	<p>Heidi Bonnaffon (202) 962-3216 hbonnaffon@mwkog.org</p>
Water Infrastructure	COG Contact
<p><u>Bloomberg Podcast Focuses on Water Infrastructure</u> Bloomberg produced an April 4th podcast 9.5 minute interview with Rep. Tonko (D-NY), House Environment Subcommittee, about the need for investment in drinking water infrastructure. This is the first of a monthly series on water infrastructure. For the link: https://soundcloud.com/partsperebillion/water</p>	<p>Tanya Spano (202) 962-3216 hbonnaffon@mwkog.org</p>
Wastewater	COG Contact
<p><u>WWTP GIS-Related Mapping Effort.</u> COG staff is working on a new mapping effort that involves analyzing the newly issued Chesapeake Bay Phase 6 Watershed Model (WSM) outputs; which includes water sector GIS layers for the COG region. This information is used by the CBP to allocate some source loads and project future growth in the Bay watershed. This same data layer, along with COG's Cooperative Forecast data, is used by COG staff to support the following regional needs: projecting future wastewater flows, help ICPRB project future drinking water needs, and to calculate water sector contributions to the COG region's Greenhouse Gas Inventory.</p>	<p>Tanya Spano (202) 962-3776 tspano@mwkog.org</p> <p>Nasser Amen (202) 962-3394 nameen@mwkog.org</p>

<p>COG staff will be reviewing these GIS layers and working with COG members to verify WWTP service areas, CSO areas, and MS4/stormwater areas to ensure their accuracy. COG will also provide an overview of the Phase 6 WSM website and assist members that may wish to verify their own water sector information.</p>	<p>Karl Berger (202) 962-3350 kberger@mwkog.org</p> <p>Mukhtar Ibrahim (202) 962-3364 mibrahim@mwkog.org</p>
<p><u>Wastewater Technologies & Innovations - Micropollutants</u> As part of ongoing efforts to highlight meaningful innovations in wastewater treatment, COG staff was invited to and helped to organize representatives from various COG and other water utilities in the Bay watershed to a session on <i>Removing Pharmaceuticals and Other Micropollutants at Wastewater Treatment Plants</i> that the Chesapeake Bay Commission (CBC) had at their May 4th meeting. COG staff will be working with those members to provide feedback to the CBC on whether such technologies are viewed as meaningful for this region and share other ongoing efforts to address this particular water quality challenge.</p>	<p>Tanya Spano (202) 962-3776 tspano@mwkog.org</p>
<p>Stormwater</p>	<p>COG Contact</p>
<p><u>Anacostia Partnership Project Receives Best in Bay Recognition from Chesapeake Stormwater Network</u> In April 2017, a project sponsored by the Anacostia Watershed Restoration Partnership and COG received third place in the BUBBA (Best Urban Best Management Practice in the Bay Award) program of the Chesapeake Stormwater Network. Working with the Montgomery County Department of Environmental Protection and the Maryland Department of Natural Resources under a grant from the National Fish and Wildlife Foundation, COG coordinated the installation of continuous monitoring and adaptive control technology to retrofit a 15-acre wet pond in the Anacostia watershed in Montgomery County.</p> <p>This new technology from OPTiRTC provides for real-time control of pond volume levels in response to forecasted precipitation data. In this project, the monitoring data indicated that average retention times in the pond doubled after the technology was installed, improving its pollution removal performance and the pond's ability to mitigate downstream impacts. As part of the Partnership's <i>Anacostia River Watershed Smart Integrated Stormwater Management</i> project, similar automated control systems for retrofitting a dry pond and a bio-retention system are being evaluated by Prince George's County and the District of Columbia, respectively. Other local governments in the region also are implementing the technology.</p>	<p>Phong Trieu (202)-962-3291 ptrieu@mwkog.org</p>
<p><u>Stormwater Procurement Workshop - June 14th</u> COG and the Montgomery County Department of Environmental Protection are co-sponsoring a regional workshop on stormwater procurement Wednesday, June 14, in the auditorium of the Montgomery County Council in Rockville, Md., from 10 a.m. to 2:30 p.m.</p> <p>Please share information about this workshop with the procurement specialists supporting your programs, to allow them to register and block it on their calendars. Register for the workshop by clicking on this link: www.SignUpGenius.com/go/4090A4BABA72DA7FF2-regional</p>	<p>Heidi Bonnaffon (202) 962-3216 hbonnaffon@mwkog.org</p>

Drinking Water	COG Contact
<p><u>Drought Monitoring</u> The region received some much-needed rain during the month of April, and as a result almost half of the Basin, especially west of the Fall Line, is no longer dry. Local reservoirs are full and stream flows in the Potomac are currently above median levels. Groundwater levels vary throughout the Potomac Basin from much below normal to normal, depending upon well location.</p> <p>At the end of February 2017, the Maryland Department of the Environment issued a drought warning for central Maryland areas outside of the WSSC service territory and the Eastern region. Areas inside the WSSC service territory in Prince George’s County and Montgomery County are exempt. As of April 15, the eastern region drought status has returned to normal but the central region drought status remains in Warning.</p> <p>On March 20, 2017, the Virginia Department of Environmental Quality issued a drought watch for Northern Virginia public and private water supplies using groundwater and private water supplies using surface water. Water systems using the Potomac River or Occoquan Reservoir are not affected at this time. As of May 1, 2017, VADEQ’s drought watch is still in effect.</p> <p>For additional information, please visit COG’s Water Supply and Drought Website at https://www.mwcog.org/drought</p>	<p>Christine Howard (202) 962 3366 cdhoward@mwcog.org</p>
Climate, Energy, and Sustainability – Water Related	COG Contact
<p><u>Fleets for the Future: Cooperative Purchase of Alternative Fuel Vehicles</u> COG and the Mid-Atlantic Purchasing Team (MAPT) is partnering with the National Association of Regional Councils (NARC) on a US Department of Energy award winning project called Fleets for the Future (F4F) to develop and implement five regional and one national scale procurement for alternative fuel vehicles and refueling/charging infrastructure. The purpose of the effort is to reduce the incremental cost of commercially available alternative, clean fuel vehicles and critical components in regional markets and nationwide.</p> <p>Eligible stakeholder public fleets in the Mid-Atlantic region include local, state, and municipal governments, school districts and universities, and public electric and water/wastewater utilities. Eligible vehicle types are light, medium, and heavy duty vehicles. Fuel types include plug-in electric vehicles, compressed natural gas (CNG), propane, and ethanol. This is a two-year funded project expected to provide participating governments and stakeholders long lasting cost-saving benefits. For more information, contact Leah Boggs at lboggs@mwcog.org go to http://www.fleetsforthefuture.org/</p>	<p>Leah Boggs (202) 962-3336 lboggs@mwcog.org</p>

C-Leap – ICLEI GHG Emission Inventory & Analyzing the Drivers of Change

COG is participating with five other cities in a DOE-funded grant, led by the City of Bellevue, to update the Metropolitan Washington region’s GHG emission inventory. The project will create and disseminate a framework for performing a “contribution analysis” of community-scale GHG emission trends over time. The contribution analysis will identify how various factors have contributed to emissions changes between two GHG inventories.

COG is in the process of updating its 2015 regional GHG emission inventory, and will use the 2012 as the baseline inventory. The 2015 inventory was completed in April, and the contribution analysis will be completed by the end of November.

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Regional Tree Canopy Management Strategy Report

The Regional Tree Canopy Workgroup has drafted a Regional Tree Canopy Management Strategy document in cooperation with local forestry staff in the region. This document is a guideline for local government staff to assist in the management and enhancement of forest cover at the community level. Furthermore, recommendations in the report are designed to support Region Forward Sustainability Goals for regional forest cover management, state and local initiatives to continue to improve air quality, and the Chesapeake Bay Program’s targets and indicators to protect water quality and support a healthy regional green infrastructure. Staff will be soliciting comments on the report in June. Please direct comments to Brian LeCouteur blecouteur@mwcog.org

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Security Events & Seminars

The Metropolitan Washington Council of Governments (COG) and the Society of American Military Engineers (SAME) NOVA Post will be providing a 1.5 hour Control Systems Cybersecurity Workshop at the COG Ronald F. Kirby Training Center on Jun 13, 2017 from 10:00 am to 11:30 am. The Cybersecuring Control Systems Workshop is geared to help architects, engineers, contractors, owners, facility managers, maintenance engineers, physical security specialists, information assurance professionals—essentially anyone involved with implementing cybersecurity in the Control Systems (CS) life cycle—to learn the best practice techniques to better protect their CS. The workshop will be led by Michael Chipley, Eric Nickel and Daryl Haegley who have been instrumental in developing the Risk Management Framework (RMF) for Control Systems (CS) guidance, standards and policy.

For additional information and the full list of CS RMF documents, the Whole Building Design Guide Cybersecurity Resource webpage and the DoD ESTCP website provide the most comprehensive guidance:

- <http://www.wbdg.org/resources/cybersecurity>
- <https://www.serdp-estcp.org/Investigator-Resources/ESTCP-Resources/Demonstration-Plans/Risk-Management-Framework-RMF-Cybersecurity-Guidance-and-Templates>

On-site seating is limited to 80 people and a WebEx session will be provided. Please direct any questions regarding the workshop to Steve Bieber at sbieber@mwcog.org.

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Upcoming Meetings and Events

- May 19th – CBPC Meeting & Stormwater Tour
- June/July – WRTC Work session
- July 28th – CBPC Meeting
- September (date TBD) – WRTC Meeting
- September 15th – CBPC Meeting & Bay-Water Quality Forum
- November (date TBD) – WRTC Meeting
- November 17th – CBPC Meeting