

## District of Columbia Final 2018–2019 Programmatic Water Quality Milestones

Target Date	Milestone	Description	Agency
<b>URBAN STORMWATER</b>			
Urban Stormwater Management Policy and Implementation			
31-Dec-19	Initiate evaluation of potential options to update District's stormwater regulations	Initiate assessment performance standard (see Climate Change/Resilience section) and minimum land disturbance threshold for triggering regulatory requirements. Complete assessment for inclusion in District's 2020 MS4 Annual Report	DOEE
31-Dec-19	Initiate evaluation of potential stormwater fee increase	Initiate evaluation of options for increasing the District's stormwater fee, including an assessment of how the fee works in tandem with other financing options such as the Stormwater Retention Credit (SRC) Purchase Agreement Program, incentive programs, and regulatory requirements. Complete assessment for inclusion in District's 2020 MS4 Annual Report	DOEE
31-Dec-19	Initiate implementation of Stormwater Pollution Prevention (P2) Program Plan for District Operations in compliance with MS4 consent agreement with EPA	Conduct inspections and provide compliance assistance to District municipal facilities that are critical sources of stormwater pollution. Activities include: stormwater pollution prevention plan development, P2 Database development, employee training, compliance assistance, inspections, and monitoring. DOEE will fully implement Plan within two years of DOEE and EPA signing Consent Agreement and Final Order (CAFO) for District's MS4 Permit	DOEE
31-Dec-19	Make progress toward "acres managed" requirement of MS4 permit	MS4 permit sets a 5-year goal to manage 1,038 acres with stormwater best management practices (BMPs). Year-to-year performance will vary, so it is not possible to predict an annual rate of progress	DOEE
31-Dec-19	Implement Stormwater Retention Credit (SRC) Price Lock Program	SRC Price Lock program enables participants to sell SRCs to the District government at a fixed price, providing confidence to investors who commit funding to green infrastructure (GI) projects. DOEE has \$11.5 million available to fund this program	DOEE

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31-Dec-19	Implement SRC Site Evaluation Program	SRC Site Evaluation program provides direct assistance to property owners who want GI installed and are interested in the SRC program but need assistance evaluating GI feasibility. DOEE expects to provide \$100,000 for site evaluations starting in 2018	DOEE
31-Dec-19	Implement SRC Aggregator Startup Grant Program	SRC aggregating businesses that want to design and install GI from multiple projects can apply for an SRC Aggregator Startup Grant of up to \$75,000. These grants support technical and outreach work to identify GI opportunities on properties whose owners are interested in the financial and other benefits of SRC-generating GI	DOEE
31-Dec-19	Release updated Stormwater Management Guidebook	Updates include: green roof and solar panel installations, expanded rainwater harvesting treatment guidelines, and matching District Department of Transportation's (DDOT) Bioretention Soil Media Mix for consistent installation at facilities across DC	DOEE
31-Dec-19	Investigate fertilizer application rates	The District will investigate fertilizer application rates by engaging with large parcel land owners, federal partners, and District agencies; performing literature review of regional fertilizer application rate studies; and conducting outreach with neighboring Chesapeake Bay jurisdictions, including a review of their fertilizer sales data. This research will contribute to the development of an agreed-to method for determining average application rates and changes in those rates through time.	DOEE
Inspections and Enforcement			
31-Dec-18	Establish mechanism for BMP maintenance self-certification	Pilot BMP maintenance self-inspection and reporting program, starting with sister agencies	DOEE

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31-Dec-19	Increase BMP maintenance inspections	Develop strategies to increase inspector efficiency and productivity such as setting higher inspector quotas, use of contractor, and/or development of self-inspection program	DOEE
31-Dec-19	Reduce or eliminate stormwater pollutant flows from critical sources	Implement inspection and enforcement program covering critical sources of stormwater pollution. Program elements include up-to-date inventory of all facilities deemed critical sources under the DC MS4 Permit, conduct inspections of critical sources, and assure compliance through compliance assistance or formal enforcement actions as required by MS4 permit	DOEE
31-Dec-19	Implement Illicit Discharges and Illegal Disposal Detection and Elimination program	Program elements include outfall inventory and dry weather outfall inspections, an illicit discharge reporting system, and aggressive investigation and enforcement procedures. 100% of the outfalls are inspected at least once during each MS4 permit term or every five years	DOEE
Restoration			
31-Dec-19	Make progress toward District goal of 40% Urban Tree Canopy by 2032	The District has developed an urban canopy plan as a roadmap towards this goal. MS4 permit sets a 5-year goal to plant 33,525 trees in the MS4. Year-to-year performance will vary, so it is not possible to predict an annual rate of progress	DOEE
31-Dec-19	Target watersheds around stream restoration projects for RiverSmart incentive programs and complete approximately 1,000 audits annually	The District has an aggressive stream restoration program. As a part of stream restoration projects DOEE does targeted outreach to properties in the watersheds to encourage voluntary stormwater retrofits through incentives and rebates. Encouraging property owners to undertake stormwater retrofits on their land aids in community buy-in and responsibility for the District's stream restoration efforts	DOEE

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31-Dec-19	Retrofit 2 targeted sub-watersheds with low-impact development	DOEE has funded DDOT to install low impact development (LID) upland of the Alger Park Stream restoration and the Klinge Run restoration, and the construction of these installations should begin in the second quarter of 2018	DOEE
31-Dec-19	Complete two large-scale Environmental Assessments covering outfalls on National Park Service land	DOEE will work with the National Park Service to complete Environmental Assessments (EAs) for outfalls located within the jurisdiction of Rock Creek National Park and National Capital Parks East. EAs are needed in advance of designing and constructing outfall restoration projects	DOEE
31-Dec-18	Complete three Environmental Assessments for stream restoration projects	DOEE is working with the National Park Service to perform EAs for restoring three tributaries in the District of Columbia. EAs are needed in advance of designing and constructing these stream restoration projects.	DOEE
31-Dec-18	Draft living shoreline restoration plan living shoreline standards and specifications	Under the Fisheries and Wildlife Omnibus Bill, DOEE must develop living shoreline construction design details. The shoreline restoration plan identifies areas along the Potomac and Anacostia Rivers ideal for the installation of living shoreline features	DOEE
31-Dec-19	Develop Critical Area Regulations that address living shorelines, floodplain management, wetlands and wildlife	Under the Fisheries and Wildlife Omnibus Bill, DOEE must develop regulations for critical areas, defined as areas containing species of local importance, wetlands, frequently-flooded areas, fish and wildlife habitat conservation areas, and critical aquifer recharge areas	DOEE
31-Dec-19	Support Natural Resource Damage Assessment (NRDA) for Anacostia River and surrounding sites	Work with federal, state and District trustees to quantify damages associated with contamination of the Anacostia River, sediment, and surrounding sites and identify restoration opportunities	DOEE

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Outreach and Engagement Strategies			
30-Sep-18	Identify priority areas and audiences for implementation and engagement	Inventory and analyze target areas for various stormwater management programs to identify priority geographies and audiences for Phase III WIP strategy development	DOEE
31-Dec-19	Engage new partners through Community Stormwater Solutions grant program	Continue and refine Community Stormwater Solutions grant program to engage new partners and build community buy-in for stormwater management and watershed restoration activities	DOEE
31-Dec-19	Create story maps of current projects and programs	Developing story maps to showcase progress under the MS4 program, State Revolving Fund, and water quality monitoring	DOEE
31-Dec-18	Develop supporting activities and programming to commemorate the Year of the Anacostia	Events will engage citizens and organizations in commemorating the history of the Anacostia River and Park and envision its future. DOEE providing funds through Community Stormwater Solutions program	DOEE
31-Dec-18	Develop strategy to engage residents in under-represented communities and encourage participation in the RiverSmart Homes program	Ensure RiverSmart Homes program is implemented equitably. Residents of Wards 7 and 8 have lower RiverSmart participation rate. DOEE has secured support through NFWF Technical Assistance Provider to better understand barriers to participation among under-represented residents and develop strategy to address	DOEE
31-Dec-19	Develop comprehensive outreach campaign around DOEE programs related to watershed and habitat restoration and water quality	Develop targeted outreach materials for its voluntary stormwater retrofit, wildlife restoration, pollution prevention, outreach, and education programs. Campaign goal is to increase awareness of and participation in DOEE programs	DOEE
31-Mar-18	Enhance Watershed Stewards Academy	Provide resources to implement capstone projects	DOEE

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30-Sep-18	Convene Restoration Roundtable	Work with Anacostia Watershed Restoration Partnership to hold "Restoration Roundtables" that facilitates projects on private land. DOEE will work with the Metropolitan Washington Council of Governments (MWCOG), NGOs, and federal and local agencies to identify opportunities for collaboration that would make it easier to implement restoration projects in the Anacostia watershed	DOEE, MWCOG
<b>Tracking and Reporting</b>			
31-Aug-18	Develop interface between Stormwater Management, DDOT Tree, and Office of Tax and Revenue databases	Developing database interfaces will allow DOEE to pull relevant information on tree planting, BMP maintenance and ownership from District agencies into the Stormwater Database to assist in program implementation and reporting	DOEE
31-Dec-19	Implement Stormwater Database Verification Program	Utilize the stormwater database to track and target verification of projects around the District	DOEE
31-Dec-19	Implement District's BMP verification program	Implement District's BMP verification program, including updating Quality Assurance Program Plans (QAPPs) to reflect current verification practices. Changes to verification program include new procedure for submitting wastewater data from permitted facility to EPA NPDES databases to CBP Point Source App	DOEE, DC Water, EPA
31-Dec-18	Integrate RiverSmart data into Stormwater Database	Facilitate programmatic tracking and accountability and support partnerships	DOEE
<b>Federal Facilities</b>			
31-Dec-18	Engage major landholding federal agencies within the District to develop Phase III WIP strategies	Work with federal facilities to set programmatic and numeric pollution reduction goals and incorporate into District's Phase III WIP	DOEE

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31-Dec-19	Work with federal agencies to acquire and report BMP implementation information	Incorporate federal data into District's annual implementation progress data submissions as outlined in federal agency stormwater management memorandum of Understanding (MOU)	DOEE
<b>WASTEWATER</b>			
31-Mar-18	Place in operation Anacostia River Tunnel from Blue Plains to RFK Stadium	Represents first phase of the Clean Rivers Project to control combined sewer overflows and will reduce combined sewer overflows to Anacostia River by 81%	DC Water
31-Mar-18	Place in operation Wet Weather Treatment Facility at Blue Plains	Will accept and treat millions of gallons of combined sewage that previously overflowed into District waterways	DC Water
31-Dec-19	Continue progress on construction of Northeast Boundary Tunnel	Advance design and construction to place NE Boundary CSO tunnel into operation by 2023	DC Water
31-Dec-19	Continue progress constructing Green Infrastructure (GI) projects	Implement GI projects in Potomac and Rock Creek Watersheds per Consent Decree milestones	DC Water
31-Jul-19	Include wastewater data in Phase III Watershed Implementation Plan (WIP)	For planning purposes, include wastewater treatment plant and combined sewer system flow, concentration and loading data into Phase III WIP consistent with DC Water's Blue Plains and other NPDES permits	DOEE, DC Water
31-Dec-18	Report Blue Plains wastewater and combined sewer system data to CBPO	For progress reporting purposes, update process for reporting fully QA/QC'd wastewater data from DC Water's Blue Plains wastewater treatment plant to EPA NPDES databases and to CBP Point Source online application	DC Water, EPA
<b>CLIMATE CHANGE/RESILIENCE</b>			
31-Dec-19	Evaluate floodplain regulations	Explore revision of floodplain regulations to increase the District's resilience and better prepare the District for climate changes	DOEE

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31-Dec-19	Support Watts Branch Equity Advisory Group	Provide resources to support Equity Advisory Group in Watts Branch sub-watershed to help residents and community-based organizations develop a strategy to implement Climate Ready DC at the neighborhood level	DOEE
31-Dec-19	Initiate evaluation of District's stormwater performance standards	Initiate assessment of stormwater performance standards established by District's stormwater regulations based in part on future precipitation forecasts. Complete assessment for inclusion in District's 2020 MS4 Annual Report	DOEE
01-Apr-19	Develop Climate Resilient Design Guidelines and Strategic Implementation Plan for Climate Ready DC	Develop a strategic implementation plan for Climate Ready DC, the District's climate adaptation plan including recommendations for financing and funding climate resilience projects and the development of climate resilient design guidelines for key infrastructure and development types	DOEE