

OVERVIEW OF STORMWATER MANAGEMENT IN METROPOLITAN WASHINGTON

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Regional Stormwater Issues

- **Increasingly stringent permit requirements**
 - Maryland Phase I permits have 20 % retrofit requirement
 - Virginia permits based on meeting Bay reduction targets over 3 cycles of increasing activity (5 – 35 – 60 percent implementation)
 - New draft DC permit calls for significant increases in retrofits, other tasks
- **Meeting Bay TMDL stormwater targets**
- **Cost** – COG estimates members currently spend more than \$270 million/year on their stormwater programs
 - (See COG’s summary of regional stormwater fee and taxes)



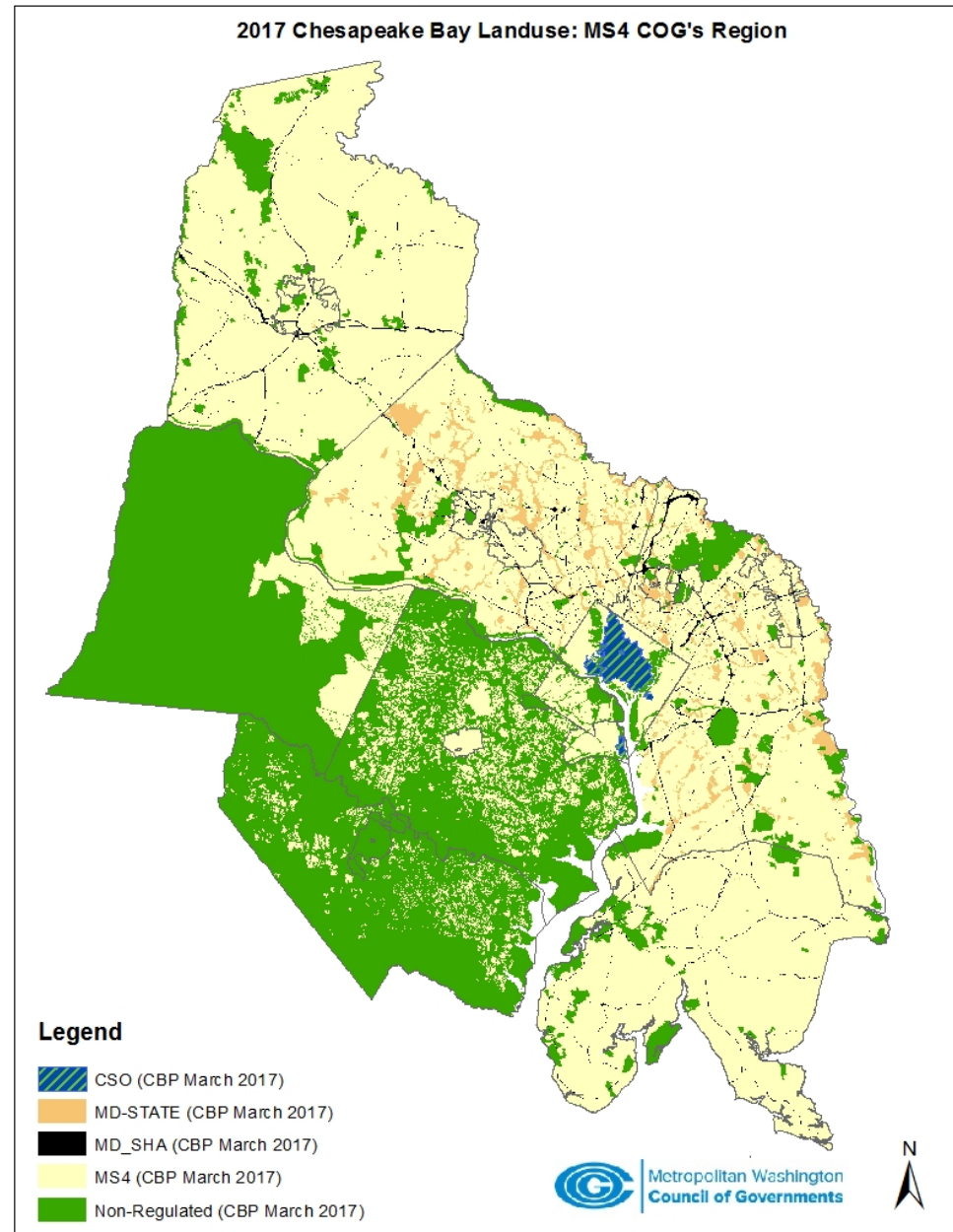
Regional Stormwater Issues (cont.)

- **Legal challenges**
 - Ex: Basis of Montgomery's then utility fee was challenged by commercial property owner
 - Ex: Environmental groups challenged Maryland's Phase I permits for not doing enough
- **Political challenges**
 - Dissatisfaction with "rain tax," affording stormwater within context of overall infrastructure funding
- **Technical challenges**
 - How well will our BMPs work over time, how will changing climate affect flooding and pollutant removal effectiveness of BMPs



Stormwater Permit Landscape

- Entire region subject to MS4 permitting requirements
 - Either Phase I or Phase II
- Differing definitions of permit area
 - How will non-regulated urban areas meet Bay TMDL goals?



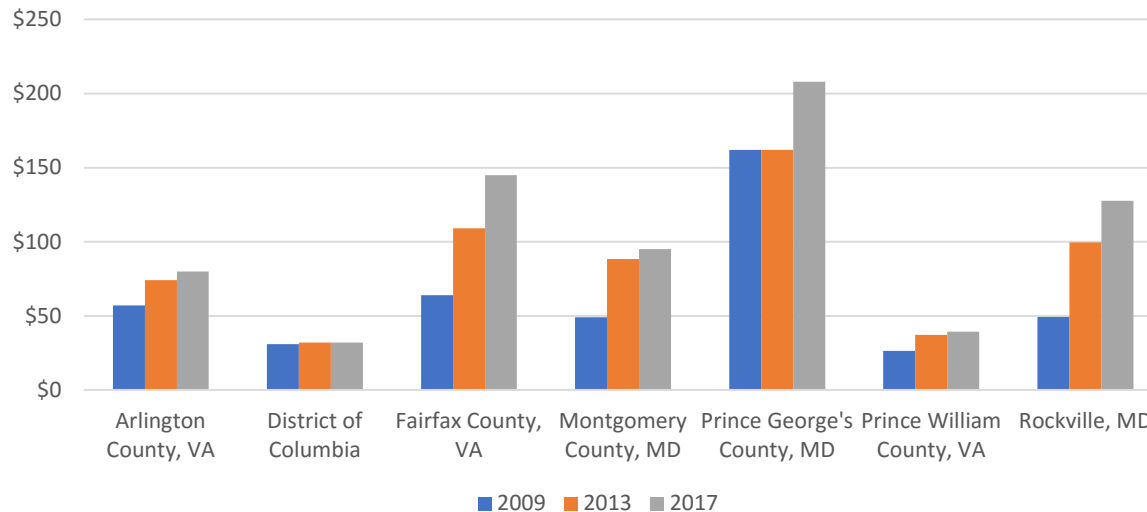
Stormwater in the Bay Program

- Bay Program calls urban Stormwater “the fastest growing source of pollution to the Chesapeake Bay.”
- Bay Program model results show urban stormwater contributes 16 percent of total nitrogen loads, 16 percent of phosphorous loads and 25 percent of sediment loads to the Bay.
- Addressing these loads will be key aspect of Phase III WIP development for COG members



Stormwater Fees & Taxes

Illustrative Subset of COG Region Stormwater Fee/Tax Rates Over Time



- Rates are based on average for single family residential property
- Cross-jurisdictional comparisons are subject to several caveats
 - Not necessarily total costs, e.g. DC Water has separate CSO charge



COG's Stormwater Program Area

- **Peer Review**
 - Workshops, list serves
- **Procurement assistance**
 - Promote greater use of regional rider clause and contract bridging mechanisms
- **Bay TMDL Modeling Input and Output Analysis**
 - In concert with Norm Goulet, NVRC
- **Permit coordination – Maryland**
- **Fee and Cost Tracking**
 - Continue to update stormwater fee and tax summary
- **Outreach**
 - Communicate importance of this sector to overall regional water quality goals



COG's FY 2017 Stormwater Workshops

- **Pond Retrofit Workshop, 11/2016**
 - Coordinated regional action to gain Bay Program approval for innovative techniques for retrofitting wet and dry ponds
- **New Approaches to Water Quality Monitoring workshop, 12/2016**
 - Presented new findings on the source of pollutants in urban waters; promoted opportunities to pool local funds for water quality monitoring.
- **DOEE MS4 Permit Workshop, 4/2017**
 - Learned about new requirements in the District's draft MS4 permit; discussed opportunities for regional collaboration on permit issues, such as bacterial source tracking.
- **Procurement workshop with Montgomery County, 6/14/2017**
 - Will share stormwater procurement and contracting experiences; promote use of regional tools to save time and money



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