

Metropolitan Washington Council of Governments

One Region Moving Forward

COG BOARD OF DIRECTORS MEETING

District of Columbia

Bladensburg*

Bowie

Charles County

College Park

Frederick

Frederick County

Gaithersburg

Greenbelt

Montgomery County

Prince George's County

Rockville

Takoma Park

Alexandria

Arlington County

Fairfax

Fairfax County

Falls Church

Loudoun County

Manassas

Manassas Park

Prince William County

DATE: April 9, 2014

TIME: 12:00 – 2:00PM

PLACE: COG Board Room

PLEASE NOTE: The meeting will begin promptly at Noon. Lunch for members and alternates will be available at 11:30AM

AGENDA

1. CALL TO ORDER AND PLEDGE OF ALLEGIANCE (12:00PM)

**Phil Mendelson, Council Chair, District of Columbia
COG Board Chair**

2. ANNOUNCEMENTS (12:00 – 12:05PM)

Chair Mendelson

A. 2013 Annual Report and 2014 Regional Directory

3. EXECUTIVE DIRECTOR'S REPORT (12:05 – 12:10PM)

4. UNITED WAY OF THE NATIONAL CAPITAL AREA (12:10-12:25PM)

Rosie Allen-Herring

President and Chief Executive Officer, United Way of the National Capital Area

United Way of the National Capital Area (NCA) helps thousands of people in the region improve their lives and their futures. Their community support system includes over 730 member charities with access to hundreds of work sites and tens of thousands of donors and volunteers. They support eight Community Impact Funds, which work to solve complex social issues by directing funds to critical areas of need: health, financial stability, and education. Rosie Allen-Herring, the new President and CEO will provide a brief introduction of the United Way of the NCA and the services they provide to the region.

RECOMMENDED ACTION: Receive briefing.

*Adjunct Member

**5. AMENDMENTS TO AGENDA
(12:25 – 12:30PM)**

**6. APPROVAL OF MINUTES OF MARCH 12, 2014
(12:30 – 12:35PM)**

**7. ADOPTION OF CONSENT AGENDA ITEMS
(12:35 – 12:40PM)**

A. RESOLUTION AUTHORIZING COG TO FILE A PLANNING GRANT APPLICATION AND EXECUTE A GRANT CONTRACT WITH THE FEDERAL AVIATION ADMINISTRATION FOR PHASE 29 OF THE CONTINUOUS AIRPORT SYSTEM PLANNING PROGRAM

The Board will be asked to adopt resolution R30-2014 authorizing the Executive Director, or his designee, to submit a planning grant application and execute a grant contract with the Federal Aviation Administration to conduct Phase 29 of a multi-year program for Continuous Airport System Planning for the National Capital Region, in an amount not to exceed \$311,850. The FAA will provide funds for ninety percent, \$283,500, of the project total. The resolution further authorizes the Executive Director, or his designee, if necessary, to enter into contracts with qualified firms to provide specialized support in performance of the grant requirements. Such contracts shall result from COG's competitive procurement system. A ten percent COG match of \$28,350 from budgeted local funds is required.

RECOMMENDED ACTION: Adopt Resolution R30-2014.

B. RESOLUTION AUTHORIZING COG TO ISSUE A CONTRACT TO DEVELOP AND CONDUCT AN EXERCISE PROGRAM FOR WMATA

The Board will be asked to adopt Resolution R31-2014, authorizing the Executive Director, or his designee to receive and expend up to \$325,925 to fund the development and conduct of a WMATA exercise program. The program will include three multi-jurisdictional exercises and one transportation leadership seminar focusing on the loss of all WMATA service modes based on a terrorism scenario, regional evacuation support within the National Capital Region, and the development of an After Action Report for each of the exercises. Funding for this effort will be provided through a Subgrant from the State Administrative Agent (SAA). **No COG matching funds are required.**

RECOMMENDED ACTION: Adopt Resolution R31-2014.

C. RESOLUTION AUTHORIZING COG TO ISSUE A CONTRACT TO DEVELOP, CONDUCT, AND DOCUMENT MASS FATALITY WORKSHOP

The Board will be asked to adopt Resolution R32-2014, authorizing the Executive Director, or his designee to receive and expend up to \$70,000 to develop, conduct, and document a Mass Fatality Workshop. It will create an understanding among officials from NCR jurisdictions as to the challenges that may delay or negatively impact response and/or recovery to any incident that produces mass fatalities. Funding for this effort will be provided through a Subgrant from the State Administrative Agent (SAA). **No COG matching funds are required.**

RECOMMENDED ACTION: Adopt Resolution R32-2014.

D. RESOLUTION AUTHORIZING COG TO ISSUE A CONTRACT TO DESIGN, DEVELOP, AND CONDUCT A HURRICANE EXERCISE SERIES FOR THE DISTRICT OF COLUMBIA

The Board will be asked to adopt Resolution R33-2014, authorizing the Executive Director, or his designee to receive and expend up to \$220,000 to design, develop, and conduct a hurricane exercise series for the District of Columbia. The hurricane exercise series will enhance general preparedness and will be used to validate several District of Columbia plans and procedures to include the Flood Plan, Field Operations Guide, State Operations Guide, the District Response Plan, and standard operating procedures. Funding for this effort will be provided through a Subgrant from the State Administrative Agent (SAA). **No COG matching funds are required.**

RECOMMENDED ACTION: Adopt Resolution R33-2014.

E. RESOLUTION AUTHORIZING COG TO ENTER INTO A MEMORANDUM OF UNDERSTANDING (MOU) WITH THE DISTRICT OF COLUMBIA WATER AND SEWER WATER AUTHORITY (DC WATER) FOR WATER QUALITY ANALYSIS AND RELATED CONTRACTOR SERVICES

The Board will be asked to adopt Resolution R34-2014, authorizing the Executive Director or his designee to enter into a Memorandum of Understanding with the District of Columbia Water and Sewer Authority (DC Water) to provide water sampling and related services to help determine the effectiveness of combined sewer overflow system pollutant controls. DC Water will pay the full cost of the services to be procured (not to exceed \$950,000, including an administrative fee to COG for its management and administrative services). The Executive Director or his designee is also authorized to issue a Request for Proposals to obtain contractor assistance, and execute a contract for this work in an amount not to exceed \$900,000. **No COG matching funds will be required.**

RECOMMENDED ACTION: Adopt Resolution R34-2014.

F. RESOLUTION AUTHORIZING COG TO ISSUE A CONTRACT FOR THE DEVELOPMENT OF A DISTRICT ALL HAZARDS INCIDENT MANAGEMENT TEAM (IMT) CERTIFICATION AND CREDENTIALING PROGRAM

The Board will be asked to adopt Resolution R35-2014, authorizing the Executive Director, or his designee to receive and expend up to \$186,900 for the development of a District of Columbia All Hazards Incident Management Team (IMT) Certification and Credentialing Program. The project will result in the formal certification of the existing IMTs as Type 2 teams and that will result in more cohesive incident management and coordination capabilities. Funding for this effort will be provided through a Subgrant from the State Administrative Agent (SAA). **No COG matching funds are required.**

RECOMMENDED ACTION: Adopt Resolution R35-2014.

G. RESOLUTION AUTHORIZING COG TO ISSUE A CONTRACT FOR STREAM RESTORATION MONITORING FOR SPRINGHOUSE AND NASH RUN SUBMISSION TO THE DISTRICT DEPARTMENT OF THE ENVIRONMENT

The Board will be asked to adopt Resolution R36-2014, authorizing the Executive Director, or his

designee to receive and expend up to \$60,000 from the District of Columbia Department of the Environment, Watershed Protection Division for the Stream Restoration Monitoring for Springhouse and Nash Run project to perform water quality, flow, macroinvertebrate and fish sampling for evaluating pre and post-stream restoration project success in the Springhouse and Nash Run watersheds, and prepare a final report summarizing results and recommendations from the monitoring effort. The project duration will be 2-years from contract execution. COG matching funds of \$10,000 from budgeted and planned COG urban watershed program funds (\$5,000 per year for the FY15-16 period) will be provided.

RECOMMENDED ACTION: Adopt Resolution R36-2014.

**8. OVERVIEW OF THE NATIONAL CAPITAL REGION'S WATER INFRASTRUCTURE
(12:40-1:35PM)**

Penny Gross
Supervisor, Fairfax County Board of Supervisors
Chair, Chesapeake Bay and Water Resources Policy Committee

Stuart Freudberg
Senior Director, Environment, Public Safety and Health, COG

Tom Jacobus
General Manager, Washington Aqueduct

Bradford Seamon
Chief Administrative Officer, Prince George's County

The Board established regional infrastructure as a priority in its 2014 Work Plan. This briefing on water infrastructure will be the first of a series of briefings on the region's infrastructure. Staff will provide information on the basics of the Region's drinking water, wastewater and stormwater infrastructure. At today's meeting drinking water system manager, Tom Jacobus of Washington Aqueduct and Prince George's County Executive Bradford Seamon, together with COG staff, will provide more detail about the drinking water systems serving the Region, security of the water systems, and best practices being used to address water system issues. More in-depth information on wastewater and stormwater infrastructure will be provided later in 2014.

RECOMMENDED ACTION: Receive briefing and discuss.

9. SUPPORTING INCLUSION OF GREEN INFRASTRUCTURE IN THE DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY'S LONG TERM CONTROL PLAN FOR COMBINED SEWER OVERFLOW ABATEMENT (1:35-1:55PM)

Penny Gross
Supervisor, Fairfax County Board of Supervisors
Chair, Chesapeake Bay and Water Resources Policy Committee

George Hawkins
General Manager, District of Columbia Water and Sewer Authority

DC Water has released a \$100 million proposal for public comment that would modify the Clean Rivers Project to incorporate green infrastructure as an innovative new element of the plan to address combined sewer overflows to the Potomac River and Rock Creek. Mr. Freudberg will discuss the details of the proposal and the overall benefits to green infrastructure in the region. The Board will discuss Resolution RX-2014, endorsing the inclusion of green infrastructure in the District of Columbia Water and Sewer Authority's Long Term Control Plan for Combined Sewer Overflow Abatement.

RECOMMENDED ACTION: Adopt Resolution R37-2014.

10. OTHER BUSINESS
(1:55-2:00PM)

11. ADJOURN – THE NEXT MEETING IS WEDNESDAY MAY 14, 2014
(2:00PM)



Reasonable accommodations are provided for persons with disabilities. Please allow 7 business days to process requests. Phone: 202.962.3300 or 202-962.3213 (TDD). Email: accommodations@mwkog.org. For details: www.mwkog.org



AGENDA ITEM #2

ANNOUNCEMENTS

(NOTE: NO ATTACHMENTS)



AGENDA ITEM #3

EXECUTIVE DIRECTOR'S REPORT



Metropolitan Washington Council of Governments Executive Director's Report • April 2014

COMMITTEE WORK HEART OF COG OUTREACH MEDIA EVENTS/MEETINGS

Policy Board & Committee Work

TRANSPORTATION PLANNING BOARD

The Board was briefed on project submissions for the air quality conformity assessment for the 2014 *Constrained Long-Range Transportation Plan* (CLRP) update, approved the *FY 2015 Unified Planning Work Program* and *Commuter Connections Work Program*, and heard from staff about a plan for a comparative assessment of the CLRP and the *Regional Transportation Priorities Plan*.

CHESAPEAKE BAY AND WATER RESOURCES POLICY COMMITTEE

The Committee heard a report on the West Virginia chemical spill, reviewed the region's approach to drinking water monitoring, and considered what additional actions are needed to protect against the risk of a similar event. CBPC also submitted comments on the draft Bay Agreement. The comments emphasized the critical role of local governments as program and project implementers, and advocated that local governments be involved in the development of plans which are well-supported financially and technically. They also urged that the strategies and decisions consider impacts to water, air, and energy sectors and be adaptable to changing conditions, including science and climate.

CLIMATE ENERGY AND ENVIRONMENT POLICY COMMITTEE

CEEPC and the Air and Climate Public Advisory Committee launched the new regional Climate and Energy Leadership Awards Program to recognize public sector, nongovernmental organizations, and stakeholders that are implementing innovative solutions that address key climate and energy issues. The awards program will encourage efforts to implement actions and achieve goals identified in the CEEPC 2013-2016 Action Plan. Applications for the awards are due Wednesday, June 18 and awardees will be announced in the fall.

Heart of COG: Improving Travel to/from Our Major Airports

ABDUL MOHAMMED, DEPARTMENT OF TRANSPORTATION PLANNING



One of our region's competitive advantages is proximity to three major airports—Reagan National, Dulles International, and BWI-Thurgood Marshall. For the past three decades, COG has played an important role in supporting these transportation hubs by conducting data-rich, air passenger surveys used by a variety of officials and stakeholders.

For the past twelve years, Abdul Mohammed—a 25-year veteran of COG—has overseen this project, which involves 40-45 surveyors and has been conducted every two years since 2005. The most recent survey in 2013 was informed by 24,000 people, who answered questions like: where they traveled from to get to the airport and what mode of transport they used.

The surveys are conducted for the Metropolitan Washington Airports Authority and the Maryland Aviation Administration. The airport operators use our data to plan capital improvements and other amenities. The Transportation Planning Board at COG uses the surveys to develop forecasts of future travel to the airports by autos, taxis, airport vans, limos, buses, and Metrorail. These forecasts assess improvements needed to maintain convenient access to the airports from all parts of the region. In addition, Mohammed coordinates with the Baltimore Metropolitan Council, which finds great value in this data. In our complex and interconnected region, Abdul Mohammed's work on these surveys illustrates a key layer of our transportation system and helps leaders make wise investments in these vital hubs.

- Chuck Bean, Executive Director

WORKSHOP ON STRENGTHENING COMMUNITIES ALONG THE PURPLE LINE

COG participated in a workshop at the University of Maryland, organized by the Purple Line Corridor Coalition, which brought regional leaders together to discuss community development challenges and opportunities along the transit line. Recent and ongoing work at the Council of Governments is helping support planning efforts along the corridor, including the *Place + Opportunity* report and a current TPB study to identify pedestrian and bicycle improvements near underutilized transit stations.



College Park Mayor Andrew Fellows, Greenbelt Mayor Emmett Jordan among other leaders at workshop

DTP DIRECTOR SEARCH

COG launched its search for its next Director of Transportation Planning, an expert, forward-thinking leader who's up to the challenge of guiding regional transportation planning in the National Capital Region. The search is open until April 30. A recruitment profile has been circulated widely and is available on the [COG home page](#).



Charles County Tour: Jason Groth, Senior Planner; Deborah Hall, Deputy County Administrator; Bobby Rucci, Commissioner; Debra Davis, Commissioner; Ken Robinson, Commissioner; Candice Kelly, Commissioner President; Chuck Bean; Reuben Collins, Commissioner

LOCAL, REGIONAL LEADERS DISCUSS ACTIVITY CENTERS

Executive Director Chuck Bean gave a presentation on COG and its work program to the Charles County Board of Commissioners. He also joined Commissioners on a tour, which included the Waldorf Urban Redevelopment Corridor, which is located in one of the region's Activity Centers. Bean and COG Planning Director Paul DesJardin also met with Sacramento Area Council of Governments Executive Director Mike McKeever at COG to discuss regional planning and the *Place + Opportunity* report.

PLACE + OPPORTUNITY, PRIORITIES PLAN PRESENTATIONS

COG staff presented *Place + Opportunity* to the Planning, Zoning, and Economic Development Committee of the Prince George's County Council and Washington Regional Association of Grantmakers (WRAG) Affordable Housing Action Team. They also gave a joint presentation on *Place + Opportunity* and the *TPB Priorities Plan* at the National Capital Planning Commission.



Animal control officers, rescuers, and others fill the COG Board Room for the 2014 Animal Services Awards

AWARDS RECOGNIZE OFFICIALS FOR ANIMAL SERVICES

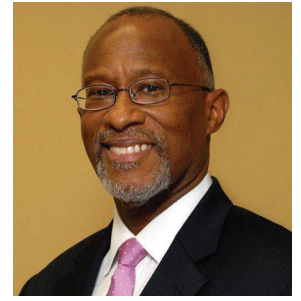
The COG Animal Services Committee hosted its biennial awards ceremony to honor animal control officers, rescuers, volunteers, and other dedicated animal service/care providers for their outstanding service to animals, animal owners, and the local communities within the region. The ceremony was hosted by Liz Crenshaw of NBC4.

COMMUNITY LEADERSHIP

COG transportation staff led the twelfth session of the TPB Community Leadership Institute (CLI). The latest session was geared toward staff of local elected officials. CLI aims to help participants connect the interests of their local communities with shared regional planning challenges and opportunities.

Q&A FEATURES FIRE CHIEF, EMERGENCY PREPAREDNESS COUNCIL CHAIRS

In two recent Q&A's on the *Region Forward* blog and *Capital Region Connections* e-newsletter, COG featured the leaders of two of its main groups related to public safety: Fairfax County Fire Chief Richard Bowers, who serves as Chair of the COG Fire Chiefs Committee and District of Columbia Deputy Mayor for Public Safety and Justice Paul Quander, who serves as Chair of the Emergency Preparedness Council.



COG SELECTS MCKOWN TO LEAD NEW OFFICE

Mary Anne McKown, a manager with more than 22 years of experience, 14 of which included leading homeland security and emergency management projects, has been selected as the Managing Director of the National Capital Region's Homeland Security Program Management Office (PMO). The PMO was established last fall to coordinate and direct homeland security programs for the region. The PMO will be housed at COG.



NEW TPB STUDY FOCUSES ON UNDERUTILIZED RAIL STATIONS

Twenty-five underutilized Metrorail or commuter rail stations in the region will be the focus of the second phase of a TPB study looking for ways to take greater advantage of unused capacity in the region's existing rail transit system. The study, which was featured in [a story by WAMU](#), will identify key pedestrian and bicycle improvements near each of the stations to improve access to nearby employment sites, or to make it easier for people who live nearby to reach rail stations and get to job opportunities elsewhere in the region.

TPB'S 2014 LONG-RANGE PLAN UPDATE

Maryland, Virginia, and the District of Columbia submitted 11 major projects to the Transportation Planning Board to be included in this year's update to the region's *Constrained Long-Range Transportation Plan*, known as the CLRP. The plan was highlighted by *The Washington Post's* Dr. Gridlock.

STREET SMART BICYCLE AND PEDESTRIAN SAFETY CAMPAIGN LAUNCH -
TUESDAY, APRIL 15, 2014 - WOODBRIDGE, VA

TRANSPORTATION PLANNING BOARD -
WEDNESDAY, APRIL 16, 2014

HUMAN SERVICES & PUBLIC SAFETY POLICY COMMITTEE -
FRIDAY, APRIL 18, 2014

BIKE TO WORK DAY -
FRIDAY, MAY 16, 2014

For more information about these events and other COG meetings, visit www.mwcog.org/calendar



March 3, 2014

The Honorable Phil Mendelson
Chairman
Metropolitan Washington Council of Governments
777 North Capitol Street
Washington, D.C. 20001

Dear Chairman Mendelson,

On behalf of the Washington Metropolitan Area Transit Authority (WMATA) Board of Directors, allow me to extend my appreciation to the Metropolitan Washington Council of Governments' (MWCOC) Board of Directors for its endorsement of *Momentum: The Next Generation of Metro*, Metro's strategic plan for 2025. We were pleased that MWCOC's endorsement called upon local, regional, and federal leaders to find funding solutions for *Momentum*. Importantly, the WMATA Board appreciates the MWCOC Board's recent reinforcement of the need for federal stakeholders to join the region in properly funding transit and transportation needs.

In a very important first step, Governor O'Malley, Governor McAuliffe and Mayor Gray announced their commitment and intention to provide an initial \$75 million to fund FY15 *Momentum*. We are very grateful to Governor O'Malley, Governor McAuliffe and Mayor Gray for their leadership.

As one of the stewards of the region, your leadership and that of the MWCOC Board is critical to advancing the case for additional Metro funding and articulating the importance of a strong public transit system to the region's residents, business owners, and elected officials. Additionally, a robust Metro system will leverage the myriad of other local and regional transportation investments that are proposed in the coming years. The benefits realized by fully funding *Momentum* will clearly support the region's ability to meet the goals and targets outlined in MWCOC's *Region Forward and Economy Forward*. WMATA's Board of Directors and leadership are looking forward to continuing to collaborate with you and other Board members as we seek to fund and implement *Momentum*.

Sincerely,

Tom Downs
Chair, Board of Directors

cc: Bill Euille, COG Vice Chairman
Roger Berliner, COG Vice Chairman

**Washington
Metropolitan Area
Transit Authority**

600 Fifth Street, NW
Washington, D.C. 20001
202/962-1234

By Metrorail:
Judiciary Square-Red Line
Gallery Place-Chinatown
Red, Green and
Yellow Lines

A District of Columbia
Maryland and Virginia
Transit Partnership



AGENDA ITEM #4

UNITED WAY OF THE NATIONAL CAPITAL AREA

(NOTE: NO ATTACHMENTS)



AGENDA ITEM #5

AMENDMENTS TO AGENDA

(NOTE: NO ATTACHMENTS)



AGENDA ITEM #6

APPROVAL OF MINUTES OF MARCH 12, 2014

**METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS
777 North Capitol Street, NE
Washington, D.C. 20002**

**MINUTES
Board of Directors Meeting
COG Board Room
March 12, 2014**

**BOARD MEMBERS, ALTERNATES, AND OTHER PARTICIPANTS
PRESENT AND NOT PRESENT:**

See attached chart for attendance.

STAFF:

Chuck Bean, Executive Director
Sharon Pandak, General Counsel
Monica Beyrouti, Member Services Associate/Clerk to the Board

GUESTS:

Rosalynn Hughey, DC Office of Planning
Stephen Fuller, Center for Regional Analysis, George Mason University

1. CALL TO ORDER AND PLEDGE OF ALLEGIANCE

Chair Mendelson called the meeting to order at 12:10PM and led those present in the Pledge of Allegiance.

2. ANNOUNCEMENTS

- A. New Board Members**
- B. Annual Retreat Date – July 25-27**

3. EXECUTIVE DIRECTOR'S REPORT

Executive Director Chuck Bean briefed the Board on various events taking place throughout COG over the last month, including a follow up to the WMATA presentation at the February Board of Directors' meeting. Mr. Bean reviewed the previous COG resolutions regarding WMATA and transportation funding, and brought attention to the thank you letter the Board received from WMATA General Manager Richard Sarles. Mr. Bean highlighted the current status of the search and selection process for the COG Director of Transportation Planning. Mr. Bean announced the March Heart of COG employee, Julie Karceski, of the Department of Environmental Programs, and described her work in water security and her recent deployment to West Virginia.

4. AMENDMENTS TO AGENDA

There were no amendments to the agenda.

5. APPROVAL OF MINUTES

The minutes of the February 12, 2014 Board Meeting were approved.

6. ADOPTION OF CONSENT AGENDA ITEMS

A. RESOLUTION AUTHORIZING COG TO ACCEPT AND EXPEND GRANT FUNDS FROM THE NATIONAL FISH AND WILDLIFE FOUNDATION TO SUPPORT IMPLEMENTATION OF REAL-TIME CONTROL AND DECISION MAKING SMART, INTEGRATED STORMWATER MANAGEMENT SYSTEMS (SISMS)

The Board adopted Resolution R24-2014, authorizing the Executive Director, or his designee, to receive and expend \$250,000 from the National Fish and Wildlife Foundation (NFWF) for the purpose of implementing SISMS technology across the Anacostia Watershed. The grant continues through June 2016. This will expand upon an existing successful partnership between COG, the Anacostia Watershed Restoration Partnership, NFWF and the Maryland Department of Natural Resources to manage stormwater, a major factor in Anacostia River's water quality. The Maryland Department of Natural Resources is expected to provide \$2,750,000 in matching funds, for a project total budget of \$3,000,000. **No COG matching funds are required.**

B. RESOLUTION AUTHORIZING THE EXECUTIVE DIRECTOR TO ENTER INTO A CONTRACT THROUGH JUNE, 2016, WITH GREEHAN, TAVES, PANDAK & STONER, PLLC. FOR LEGAL SERVICE SUPPORT

The Board adopted Resolution R25-2014, authorizing the Executive Director, or his designee, to enter into a contract with Greehan, Taves, Pandak & Stoner, PLLC., for ongoing legal services for the period April 1, 2014 through June 30, 2016. This contract replaces the existing agreement, reflecting an evaluation of COG's legal services requirements over the past four contract years, as well as an assessment of COG's future legal services needs, including individual project support, particularly in the area of homeland security. The retainer fee will be \$15,000 per month plus expenses for April – June, 2014, \$16,000 per month plus expenses beginning July, 2014 through June, 2016, and will include additional services covered under the time and materials section of the contract. Funding for this contract is provided through COG's indirect cost allocation plan, the member services program in COG's adopted work program and budget, and reimbursement under individual project agreements.

ACTION: The Board adopted Resolution R24-2014 and Resolution R25-2014.

7. OVERVIEW OF REGIONAL INFRASTRUCTURE AND PLAN FOR 2014

As a priority of the 2014 COG Board of Directors, Mr. Bean and Mr. Stuart Freudberg outlined the infrastructure topic areas to be discussed at upcoming meetings throughout 2014. The Board provided feedback on the proposed topics.

ACTION: The Board received the briefing.

8. APPROVAL OF THE DRAFT ROUND 8.3 COOPERATIVE FORECASTS

COG established the Cooperative Forecasting program in 1975 to enable local, regional and federal agencies to coordinate planning using common assumptions about future growth and development. Ms. Rosalynn Hughey, Acting Director of the DC Office of Planning and Chairwoman of the Planning Directors Technical Advisory Committee, presented the draft Round 8.3 Forecasts for use by the National Capital Region Transportation Planning Board (TPB) in the Air Quality Conformity Analysis of the 2014 financially Constrained Long Range Transportation Plan (CLRP) and the FY2015-2020 Transportation Improvement Program (TIP).

ACTION: The Board adopted Resolution R26-2014, approving the Round 8.3 Cooperative Forecasts.

9. THE WASHINGTON METROPOLITAN AREA'S FUTURE ECONOMY, CHANGING WORKFORCE AND HOUSING REQUIREMENTS

Dr. Stephen Fuller, Director of the Center for Regional Analysis at George Mason University presented the results of new research indicating that the region will face emerging challenges in workforce and housing needs. Dr. Fuller reviewed "*The Washington Metropolitan Area's Future Economy, Changing Workforce and Housing Requirements: Regional Opportunities and Challenges*" report, and opened the floor for questions and discussion.

ACTION: The Board adopted Resolution R27-2014, accepting the presented report and directing COG staff to work with community partners to develop other tools and strategies to increase affordable workforce housing.

10. ENDORSEMENT OF OFFICE OF NATIONAL CAPITAL REGION COORDINATION REORGANIZATION PLAN

Over the past two months, an extensive consultation process led by the Acting Director of ONCRC has taken place with key stakeholders, including COG's Emergency Managers Committee, CAO Homeland Security Executive Committee, Emergency Preparedness Council and Senior Policy Group (State Homeland Security Advisors and Emergency Management Directors). Mr. Bean noted the critical role and importance of the ONCRC, and Mr. Freudberg highlighted the key elements of the reorganization plan designed to revitalize the ONCRC and enhance its communication and coordination functions. The ONCRC will be housed in Washington D.C., under the FEMA Administrator, with a 24/7 Watch Desk co-located at the District of Columbia Homeland Security Emergency Management Agency.

ACTION: The Board adopted Resolution R28-2014, approving a letter from the Board of Directors supporting the Office of National Capital Region Coordination Reorganization Plan.

11. OVERVIEW OF STRATEGIES AND CHALLENGES TO ENDING HOMELESSNESS IN OUR REGION

COG staff, Ms. Hilary Chapman, reviewed the findings from the report, "*Ending Homelessness Together: A Summary of 10 Year Plans to End Homelessness in the Washington Metropolitan Region*". The report provided a regional assessment of long-term efforts to end chronic homelessness through a scan of local 10 Year Plans to End Homelessness, and highlighted common strategies and challenges to ending homelessness in the region. After the presentation the Board engaged in discussion, and requested additional information on this effort in the future.

ACTION: The Board adopted Resolution R29-2014, approving the report "*Ending Homelessness Together: A Summary of 10 Year Plans to End Homelessness in the Washington Metropolitan Region*".

12. OTHER BUSINESS

There was no other business.

13. ADJOURNMENT

Upon motion duly made and seconded, the meeting was adjourned at 1:54PM. The next meeting is April 9, 2014.

BOARD OF DIRECTORS – March 2014

<u>Jurisdiction</u>	<u>Member</u>	<u>Y/N</u>	<u>Alternate</u>	<u>Y/N</u>
<i>District of Columbia</i>				
Executive	Hon. Vincent Gray		Christopher Murphy	
	Mr. Allen Lew	Y	Warren Graves	
Council	Hon. Phil Mendelson (Chair)	Y		
	Hon. Kenyan R. McDuffie			
<i>Maryland</i>				
Bowie	Hon. G. Frederick Robinson		Hon. Dennis Brady	Y
Charles County	Hon. Reuben Collins	Y CC	Hon. Ken Robinson Hon. Debra Davis	
City of Frederick	Hon. Randy McClement			
Frederick County	Hon. David Gray		Hon. Blaine Young	
College Park	Hon. Andrew Fellows	Y	Hon. Denise Mitchell	
Gaithersburg	Hon. Sidney Katz		Hon. Cathy Drzyzgula	
Greenbelt	Hon. Emmett Jordan	Y	Hon. Judith "J" Davis	
Montgomery County				
Executive	Hon. Isiah Leggett		Mr. Tim Firestine	
Council	Hon. Roger Berliner (Vice Chair)	Y		
	Hon. Nancy Navarro	Y		
Prince George's County				
Executive	Hon. Rushern Baker		Mr. Bradford Seamon	
Council	Hon. Karen Toles	Y		
	Hon. Andrea Harrison			
Rockville	Hon. Bridget Newton		Emad Elshafei	
Takoma Park	Hon. Bruce Williams	Y	Hon. Terry Seamens	
Maryland General Assembly				
<i>Virginia</i>				
Alexandria	Hon. William Euille (Vice Chair)		Hon. Redella Pepper	
Arlington County	Hon. Walter Tejada	Y	Hon. Jay Fissette	
City of Fairfax	Hon. Dan Drummond		Hon. Jeffrey Greenfield	
Fairfax County	Hon. Sharon Bulova	Y	Hon. Catherine Hudgins	
	Hon. Penelope A. Gross	Y	Hon. Patrick Herrity	
	Hon. John Foust		Hon. Michael Frey	
Falls Church	Hon. David Tarter		Hon. David Snyder	Y
Loudoun County	Hon. Matt Letourneau	Y		
Loudoun County	Hon. Scott York	Y	Hon. Shawn Williams	
Manassas	Hon. Jonathan Way	Y		
Manassas Park	Hon. Suhas Naddoni		Hon. Frank Jones	
Prince William County	Hon. Frank Principi		Pete Candland	
	Hon. Wally Covington	Y		
Virginia General Assembly				

Total: 18



AGENDA ITEM #7

ADOPTION OF CONSENT AGENDA ITEMS

METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS
777 North Capitol Street, N.E.
Washington, D.C. 20002

RESOLUTION AUTHORIZING COG TO FILE A PLANNING GRANT APPLICATION AND EXECUTE A GRANT CONTRACT WITH THE FEDERAL AVIATION ADMINISTRATION FOR PHASE 29 OF THE CONTINUOUS AIRPORT SYSTEM PLANNING PROGRAM

WHEREAS, the Aviation Investment and Reform Act for the 21st Century includes a provision that makes the District of Columbia eligible to receive and disburse to the Metropolitan Washington Council of Governments (COG) Airport Improvement Program (AIP) Apportionment funds; and

WHEREAS, COG received funding for the first time from AIP apportionments for the CASP 19 grant; and

WHEREAS, COG is recognized by FAA as the air systems planning agency for the metropolitan Washington region; and

WHEREAS, the FAA administers a program that provides funds for continuing air transportation systems planning in large metropolitan regions; and

WHEREAS, COG is involved in a continuing planning process for addressing the issues concerning the future development and impact of the region's major commercial airports, military fields, and general aviation facilities, as they relate to metropolitan and local community development goals and policies; and

WHEREAS, the growth of commercial aviation activity in the Washington-Baltimore region, particularly at Baltimore/Washington International and Washington Dulles International Airports, requires that long-term planning proceed to best accommodate that growth; and

WHEREAS, the FAA has funded 28 separate phases of this continuing planning effort and has indicated its willingness to fund a Phase 29 grant application.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS THAT:

1. The Executive Director, or his designee, is authorized to submit a planning grant application and execute a grant contract with the Federal Aviation Administration to conduct Phase 29 of a multi-year program for Continuous Airport System Planning for the National Capital Region, in an amount not to exceed \$311,850. The FAA will provide funds for 90%, \$283,500, of the project total.

2. The Executive Director, or his designee, is further authorized to competitively procure and enter into contracts with qualified firms to provide specialized support in performance of the FAA grant requirements. A 10% COG match of \$28,350 from budgeted local funds is required.

**METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS
777 NORTH CAPITOL STREET, NE
WASHINGTON, DC 20002-4239**

RESOLUTION AUTHORIZING COG TO RECEIVE A GRANT AND ENTER INTO A CONTRACT TO DEVELOP AND CONDUCT AN EXERCISE PROGRAM FOR THE WASHINGTON METROPOLITAN TRANSIT AUTHORITY (WMATA)

WHEREAS, the Metropolitan Washington Council of Governments (COG) serves as the Secretariat for the Urban Area Security Initiative (UASI) for the National Capital Region (NCR); and

WHEREAS, COG has been requested by the Washington Metropolitan Transit Authority (WMATA) to enter into a contract to develop and conduct an exercise program; and

WHEREAS, the exercise program will include three multi-jurisdictional exercises and one transportation leadership seminar focusing on the loss of all WMATA service modes based on a terrorism scenario, regional evacuation support within the NCR, and the development of an After Action Report for each of the exercises; and

WHEREAS, funding for the contract to develop and conduct WMATA exercise program will be provided to COG by the State Administrative Agent for the NCR.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS THAT:

The Executive Director, or his designee, is authorized to receive and expend up to \$325,925 to fund the development and conduct of a WMATA exercise program. Funding for this effort will be provided through a Subgrant from the State Administrative Agent (SAA). No COG matching funds are required.

**METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS
777 NORTH CAPITOL STREET, NE
WASHINGTON, DC 20002-4239**

**RESOLUTION AUTHORIZING COG TO ISSUE A CONTRACT TO DEVELOP, CONDUCT AND DOCUMENT A MASS
FATALITY WORKSHOP**

WHEREAS, the Metropolitan Washington Council of Governments (COG) serves as the Secretariat for the Urban Area Security Initiative for the National Capital Region (NCR); and

WHEREAS, COG has been requested by the Health and Medical Regional Program Working Group/Regional Emergency Support Function No. 8 to issue a contract to develop, conduct and document a Mass Fatality Workshop; and

WHEREAS, the exercise will create an understanding among officials from NCR jurisdictions as to the challenges that may delay or negatively impact response and/or recovery to any incident that produces mass fatalities; and

WHEREAS, funding for the contract to develop and conduct the training and exercise has been provided to COG by the State Administrative Agent for the NCR.

**NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE METROPOLITAN
WASHINGTON COUNCIL OF GOVERNMENTS THAT:**

The Executive Director, or his designee, is authorized to receive and expend up to \$70,000 to develop, conduct and document a Mass Fatality Workshop. Funding for this effort will be provided through a Subgrant from the State Administrative Agent (SAA). No COG matching funds are required.

**METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS
777 NORTH CAPITOL STREET, NE
WASHINGTON, DC 20002-4239**

**RESOLUTION AUTHORIZING COG TO ENTER INTO A CONTRACT TO DESIGN, DEVELOP AND CONDUCT A
HURRICANE EXERCISE SERIES FOR THE DISTRICT OF COLUMBIA**

WHEREAS, the Metropolitan Washington Council of Governments (COG) serves as the Secretariat for the Urban Area Security Initiative (UASI) for the National Capital Region; and

WHEREAS, COG has been requested by the District of Columbia Homeland Security and Emergency Management Agency (HSEMA) to enter into a contract to design, develop and conduct a hurricane exercise series for the District of Columbia; and

WHEREAS, the hurricane exercise series will enhance general preparedness and will be used to validate several District of Columbia plans and procedures to include the Flood Plan, Field Operations Guide, State Operations Guide, the District Response Plan, and several standard operating procedures; and

WHEREAS, the hurricane exercise series will improve the District of Columbia's preparedness to respond to a hurricane similar to Hurricane Sandy that impacted New York and New Jersey in 2012; and

WHEREAS, funding for the contract to design, develop and conduct a hurricane exercise series for the District of Columbia will be provided to COG by the State Administrative Agent for the National Capital Region.

**NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE METROPOLITAN
WASHINGTON COUNCIL OF GOVERNMENTS THAT:**

The Executive Director, or his designee, is authorized to receive and expend up to \$220,000 to design, develop and conduct a hurricane exercise series for the District of Columbia. Funding for this effort will be provided through a Subgrant from the State Administrative Agent (SAA). No COG matching funds are required.

**METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS
777 NORTH CAPITOL STREET, NE
WASHINGTON, DC 20002**

**RESOLUTION AUTHORIZING COG TO ENTER INTO A MEMORANDUM OF UNDERSTANDING (MOU)
WITH THE DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY (DC WATER) FOR WATER QUALITY
ANALYSIS AND RELATED CONTRACTOR SERVICES**

WHEREAS, DC Water is currently implementing a Long Term Control Plan (LTCP) to mitigate combined sewer overflows into Rock Creek and the Potomac and Anacostia Rivers;

WHEREAS, DC Water has requested the assistance of the Metropolitan Washington Council of Governments (COG) in procuring water sampling and related services that will help to determine the effectiveness of LTCP measures taken to-date;

WHEREAS, DC Water will fund the full amount of the procured services as well as pay COG an administrative fee for conducting the procurement and administration of the resulting contract;

WHEREAS, COG desires to continue to assist DC Water in this regard because of the regional benefits of the wastewater treatment provided by DC Water facilities; and

WHEREAS, COG intends to procure a contractor with suitable technical expertise to conduct this work.

**NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF
THE METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS THAT:**

1. The Executive Director, or his designee, is authorized to enter into a MOU with DC Water to provide water sampling and related services that will help to determine the effectiveness of LTCP measures taken to-date. The MOU shall require DC Water to pay the full costs of the services to be procured as well as an administrative fee to COG for its services and expenses (a total amount not to exceed \$950,000).

2. The Executive Director, or his designee, is also authorized to issue a RFP to identify contractors for this work and to enter into a contract with the successful respondent, in an amount not to exceed \$900,000. No COG matching funds will be required.

**METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS
777 NORTH CAPITOL STREET, NE
WASHINGTON, DC 20002-4239**

RESOLUTION AUTHORIZING COG TO ENTER INTO A CONTRACT TO DEVELOP A DISTRICT ALL HAZARDS INCIDENT MANAGEMENT TEAM (IMT) CERTIFICATION AND CREDENTIALING PROGRAM

WHEREAS, the Metropolitan Washington Council of Governments (COG) serves as the Secretariat for the Urban Area Security Initiative (UASI) for the National Capital Region; and

WHEREAS, COG has been requested by the District of Columbia Homeland Security and Emergency Management Agency (HSEMA) to issue a contract to develop a District All Hazards Incident Management Team (IMT) Certification and Credentialing Program; and

WHEREAS, the District All Hazards Incident Management Team (IMT) Certification and Credentialing Program will establish a more systematic, cohesive incident management and coordination structure of the existing IMTs to effectively provide resources to emergency situations resulting from acts of terrorism, natural or manmade events; and

WHEREAS, funding for the contract to develop a District All Hazards Incident Management Team (IMT) Certification and Credentialing Program has been provided to COG by the State Administrative Agent for the National Capital Region.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS THAT:

The Executive Director, or his designee, is authorized to receive and expend up to \$186,900 for the development of a District of Columbia All Hazards Incident Management Team (IMT) Certification and Credentialing Program. Funding for this effort will be provided through a Subgrant from the State Administrative Agent (SAA). No COG matching funds are required.

METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS

777 North Capitol Street, N.E.

Washington, D.C. 20002-4239

RESOLUTION AUTHORIZING COG TO ISSUE A CONTRACT FOR STREAM RESTORATION MONITORING FOR SPRINGHOUSE AND NASH RUN SUBMISSION TO THE DISTRICT OF COLUMBIA DEPARTMENT OF THE ENVIRONMENT

WHEREAS, the Metropolitan Washington Council of Governments is both a nationally recognized watershed restoration and stream macro-invertebrate and physical aquatic habitat and water quality monitoring expert and has provided coordination, management and technical support for the Anacostia restoration effort since 1987; and

WHEREAS, COG has a continuing interest in the restoration, management and protection of the Anacostia River and its tributaries; and

WHEREAS, since 1988, COG has surveyed major portions of the Anacostia tributary system, helped develop over 500 stormwater management, stream restoration, wetland creation and riparian reforestation projects in the watershed, and has worked with its many partners to increase citizen participation in the restoration efforts; and

WHEREAS, at its June 14, 2006 meeting the COG Board of Directors adopted Resolution R28-06 which established a new Anacostia governance structure for the restoration of the Anacostia watershed, including the formation of a new Anacostia Watershed Steering Committee (AWSC); and

WHEREAS, the District of Columbia has a vested interest in the restoration of the Anacostia River and the Springhouse and Nash Run tributaries, and is an active voting member of the AWSC and Anacostia Watershed Management Committee (AWMC); and;

WHEREAS, over the past several years, COG has worked cooperatively with the District Department of the Environment to monitor various streams, and the Department desires to make \$60,000 available to continue the Springhouse and Nash Run project.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS THAT:

The Executive Director, or his designee, is authorized to receive and expend up to \$60,000 from the District of Columbia Department of the Environment, Watershed Protection Division, for the Stream Restoration Monitoring for the Springhouse and Nash Run project to perform water quality, flow, macro-invertebrate and fish sampling for evaluating pre- and post-stream restoration project success in the Springhouse and Nash Run watersheds, and prepare a final report summarizing results and recommendations from the monitoring effort. The project duration will be 2-years from contract execution. COG matching funds of \$10,000 from budgeted and planned COG urban watershed program funds (\$5,000 per year for the FY15-16 period) will be provided.



AGENDA ITEM #8

OVERVIEW OF THE NATIONAL CAPITAL REGION'S WATER INFRASTRUCTURE



Regional Infrastructure: Water

April 9, 2014



Overview



Infrastructure plays a critical role in helping us meet our *Region Forward* goals

Critical Water Infrastructure

- Drinking water
- Wastewater & Combined Sewer Overflow
- Stormwater



Regional Infrastructure



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Overview

Purpose of water infrastructure

- Provides water supplies needed by our people and our economy
- Protects the public health
- Protects and restores the quality of our rivers, streams and lakes



Regional Infrastructure





3

Wastewater



- 16 collection systems
 - Est. 16,000 miles of pipes
- 19 major wastewater plants
 - 777 million gallons per day (MGD)
- Mix of local governments, authorities, & the federal government
- Over \$1 billion in capital program costs (in 2013)

COG Region WWTPs - Major Plants (>= 2.0 MGD)





Legend

- Major WWTPS

Regional Infrastructure

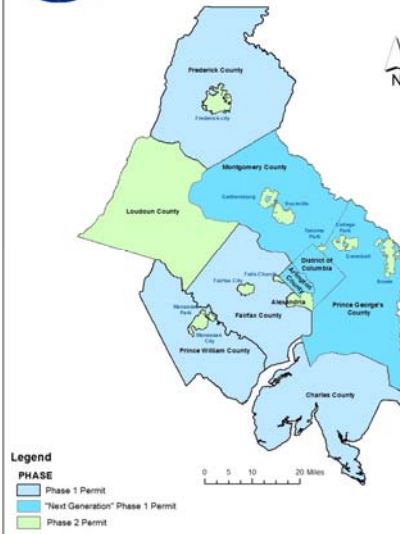



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Stormwater

- 22 local stormwater management programs
 - Phase I - Larger population municipalities/greater requirements
 - Phase II – Generally smaller population municipalities/less stringent requirements
- Estimated \$10 to 15 Billion costs to meet stormwater requirements

MS4 Permit Status of COG's Member Jurisdictions



Drinking Water




- What are the primary end uses of water?
 - Drinking water
 - Sanitation
 - Firefighting
 - Agriculture (limited in NCR)
 - Industry
 - Losses
- What are the primary sources of water?
 - Surface Waters
 - Groundwater




Drinking Water

- Metropolitan Washington Drinking Water at a Glance
 - Average daily water production about 370 million gallons per day (MGD).
 - More than 14,500 miles of water mains.
 - About 114,000 fire hydrants.
 - Over 1,000,000 metered accounts.
 - More than 5,250,000 people served.

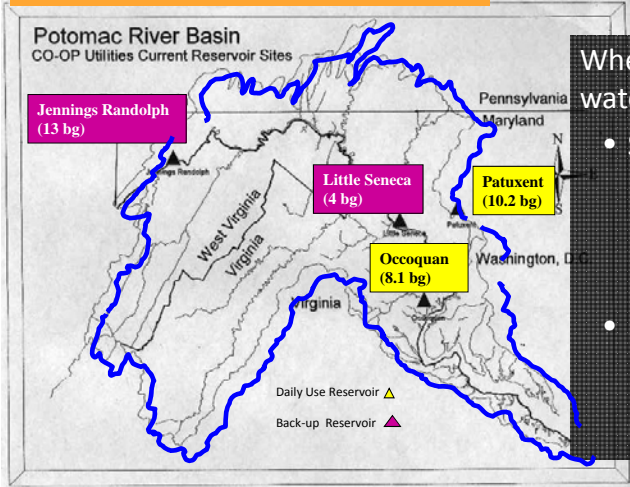


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Surface Drinking Water Sources



Potomac River Basin
CO-OP Utilities Current Reservoir Sites

Jennings Randolph (13 bg)

Little Seneca (4 bg)

Patuxent (10.2 bg)


Occoquan (8.1 bg)

Daily Use Reservoir ▲


Back-up Reservoir ▲

Where do we get our water from?

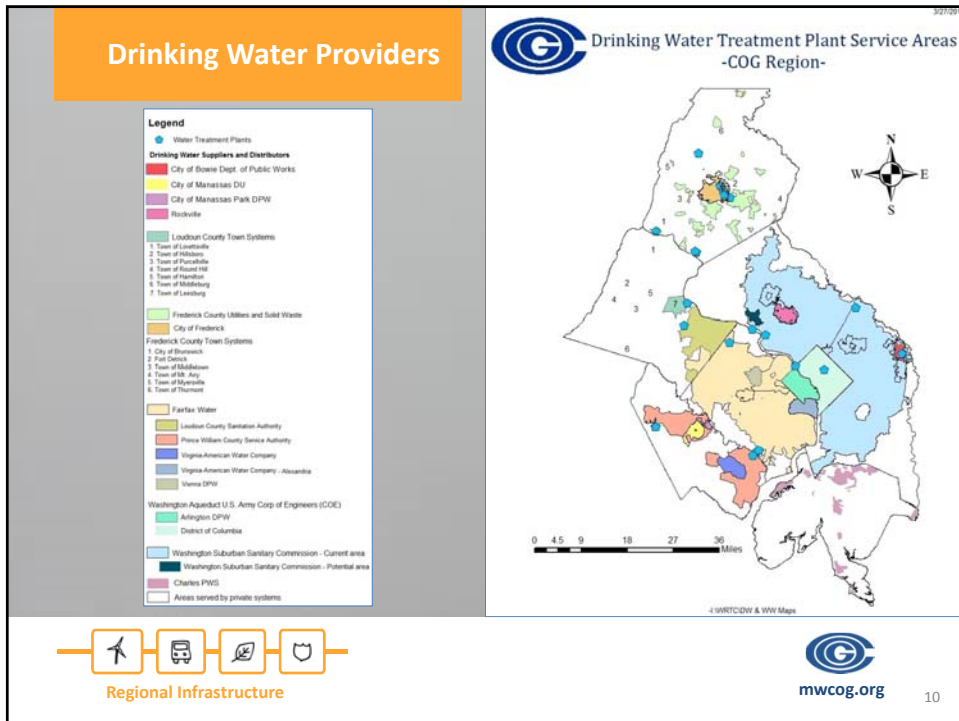
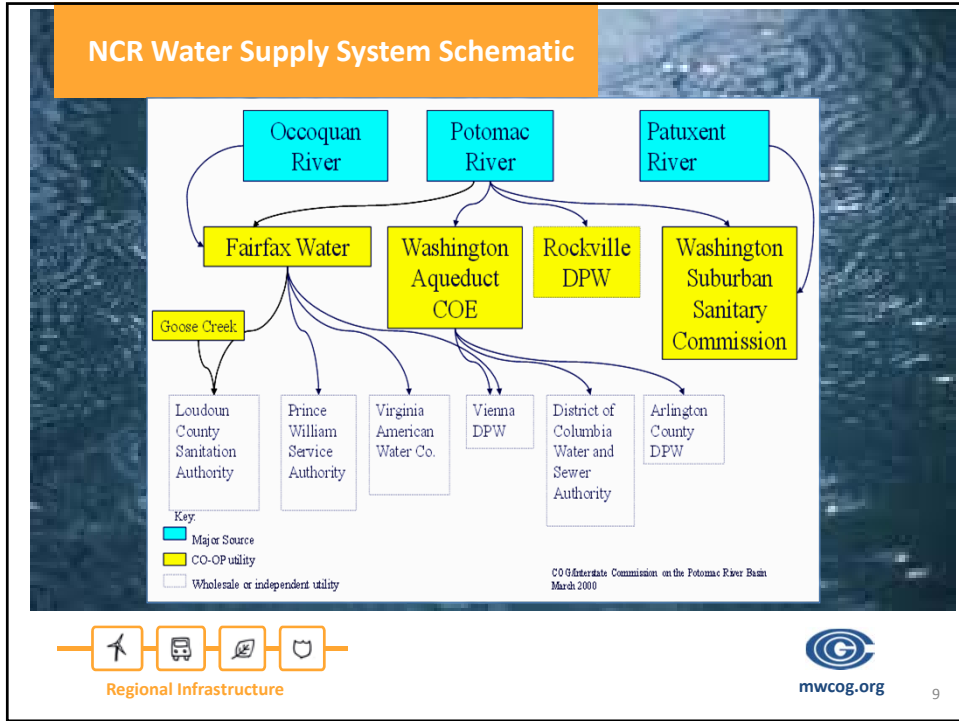
- Surface water
 - 4.5 Million people in our region rely on the Potomac River for drinking water
- Reservoirs
 - Two for daily use
 - Two for backup



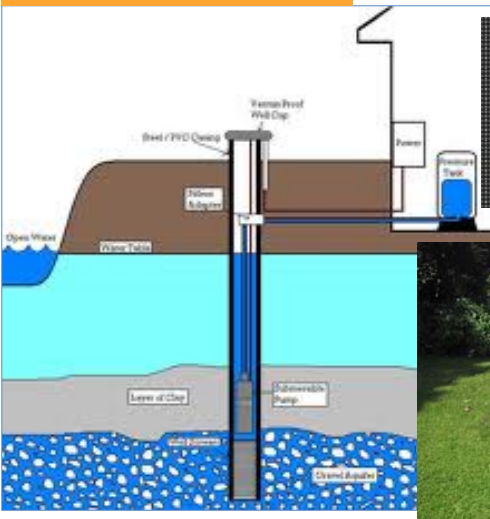
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Groundwater Sources




Other Supplies

- Groundwater wells
 - Community systems
 - Individual users





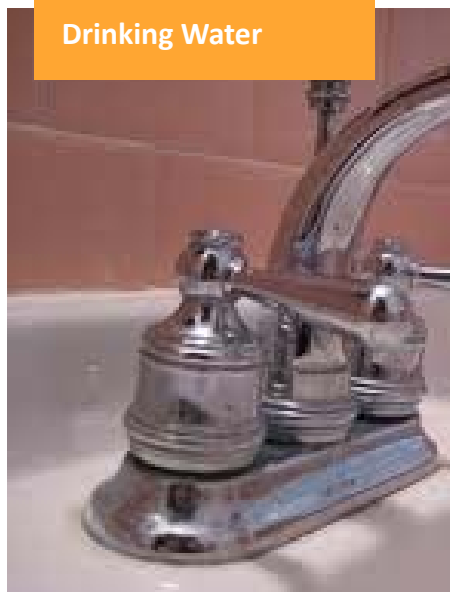
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Drinking Water



- Who controls / regulates
 - Supply
 - Regional Water Supply Coordination Agreement (1982)
 - Technical assistance from ICPRB
 - Quality
 - U.S. Environmental Protection Agency
 - Maryland Department of the Environment
 - Virginia Department of Health
- Water reuse & reclamation



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Drinking Water

- System Value
 - Capital investment – about \$1.5B per year
 - Operation and Maintenance budget – about \$1.3B per year



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Regional Water Security

- What are the threats?
 - Drought
 - Petroleum pipelines and storage facilities
 - Accidental spills
 - Combined Animal Feeding Operations
- Most potential threats are outside of the region



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Regional Water Security



- How are we prepared?
 - Regional Drinking Water Monitoring Network
 - Exercises and Training
 - Regional Water Supply Emergency Plan
 - Source Water Assessments
 - Mutual Aid - NCRWARN

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Challenges & Opportunities



- Aging Infrastructure
- Reducing Demand, Rate Design & Revenues
- Future Water Supply Needs
 - New Infrastructure
 - Expanding system
 - Additional reservoir/storage
- Conservation
- Asset Management

Regional Infrastructure



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Challenges & Opportunities

- Drinking Water Quality
 - Meeting Federal Standards
 - Bottled Water
- Unregulated Contaminants
 - Chemicals
 - Endocrine Disrupting Compounds
- Intentional and Accidental Contamination

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Issues & Best Practices

- Water infrastructure and land use
 - Local Land use
 - Limits to growth
 - System expansion
 - Source water protection

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Issues & Best Practices

- Workforce
- Interdependencies
 - Energy & water
 - Development; Dig once
- Communications, outreach & messaging




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COG Support Activities

- Drinking Water
 - Drought plan, source water protection, supply/demand planning, & water conservation
- Wastewater
 - Regional water quality assessments, coordination on wastewater issue, & Blue Plains coordination support
- Stormwater
 - Permitting & regulatory coordination, & watershed restoration)



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**Municipal Separate Storm Sewer System (MS4)
Permit Litigation in Maryland
Briefing
Prepared by COG Staff – April 2, 2014**

Summary

A coalition of environmental groups and individuals sued the Maryland Department of the Environment (MDE) in 2009 over the details of the MS4 (Municipal Separate Storm Sewer System) permit that the state proposed for Montgomery County (i.e., *Anacostia Riverkeepers et al v. Maryland Department of the Environment et al and Montgomery County, Md.*). The permit was issued in 2010 and the county subsequently entered an appearance in support of the state's position. The Montgomery County Circuit Court ruled on December 4, 2013, that the permit violates the Clean Water Act. The outcome of this case will set precedent for Maryland, and if upheld, could become a model to challenge permits in the District of Columbia and Virginia.

Stormwater Permits

MS4 permits require local governments to reduce the volume of pollutants discharged from their municipal stormwater conveyance systems. All COG member governments have either individual Phase I MS4 permits (issued to the larger counties and cities) or Phase II general permits (issued to smaller counties or cities). In most cases, the permits have been in place since the early 1990s and are updated on five-year cycles. MS4 permits require consistency with applicable Total Maximum Daily Loads, or TMDLs. TMDLs set budgets for the reduction of pollutants in surface waters that fail to meet water quality standards. They include the Chesapeake Bay TMDL, which sets limits on the amounts of nitrogen, phosphorus and sediment that negatively affect the Bay, as well as more localized TMDLs on segments of streams, rivers and lakes in the region.

Litigation

In ruling for the plaintiffs in *Anacostia Riverkeepers et al*, Montgomery County Circuit Court Judge Ronald Rubin found that the permit must include "specific, enforceable standards, benchmarks, and deadlines for meeting applicable requirements" and "that the permit's requirement to restore 20% of impervious surface is simply too general to show how the permittees will meet water quality standards."

MDE and the county have appealed the ruling to the state's Court of Special Appeals. Since the December decision, challenges have been filed on similar grounds to the new MS4 permits that the state has recently issued to Baltimore City and Prince George's, Baltimore and Anne Arundel counties.

The key issue in the case is how to address compliance with water quality standards in stormwater permits. This has been the subject of litigation for decades. In general, EPA and the state regulatory agencies have relied on a "maximum extent practicable" criterion rather than a strictly numeric limit. Permittees have been able to comply by showing progress in implementing best management practices and other controls that reduce pollution, even if the exact extent of these reductions is not fully measured. The plaintiffs have taken the position that stormwater permits must require strict compliance with all applicable water quality standards, as they are reflected in TMDL pollution budgets. Such numeric compliance limits are typically found in municipal wastewater permits but not in stormwater permits, in part because of the difficulty in characterizing and controlling the diffuse and episodic nature of stormwater runoff.



Drinking Water: Elk River Chemical Spill

Metropolitan Washington Council of Governments Board

April 9, 2014

Prepared by: MWCOG

Stuart Freudberg, Senior Director
Environment, Public Safety and Health

Steve Bieber, Chief
Urban Watershed Programs and Homeland Security

Julie Karceski, Environmental Engineer

Aqua Vitae

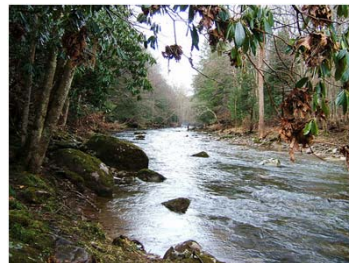
Lisa Ragain, Principal



What Happened

January 9, 2014

- 11,000 gallons of 4-methylcyclohexane methanol (MCHM) leaked into the Elk River near Charleston, WV
- West Virginia American Water (WVAW) issued a “Do Not Use” Notice at 6 p.m.
- Over 300,000 people in nine counties are affected
- CDC begins developing a MCHM safety level. It is not regulated and has very limited health and safety data



2



Response Actions

January 10, 2014

- President Obama issues an Emergency Declaration
- National Guard Civil Support Teams (CST) deployed
- National Guard begins bottled water delivery from Maryland FEMA facility
- County EMAs immediately stand-up water distribution centers



3



Response Actions

January 9-13, 2014

- Public and private sector labs rapidly developed methods to monitor MCHM.
 - The D.C. National Guard CST unit leads the laboratory response.
- CDC recommends 1.0 ppm MCHM as acceptable level
 - Estimated 0.1 ppm odor threshold.
- Interagency testing teams established
- Distribution system flushing started
 - Zones with hospitals had priority

January 10 - 22, 2014

- Schools closed; Reopened with bottled water



January 18, 2014

- “Do Not Use” notice is lifted

January 31, 2014

- FEMA ends federal declaration

February 28, 2014

- Gov. Tomblin ends WV declaration

4



County & City Roles and Responsibilities

- EMS & Public Safety
- Water and supply distribution
- Recycling bottles & pallets
- Vulnerable Populations
- Daycares
- County Health Dept.
 - Inspections, testing
 - Patient monitoring

Estimated Costs

- Business losses
 - \$61 million (Feb. 13)
 - \$19 million/day
- State
 - \$3 million: excludes schools and county EMS (Feb. 3)
 - \$300,000 bottled water
 - \$730,000 household tests, WV TAP Pilot Study
- Hospital
 - \$ 2 million (Feb.19)
- County Health Dept.
 - \$750,000 for 1 yr. study (Feb. 21)
- Volunteer Organizations
 - \$666,500 donations & services (Feb 13)

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COG Actions

- Regional water utilities met Jan. 6 to plan around water outages based on the WSSC July, 2014 event. The Elk river spill occurred Jan. 9.
- COG response
 - Developing regional messages and talking points
 - Daily updates distributed to Water Security Group and CEC

COG team to WV

- Based on significance to the NCR water sector and the region as a whole
- Team objectives:
 - First hand observation
 - Technical, monitoring, sampling
 - Jurisdiction/agency coordination & communication

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Could this happen in the NCR?



Colonial Pipeline Rupture

Source Water Assessments

- Less industrial activity
- Threats predominantly upstream
 - Colonial Pipeline
 - Transportation spills
 - Combined animal feeding operations (CAFOs)
 - Coal ash
 - Upstream sewage spills
 - Unknown contaminants

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WV Lessons Learned

- Agency roles & responsibilities
- Communication & Coordination
- Water & supply distribution
- Monitoring & sampling
- Source Water Protection
- Plan for unknown events, uncertain health effects

MWCOG Follow up

- EMS & Water System roundtable
- Review water system & related ESF ERPs
- Regional water messaging
- Health sector meeting
- Mutual aid expansion
- Evaluate monitoring
- Water messaging and communication tools
- Contaminant Warning Protocol implementation
- Update WSEP & CAO Primer

12





AGENDA ITEM #9

SUPPORTING INCLUSION OF GREEN INFRASTRUCTURE IN THE DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY'S LONG TERM CONTROL PLAN FOR COMBINED SEWER OVERFLOW ABATEMENT



Regional Support for Green Infrastructure

Briefing for COG Board
Wednesday, April 9, 2014



What is Green Infrastructure (GI)?

- **What is it?**
 - Also known as Low Impact Development (LID)
 - Uses plants, trees & other measures to mimic natural processes to control stormwater, & promote rainwater detention/infiltration into the soil
 - Includes techniques such as rain gardens, porous pavements, green roofs & other technologies

Bioretention/ Rain Gardens
Infiltration, Filtration, Detention Storage, Evapotranspiration

Permeable Pavement
Infiltration, Filtration, Detention Storage

Cisterns/ Rain Barrels
Storage

Vegetated Swales
Filtration, Infiltration, Evapotranspiration

Native Landscaping
Infiltration, Evapotranspiration

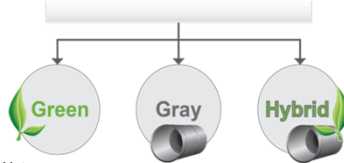
Green Roofs
Filtration, Retention Storage, Evapotranspiration

Slide & pictures courtesy of DC Water

Green Infrastructure

- **Why do we need to consider Green Infrastructure?**

- Achieving water quality objectives benefits everyone – but takes time & is often expensive
- Need to consider a range of options to cost-effectively & sustainably address water quality Issues
- Green Infrastructure - alone, or in combination with other more traditional (gray) infrastructure needs to be an option to achieve our objectives



Graphic courtesy of DC Water

Green Infrastructure

- **What is DC Water Doing ?**

- Invested \$10 million for various Green Infrastructure projects:
 - Planted more than 5500 trees via UFA, and rain garden at Irving & North Capital St.
 - Green Roofs at Ft. Reno & Eastside Pumping Station, and bioretention at Anacostia PS
 - Funded Riversmart Washington Demonstration Project
 - GI Challenge
- Now - \$100 million proposal to modify Clean Rivers Project
 - Will incorporate green infrastructure as innovative new element of the plan to address combined sewer overflows to the Potomac River & Rock Creek

Green Infrastructure

• Why is GI Important to the Region?

- COG's Region Forward program encourages use of GI to achieve our Sustainability goals
- GI projects have potential to provide a wide range of benefits:
 - Environmental
 - Reduce stormwater runoff/result in better water quality;
 - Use trees & other plants to improve air quality, expand wildlife habitat, reduce summer temperatures, reduce energy usage, and help to offset climate change
 - Social – Improved livability and enhanced green spaces
 - Economic – Sustainable/local green jobs

Green Infrastructure

• Why is DC Water's GI Proposal Important to the Region?

- DC Water's GI proposal would provide:
 - Unique opportunity to implement/demonstrate/assess large-scale green infrastructure projects in COG region
 - Meaningful and important information to local, regional and national efforts to effectively implement such projects
- DC Water's Clean Rivers Project & new GI element have the potential to:
 - Benefit not only the waterways of the District of Columbia and the Potomac River, and
 - Provide broader regional environmental benefits

Recommendation

- Given:
 - COG's support for the use of innovative technologies to achieve environment objectives in the region; and
 - COG's Region Forward Sustainability goal
- **COG's Chesapeake Bay and Water Resources Policy Committee has considered this proposal and are recommending that the COG Board of Directors endorse it**

**METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS
777 N. CAPITOL ST., N.E.
WASHINGTON, DC 20002**

**RESOLUTION SUPPORTING INCLUSION OF GREEN INFRASTRUCTURE IN THE DISTRICT OF COLUMBIA
WATER AND SEWER AUTHORITY'S (DC WATER'S) LONG TERM CONTROL PLAN FOR COMBINED SEWER
OVERFLOW ABATEMENT**

WHEREAS, the COG Board of Directors adopted *Region Forward* in January 2010 as a guide for development in the metropolitan Washington region that encourages the use of green infrastructure as one of many tools to help the region achieve its sustainability goals; and

WHEREAS, green infrastructure, also known as Low Impact Development (LID), uses plants, trees and other measures to mimic natural processes to control stormwater, and promote rainwater detention and infiltration into the soil, and include techniques such as rain gardens, porous pavements, green roofs and other technologies; and

WHEREAS, green infrastructure projects are being implemented throughout the region and have the potential to provide a wide range of environmental, social and economic benefits, such as better water and air quality, improved livability, enhanced green spaces, expanded wildlife habitat, as well as sustainable green jobs; and

WHEREAS, the District of Columbia's Water and Sewer Authority (DC Water) is implementing a \$2.6 billion Clean Rivers Project to reduce combined sewer overflows into the Anacostia, Potomac and Rock Creek waterways; and

WHEREAS, DC Water has also released a \$100 million proposal for public comment that would modify the Clean Rivers Project to incorporate green infrastructure as an innovative new element of the plan to address combined sewer overflows to the Potomac River and Rock Creek; and

WHEREAS, the proposed green infrastructure proposal would provide a unique opportunity for the implementation, demonstration and assessment of large-scale green infrastructure projects in the COG region, as well as provide meaningful and important information to local, regional and national efforts to effectively implement such projects; and

WHEREAS, the DC Water's Clean Rivers Project and new green infrastructure element have the potential to benefit not only the waterways of the District of Columbia and the Potomac River but also to provide broader regional environmental benefits; and

WHEREAS, the COG Board of Directors has long supported the use of innovative technologies to achieve environment objectives in the region; and

WHEREAS, COG's Chesapeake Bay and Water Resources Policy Committee has considered this proposal and are recommending that the COG Board of Directors endorse it.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS THAT:

1. COG endorses inclusion of green infrastructure in DC Water's long-term control plan for combined sewer overflow abatement provided that there is assurance of it achieving the same or greater CSO reduction.
2. The Chairman of the Board shall transmit a letter and this resolution conveying COG's endorsement to the District of Columbia Water and Sewer Authority (DC Water). Copies of the letter shall be provided to the Mayors and Chairs of COG member jurisdictions and the COG Chief Administrative Officers Committee.



AGENDA ITEM #10

OTHER BUSINESS

(NOTE: NO ATTACHMENTS)



AGENDA ITEM #11

**ADJOURN – THE NEXT MEETING
IS WEDNESDAY MAY 14, 2014**