

District of Columbia 2020–2021 Programmatic Water Quality Milestones

Target Date	Milestone	Description	Agency
Updated November 2020			
URBAN STORMWATER			
Urban Stormwater Management Policy and Implementation			
31-Dec-21	Numeric: Manage 200 acres of the District's MS4 area with runoff reduction stormwater best management practices	The District's MS4 permit sets a 5-year goal to manage 1,038 acres with stormwater BMPs. Year-to-year performance will vary, so the numeric milestone provided here to manage 200 acres using the Stormwater Performance Standard – Runoff Reduction BMP represents a conservative estimate of two-year progress and also does not include stormwater management on federal lands or managed through tree planting. Phase III WIP Page 86.	DOEE
31-Dec-21	Finish evaluation of potential options to update District's stormwater regulations and initiate rulemaking process, if appropriate	Assess opportunities to implement new stormwater regulations for projects that do not trigger the current regulations. If new regulations are feasible, begin discussions with stakeholder groups for feedback. Phase III WIP Page 87.	DOEE
31-Dec-21	Evaluate potential stormwater fee increase	Evaluate options for increasing the District's stormwater fee, including an assessment of opportunities to adjust the stormwater fee to cover new programs and BMP maintenance. Phase III WIP Page 90.	DOEE
31-Dec-21	Work with District agencies to evaluate best management practice (BMP) maintenance efforts	Work with District agencies to coordinate existing BMP maintenance efforts and assess opportunities for a District-wide green infrastructure strategy. Phase III WIP Page 8.	DOEE

District of Columbia 2020–2021 Programmatic Water Quality Milestones

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31-Dec-21	Implement regulatory amendments to prioritize use of High-Impact Stormwater Retention Credits (SRCs)	Evaluate options for amending the District's stormwater regulations to require developers buying SRCs to use High-Impact SRCs if they are available and affordable. High-Impact SRCs are generated by new, voluntary green infrastructure in the MS4 instead of SRCs from practices built pre-2013, in the combined sewer area, or in excess of a regulatory requirement. Phase III WIP Page 103.	DOEE
31-Dec-21	Continue implementation of the Stormwater Retention Credit (SRC) Price Lock Program, including support for developers to purchase from SRC Price Lock Program participants	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 can use the funds to purchase and retire SRCs. DOEE will enhance the program to generate demand from developers, including using the funds to pay participants to sell their SRCs at reduced rates, particularly in large or multi-year transactions, to motivate developers to purchase from SRC Price Lock Program participants. Phase III WIP Page 100.	DOEE
31-Dec-21	Make progress on developing incentives for building SRC-generating green infrastructure in the Public Right of Way (PROW)	Streamline the permitting process to build green infrastructure in the PROW to generate SRCs. Develop incentives to reduce the financial risks associated with building GI in the PROW to generate SRCs. Phase III WIP Page 103.	DOEE

District of Columbia 2020–2021 Programmatic Water Quality Milestones

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31-Dec-21	Continue to 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. Phase III WIP Page 102.	DOEE
31-Dec-21	Implement SRC Incentive program to encourage outreach and engagement with community stakeholders and the inclusion of co-benefits to SRC generating practices	Develop initiative to allow SRC generators or aggregators to receive additional financial incentives if they conduct outreach to communities who may be impacted by SRC generating projects in order to increase understanding of and support for new green infrastructure. Generators can also receive funding to incorporate elements that provide co-benefits in their installations. Will utilize the WIP Action Team Co-Benefit Fact Sheets to inform co-benefit outreach. Phase III WIP Page 103 and FY20 WIP Assistance Funding.	DOEE
31-Jan-20	Release updated Stormwater Management Guidebook	Updates include: green roof and solar panel installations, expanded rainwater harvesting treatment guidelines, and matching DDOT's Bioretention Soil Media Mix for consistent installation at facilities across DC. Phase III WIP Page 88.	DOEE

District of Columbia 2020–2021 Programmatic Water Quality Milestones

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Inspections and Enforcement			
31-Dec-21	Implement a targeted compliance inspection program of industrial discharges conducting aggregate production and recycling activities	Conduct targeted compliance inspections of aggregate facilities and other facilities known to potentially contribute suspended solids to stormwater flows and/or point-source discharges. Efforts shall include, but are not limited to, aggressive enforcement actions against ineffective BMPs and failure to comply with maintenance schedules; increased re-inspection frequency for compliance assurance; and ensuring compliance with new Multi-Sector General Permit (MSGP) requirements for benchmark monitoring and effluent guidelines. Phase III WIP Page 139.	DOEE
31-Dec-21	Implement strategic sewershed investigation of illicit domestic wastewater discharges	Conduct strategic sewershed investigation of District sewersheds to identify and eliminate illicit sources of domestic wastewater. This includes but is not limited to traditional illicit discharges and illegal disposal investigation methods and techniques like CCTV and dye testing. DOEE will also use new innovative sampling and analysis technologies, such as sucralose and qPCR. These sewersheds include Watts Branch and Nash Run, priority subwatersheds identified in the District's Phase III WIP. Phase III WIP Pages 59 & 139.	DOEE
31-Dec-21	Evaluate lessons learned from pilot Self Inspection Self Reporting (SISR) program	Conduct evaluation of SISR pilot program to determine potential changes to the program to increase participation and efficiency. Phase III WIP Page 123.	DOEE

District of Columbia 2020–2021 Programmatic Water Quality Milestones

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Restoration			
31-Dec-21	Numeric: Complete construction of two stream restoration and outfall projects and complete the designs for one stream restoration project	Complete the Branch Avenue Park stream restoration project, measuring 550 linear feet, and Park Drive stream restoration project, measuring 1,300 linear feet. Additionally, DOEE will complete designs for the stream restoration of Fort Dupont, measuring 13,000 linear feet. DOEE has two Full Time Equivalents (FTEs) dedicated to stream restoration work. The Urban Stream Restoration BMP would increase 1,850 linear feet by the end of 2021. The Fort Dupont project will increase the Urban Stream Restoration BMP post-2021. Phase III WIP Page 106	DOEE
31-Dec-21	Numeric: Initiate three Environmental Assessments for stream restoration projects	Work with the National Park Service to perform Environmental Assessments (EAs) for restoring three tributaries in the District of Columbia: Pinehurst Branch, Stickfoot Branch, and Oxon Run. EAs are needed in advance of designing and constructing these stream restoration projects. The Pinehurst and Stickfoot Branch Stream Restoration projects will be completed post-2021 and will add 8,700 linear feet of Urban Stream Restoration BMP towards DOEE's 2025 implementation targets. The Oxon Run Stream Restoration was not included in DC's Phase III WIP Implementation Scenario given it is scheduled for completion post-2025. When completed it will add an additional 16,000 linear feet of Urban Stream Restoration BMP. Phase III WIP Page 106.	DOEE

District of Columbia 2020–2021 Programmatic Water Quality Milestones

Target Date	Milestone	Description	Agency
31-Dec-21	Numeric: Initiate two large-scale Environmental Assessments covering outfalls on National Park Service land	Work with the National Park Service to initiate 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. Completion of the Outfall Restoration project will be completed post-2021 and will result in an additional 1,500 linear feet of Outfall Restoration BMP. DC did not include Outfall Restoration efforts in the Phase III WIP 2025 implementation scenario since it is not yet a fully credited BMP. Phase III WIP Page 106.	DOEE
31-Dec-21	Numeric: Implement 44 acres of Urban Tree Planting BMP as 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. The MS4 Permit sets a 5-year goal to plant 33,525 trees in the MS4 area. In 2019, RiverSmart Homes eliminated copayments for trees, making them free to property owners to increase implementation. Phase III WIP Pages 87 & 106.	DOEE
31-Dec-21	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 subwatersheds 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. The District will engage residents in this manner around the Branch Avenue Park and Park Drive restoration projects. Phase III WIP Pages 106 & 112.	DOEE

District of Columbia 2020–2021 Programmatic Water Quality Milestones

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31-Dec-21	Retrofit parks and schools for upland Low Impact Development (LID) projects	Target parks and school parcels for stormwater retrofits because they are cost-effective and good sites for educating the public. DOEE is working with the Department of Parks and Recreation (DPR) to install LID projects at five DPR recreation centers/parks. Additionally, DOEE is also working with public, private, and charter schools to retrofit six schools with LID projects while training teachers on using the sites to educate students. Phase III WIP Page 111.	DOEE
31-Dec-20	Develop Critical Area Regulations that address living shorelines, floodplain management, wetlands and wildlife	Under the Fisheries and Wildlife Omnibus Bill, DOEE is required to 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. The development of these regulations will happen in stages. DOEE will seek feedback on the draft wetland and stream regulations and publish a rulemaking for this first chapter of critical areas regulations. Phase III WIP Page 127.	DOEE
31-Dec-21	Initiate a Natural Resource Damage Assessment (NRDA) for the Anacostia River	Work with Federal, Maryland, and District trustees to initiate a NRDA that is required under the Federal Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and the District of Columbia Brownfield Revitalization Act. This NRDA will determine the damages caused by contamination and resources necessary for restoration of the Anacostia River as agreed upon by NRDA trustees. Phase III WIP Page 126.	DOEE

District of Columbia 2020–2021 Programmatic Water Quality Milestones

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Outreach and Engagement Strategies			
31-Dec-21	Refine the Community Stormwater Solutions grant program to engage with new partners	Partner with the Chesapeake Bay Trust to evaluate, refine, and administer the Community Stormwater Solutions Grant Program in order to better support the efforts of District-based small businesses, nonprofits, faith-based organizations, and educational institutions to protect and enhance the District's water bodies and watersheds, and support the District's emerging green economy, environmental start-ups, and social entrepreneurs. Provide capacity-building initiatives like grant writing and management trainings with a focus on equity and inclusion to increase the diversity of grant applicants and increase the District's reach with traditionally under-represented community groups. Phase III WIP Page 120.	DOEE
31-Dec-21	Create Story Maps of current projects and programs	Develop GIS Story Maps to showcase progress under the MS4 program, State Revolving Fund, and water quality monitoring. Phase III WIP Page 85.	DOEE
31-Dec-21	Implement strategies to engage residents in under-represented communities and encourage participation in the RiverSmart Homes program	After receiving recommendations from a marketing contractor and a grantee on strategies for broadening RiverSmart's reach, DOEE will work to ensure that the RiverSmart Homes program is implemented equitably. Specifically, targeted engagement and outreach strategies will be utilized to reach more residents in Wards 7 and 8. Phase III WIP Page 113.	DOEE

District of Columbia 2020–2021 Programmatic Water Quality Milestones

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31-Dec-21	Develop comprehensive outreach campaign to increase support for green infrastructure	Develop targeted outreach materials for voluntary stormwater retrofit, wildlife restoration, pollution prevention, outreach, and education programs. The campaign goal is to increase awareness of co-benefits and participation in DOEE programs. Additionally, DOEE will work with sister agencies to draft common signage for stormwater retrofit projects to further engage and educate residents and maintenance personnel. DOEE will utilize the WIP Action Team Co-Benefit Fact Sheets to inform potential outreach materials for this work. Phase III WIP Page 94.	DOEE
31-Mar-21	Enhance Watershed Stewards Academy to enhance diversity, equity and inclusion	Incorporate equitable outreach and engagement plans that build relationships and recruit District residents from historically under-represented communities in Wards 7 and 8 as potential Stewards. The program will also work to provide alumni engagement and networking opportunities to current stewards to increase their networks. Phase III WIP Page 63.	DOEE
31-Dec-21	Convene 4 semiannual watershed partner meetings	Convene semiannual meetings with watershed stakeholders to discuss programs and opportunities available to help support the District's clean water goals as a continuation of the Chesapeake Partner Advisory Group. Phase III WIP Page 63.	DOEE

District of Columbia 2020–2021 Programmatic Water Quality Milestones

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31-Dec-21	Convene annual restoration contractor vendor forum	Bring together landscape and restoration contractors and vendors involved in Environmental Assessments (EA), design and/or construction of Low Impact Development (LID), and/or Stream Restoration practices. The forum will act as an information exchange on best practices for contracting for environmental restoration projects in the District. Phase III WIP Page 63.	DOEE
31-Dec-21	Facilitate outreach to the development community for compliance assistance programs that improve water quality outcomes	Conduct outreach to the building industry to encourage participation in off-site stormwater regulation compliance opportunities through the SRC Program and to increase awareness of the Self-Inspection Self-Reporting (SISR) program. Phase III WIP Page 137 & FY19 WIP Assistance Funding.	DOEE
Tracking, Reporting, and Monitoring			
31-Dec-21	Make progress to develop an interface between Stormwater Database and District Department of Transportation (DDOT) Tree Database	Begin developing a database interfaces that will allow DOEE to pull relevant information on tree planting on DDOT owned land into the Stormwater Database to assist in program implementation and reporting. Phase III WIP Page 133.	DOEE
31-Dec-21	Implement Stormwater Database Verification Program	Continue to utilize and refine the Stormwater Database to track and target verification of projects around the District. Phase III WIP Page 133.	DOEE

District of Columbia 2020–2021 Programmatic Water Quality Milestones

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31-Dec-21	Implement District's BMP verification program	Implement District's BMP verification program, including the recently updated 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. Phase III WIP Page 134.	DOEE/ DC Water/ U.S. EPA
31-Dec-21	Utilize monitoring data	DOEE will consider USGS stations, citizen science, and other local monitoring data when evaluating sources of pollution and priorities for BMP implementation. Phase III WIP Page 129.	DOEE
Federal Facilities			
31-Dec-21	Engage major landholding agencies within the District to continue progress towards Phase III WIP strategies and targets	Work with federal facilities to make progress towards programmatic and numeric pollution reduction goals included in the District's Phase III WIP. Phase III WIP Page 60.	DOEE
31-Dec-21	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 MOU. Phase III WIP Page 135.	DOEE
31-Dec-21	Work with federal agencies and EPA contractors to reconcile Stormwater Database practices with Federal BMP records	As part of the EPA and DoD BMP Progress submission contract, DOEE will work with federal agencies, contractors, and the Federal Facility Workgroup to ensure that regulated and voluntary BMPs on Federal Land in the District are correctly submitted and credited as part of the annual Progress Submission process. Phase III WIP Page 135.	DOEE

District of Columbia 2020–2021 Programmatic Water Quality Milestones

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31-Dec-21	Work with federal agencies and the Chesapeake Bay Program to rectify land use errors in the Federal Facility GIS Data Layer	Connect with federal facilities and CBP in regards to errors in the Federal Facility GIS Land Use Data Layer. Work via the Federal Facility Workgroup to document errors for updates within CBP data sets. Phase III WIP Page 53 and EPA Phase III WIP Evaluations.	DOEE
WASTEWATER			
31-Dec-21	Continue progress on Northeast Boundary Tunnel Constriction	Continue construction of the Northeast Boundary Tunnel with an anticipated place in operation date in 2023, ahead of the March 23, 2025 Consent Decree deadline. Phase III WIP Page 42.	DC Water
31-Dec-21	Complete post-construction monitoring and submit practicability determination to EPA for first Green Infrastructure (GI) projects	Complete post-construction monitoring and submit practicability determination to EPA for first Green Infrastructure (GI) projects in Potomac and Rock Creek in accordance with Consent Decree deadlines. Phase III WIP Page 41.	DC Water
31-Dec-21	Advance planning and design of Potomac River Tunnel	Award a contract for design of Potomac River Tunnel by July 1, 2021 per Consent Decree requirements. Phase III WIP Page 41.	DC Water
30-Dec-21	Report Blue Plains wastewater and combined sewer system data to the Chesapeake Bay Program (CBP) for required annual reporting	For progress reporting purposes, update process for reporting fully QA/QC'd wastewater data from DC Water's Blue Plains Advanced Wastewater Treatment Plant to EPA NPDES databases and to CBP Point Source online application. Phase III WIP Page 130.	DC Water/DOEE

District of Columbia 2020–2021 Programmatic Water Quality Milestones

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31-Dec-21	Update flow projections for the Blue Plains Wastewater Treatment Plant Service Area	Update the Regional Wastewater Flow Forecast Model of the Blue Plains Service Area through 2050 with data from Version 9.2 of the Cooperative Forecasting Analysis. This effort is led by the Metropolitan Washington Council of Governments (MWCOG) with DC Water, The District of Columbia, and the other jurisdictions within the Blue Plains Service Area. Phase III WIP Page 57.	MWCOG/DC Water/ Office of the City Administrator
CLIMATE CHANGE/RESILIENCE			
31-Dec-21	Evaluate floodplain regulations	Explore revision of floodplain regulations to increase the District's resiliency and better prepare the District for climate changes, and begin rulemaking process. Phase III WIP Page 140.	DOEE
31-Dec-21	Evaluate District's stormwater performance standards	Assess stormwater performance standards established by District's stormwater regulations based in part on future precipitation forecasts. Phase III WIP Page 140.	DOEE
31-Dec-21	Develop Climate Resilient Design Guidelines	Develop climate resilient design guidelines outlining how to incorporate future climate projections that include more frequent precipitation and flooding events into building and site-level design. Phase III WIP Page 142.	DOEE
31-Dec-21	Develop comprehensive heat strategy	Develop a strategy outlining opportunities to reduce the urban heat island and protect residents from the impacts of extreme heat. Identify communities most at risk from heat using both exposure and sensitivity indicators to determine how efforts like green infrastructure projects and increased tree canopy cover can improve community conditions. Phase III WIP Page 142.	DOEE

