

## District of Columbia 2022–2023 Programmatic Water Quality Milestones - Final

| Target Date   | Milestone   | Description   | Agency |
|---|---|---|--------|
| <b>URBAN STORMWATER</b>                               |   |   |        |
| Urban Stormwater Management Policy and Implementation |   |   |        |
| 31-Dec-23   | <b>Numeric:</b> Manage 200 acres of the District's Municipal Separate Storm Sewer System (MS4) area with runoff reduction stormwater best management practices (BMPs) | 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. At the completion of the 2022-2023 Milestone period the District will have implemented at least 1,239 acres of the Stormwater Performance Standard – Runoff Reduction BMP. Phase III WIP Page 86. | DOEE   |
| 31-Dec-23   | Initiate process for rulemaking updates to District's stormwater regulations  | Following preclearance from the District's Executive Office of the Mayor, initiate the process to develop rulemaking updates to the District's stormwater regulations. Phase III WIP Page 87.   | DOEE   |
| 31-Dec-23   | Implement Best Management Practice Maintenance Program for District-owned green infrastructure practices  | Work with District agencies to take on full maintenance responsibilities for existing green infrastructure practices. Phase III WIP Page 8.   | DOEE   |
| 31-Dec-23   | Begin development of Green Infrastructure Maintenance database to track progress  | Begin development of a database to manage District-owned green infrastructure practices and their maintenance. Coordinate the database to support the addition of new BMPs. Phase III WIP Page 8.   | DOEE   |

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| 31-Dec-23   | Propose updated regulations to prioritize use of High-Impact Stormwater Retention Credits (SRCs)   | Draft and propose regulations to require most regulated development projects that opt to meet a portion of their stormwater retention obligations offsite to use High-Impact SRCs. These credits help to fund green infrastructure where it will have the greatest impact on improving water quality in the District. Phase III WIP Page 103.   | DOEE   |
| 31-Dec-23   | Continue implementation of the Stormwater Retention Credit (SRC) Price Lock Program, including support for developers to purchase from SRC Price Lock Program participants and look for ways to incorporate Diversity, Equity, Inclusion, and Justice efforts into the program | The 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 projects. DOEE has \$10.5 million available to fund this program. DOEE can use the funds to purchase and retire SRCs as a buyer of last resort. 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. DOEE will also prioritize applicants that address environmental justice issues within the District. Phase III WIP Page 100, and EC DEIJ Statement. | DOEE   |
| 31-Dec-23   | Make progress on developing incentives for building SRC-generating green infrastructure in the Public Right of Way (PROW)  | Coordinate with the District Department of Transportation (DDOT) to streamline the permitting process and develop a program to support green infrastructure retrofits in the MS4 PROW. Phase III WIP Page 103.  | DOEE   |

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|-------------|--|--|--------|
| 31-Dec-23   | Relaunch the SRC Aggregator Startup Grant Program  | SRC aggregating businesses that want to design and install green infrastructure from multiple projects can apply for an SRC Aggregator Startup Grant of up to \$75,000. During the COVID-19 pandemic this program was put on hold due to budget uncertainty. DOEE plans to relaunch this program in the next reporting period. These grants support technical and outreach work to identify green infrastructure opportunities on properties whose owners are interested in the financial and other benefits of SRC-generating green infrastructure. Phase III WIP Page 102. | DOEE   |
| 31-Dec-23   | Release a Grant Request for Application (RFA) for an 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. DOEE will utilize the WIP Action Team Co-Benefit Fact Sheets to inform co-benefit outreach. Phase III WIP Page 103 and WIP Assistance Funding.                                      | DOEE   |
| 31-Dec-23   | Update Stormwater Management Guidebook to account for new regulations  | Once the High Impact Stormwater Retention Credit regulations are finalized, begin the process of updating the District's Stormwater Management Guidebook to account for the changes. Phase III WIP Page 88.  | DOEE   |

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|-----------------------------|--|--|--------|
| Inspections and Enforcement |  |  |        |
| 31-Dec-23                   | Implement a targeted compliance monitoring program of public space linear land-disturbance activities    | Improve compliance monitoring and enforcement efforts of linear land-disturbing projects within the public space, including, but not limited to, utility repair and replacement, road and curb repair and replacement, and sidewalk repair and replacements. DOEE found these types of projects historically fail to implement and deploy best management practices and housekeeping to prevent the flow of sediment and other pollutants to the District's MS4. Phase III WIP Page 139.   | DOEE   |
| 31-Dec-23                   | Implement strategic sewershed investigation of illicit domestic wastewater discharges                    | Continue the strategic investigation for illicit sources of sewage in the Watts Branch and Nash Run priority sub-watersheds (Phase III WIP Pages 59 & 139). Previous efforts identified the presence of illicit sources; however, identification of the sources is challenging. DOEE will utilize both traditional and innovative investigation methods and techniques to track and locate the sources of the detected sewage. DOEE will also employ assistance from sister agencies, including DC Health, DC Department of Consumer and Regulatory Affairs, and DC Water. Phase III WIP Pages 59 & 139. | DOEE   |
| 31-Dec-23                   | Implement improvements based on lessons learned from pilot Self Inspection Self Reporting (SISR) program | Conduct evaluations of SISR pilot program to determine potential changes to the program to increase participation and efficiency. Phase III WIP Page 123.  | DOEE   |

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|-------------|---|--|--------|
| Restoration |   |  |        |
| 31-Dec-23   | <p><b>Numeric:</b> Complete construction of two stream restoration projects that will increase the urban stream restoration BMP by 2,250 linear feet by the end of 2023</p> | <p>DOEE will complete designs and construction of the Park Drive stream restoration project, measuring 1,300 linear feet, as well as for the Stickfoot Branch stream restoration project, measuring 950 linear feet. The Urban Stream Restoration BMP will increase 2,250 linear feet by the end of 2023. DOEE has two Full Time Equivalents (FTEs) dedicated to stream restoration work. At the completion of the 2022-2023 Milestone period the District will have implemented at least 31,005 feet of Urban Stream Restoration BMP. Phase III WIP Page 106.</p>         | DOEE   |
| 31-Dec-23   | <p><b>Numeric:</b> Complete designs for two steam restoration projects and initiate designs on two additional projects</p>  | <p>DOEE will complete designs for the stream restoration at Fort Dupont measuring 17,000 linear feet. This project will also include a wetland restoration of up to 10 acres. DOEE will also initiate the procurement of the construction of the Fort Dupont restoration. Additionally, DOEE will complete designs for the Linnean Gully restoration.</p> <p>DOEE will also commence designs on outfall restoration projects in Rock Creek Park as well as the designs for stream restoration in Pinehurst Branch, measuring 7,000 linear feet. Phase III WIP Page 106</p> | DOEE   |

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| Target Date | Milestone  | Description  | Agency |
|-------------|--|--|--------|
| 31-Dec-23   | <p><b>Numeric:</b> Complete one Environmental Assessment (EA) and initiate two additional EA for stream restoration projects</p>       | <p>Work with the National Park Service to complete the Environmental Assessments for restoring the streams and wetlands at Fort Dupont (17,000 linear feet of stream &amp; 10 acres of wetlands). Initiate EAs for Pinehurst Branch and Oxon Run. EAs are needed in advance of designing and constructing these stream restoration projects. The Pinehurst Branch and Oxon Run Stream Restoration projects will be completed post-2023 and will add 28,000 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.</p> | DOEE   |
| 31-Dec-23   | <p><b>Numeric:</b> Implement 44 acres of Urban Tree Planting BMP as progress toward District goal of 40% Urban Tree Canopy by 2032</p> | <p>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. Phase III WIP Pages 87 &amp; 106.</p>  | DOEE   |

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| Target Date | Milestone   | Description  | Agency |
|-------------|---|--|--------|
| 31-Dec-23   | <b>Numeric:</b> Complete approximately 1,000 RiverSmart Homes audits annually and continue to target practices near District Stream Restoration sites   | RiverSmart homes is the District's residential-scale green infrastructure installation program. Interested homeowners can apply to the program to receive a stormwater audit to determine the feasibility for green infrastructure practices. The District will commit to completing 1,000 audits annually which directly lead to more green infrastructure practices across the District. The program will also complete targeted outreach to individuals in Wards 7 and 8 to prioritize equitable distribution of the program and coordinate around forthcoming Stream Restoration projects to maximize the water quality benefits. Phase III WIP Pages 106 & 112. | DOEE   |
| 31-Dec-23   | <b>Numeric:</b> Retrofit ten parks and schools for upland Low Impact Development (LID) projects   | Target parks and school parcels for stormwater retrofits because they are cost-effective and pragmatic sites for educating the public. DOEE is working with the Department of Parks and Recreation (DPR) to install LID projects at four 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-23   | Train District residents with a special preference on youth, traditionally underserved residents, and returning citizens in support of implementation and maintenance efforts for District BMPs | Through the River Corps and Returning Citizen's Stormwater Workforce Development Program train cohorts of District residents to install, inspect, and maintain Green Infrastructure, and learn critical skills to secure employment. Phase III WIP Page 8 and 2020 EC DEIJ Statement.  | DOEE   |

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| Target Date                        | Milestone  | Description   | Agency |
|------------------------------------|--|---|--------|
| 31-Dec-23                          | Continue the Anacostia River Sediment Project (ARSP) including advancing the Natural Resource Damage Assessment (NRDA) | Work will include the development of a Performance Monitoring Workplan that specifies baseline and post-remedial sampling protocols and the drafting of Pre-Design Investigation Workplans for Kingman Lake and the Washington Channel to refine footprints in preparation for remedial actions that will commence at those sites in 2023. Phase III WIP Page 126.  | DOEE   |
| Outreach and Engagement Strategies |  |   |        |
| 31-Dec-23                          | Further refine the Community Stormwater Solutions grant program to engage with new partners and embrace equity         | Continue to 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 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 and 2020 EC DEIJ Statement. | DOEE   |
| 31-Dec-23                          | 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   |



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|-------------|---|--|--------|
| 31-Dec-23   | Continue to implement strategies to engage residents in under-represented communities and encourage participation in the RiverSmart Homes program | 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. This will include shorter wait times for program implementation and installation in those communities and the creation of RiverSmart Ambassadors who will encourage participation in the program from their neighbors and fellow community members. Phase III WIP Page 113 and 2020 EC DEIJ Statement. | DOEE   |
| 31-Dec-23   | Begin development of comprehensive signage plan for District-owned Best Management Practices  | Convene sister agency and external stakeholders in coordination with DOEE to discuss the development of a comprehensive signage plan for District-owned BMPs. Utilize the signage plan for asset management and educating the public on the functionality and co-benefits associated with green infrastructure practices. 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   |

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|-------------|--|---|--------|
| 31-Dec-23   | Convene green infrastructure maintenance stakeholder workgroup                             | Develop plans for and launch a green infrastructure maintenance workgroup comprised of DC sister agencies and external stakeholders. Discuss BMP maintenance developments, design components in support of maintenance, and share best practices for the maintenance of District BMPs.  | DOEE   |
| 31-Mar-23   | Continue to 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 better alumni engagement and networking opportunities to current stewards to increase their networks. Phase III WIP Page 63 and 2020 EC DEIJ Statement. | DOEE   |
| 31-Dec-23   | 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   |

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|-------------------------------------|---|--|--------|
| 31-Dec-23                           | Relaunch 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-23                           | Finalize outreach strategy to the development community for compliance assistance programs that improve water quality outcomes                              | Support the recently issued grant award to the Urban Land Institute to increase building industry participation in the SRC and SISR programs. Utilize the program deliverables to increase industry awareness and perceptions of the programs. Phase III WIP Page 137 & FY19 WIP Assistance Funding.   | DOEE   |
| Tracking, Reporting, and Monitoring |   |  |        |
| 31-Dec-23                           | Continue the development of an interface between DOEE's Surface and Groundwater System (SGS) and District Department of Transportation (DDOT) Tree Database | Continue the development of a database interface tool that can support tree import efforts into DOEE's Surface and Groundwater System (SGS). This interface will allow DOEE to pull relevant information on tree planting on DDOT owned land into the SGS to assist in program implementation and reporting. Phase III WIP Page 133.   | DOEE   |

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|---------------------------|---|--|--------------------------|
| 31-Dec-23                 | Continue to implement Surface and Groundwater System Verification Program   | Continue to utilize and refine the Surface and Groundwater System (SGS) to track and target verification of best management practices around the District. Utilize the SGS in support of the District's annual Chesapeake Bay Progress Submission. Phase III WIP Page 133.   | DOEE                     |
| 31-Dec-23                 | 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. Phase III WIP Page 134.   | DOEE/ DC Water/ U.S. EPA |
| 31-Dec-23                 | 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                     |
| <b>Federal Facilities</b> |   |  |                          |
| 31-Dec-23                 | Continue to 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-23                 | Continue to 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. Support Federal Agencies with data from the District's Surface and Groundwater System (SGS) to reconcile missing or inaccurate BMP data. Phase III WIP Page 135. | DOEE/ Federal Facilities |

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|-------------|--|--|----------------|
| 31-Dec-23   | Work with federal agencies and EPA contractors to reconcile Surface and Groundwater System (SGS) practices with Federal BMP records                  | 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. DOEE will utilize a crosswalk resource to support evaluation of discrepancies in federal BMP records and the data in DOEE's SGS. Phase III WIP Page 135. | DOEE           |
| WASTEWATER  |  |  |                |
| 31-Dec-23   | Place in operation the Northeast Boundary Tunnel   | Continue construction and place in operation the Northeast Boundary Tunnel ahead of the March 23, 2025 Consent Decree deadline. Phase III WIP Page 42.   | DC Water       |
| 31-Dec-23   | Start and advance construction of Rock Creek Green Infrastructure Project B  | Start and advance the construction of Rock Creek Green Infrastructure Project B to manage 22 impervious acres at the 1.2" retention standard in the CSO 049 Piney Branch sewer shed in Rock Creek. Phase III WIP Page 41.  | DC Water       |
| 31-Dec-23   | Issue Request for Proposal (RFP) documents to shortlisted design-build teams and advance the procurement of the Potomac Tunnel design-build contract | The Potomac Tunnel comprises approximately 5.5 miles of 18' diameter tunnel to control CSOs along the Potomac River. This milestone is issuing the 100% RFP documents to shortlisted design-build teams and advancing the procurement of the Potomac Tunnel design-build contract. Phase III WIP Page 42.  | DC Water       |
| 31-Dec-23   | 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 |

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|---------------------------|--|---|--------|
| CLIMATE CHANGE/RESILIENCE |  |   |        |
| 31-Dec-23                 | Begin process to update District's floodplain regulations                              | Explore revision of floodplain regulations to increase the District's resiliency and better prepare the District for climate changes, and begin the rulemaking process. Phase III WIP Page 140.   | DOEE   |
| 31-Dec-23                 | Consider regulatory changes to update the District's stormwater performance standards. | Utilize the review of DOEE's performance standards in the context of future climate projections to initiate potential regulatory changes to the District's 2-year and 15-year peak discharge requirements. Phase III WIP Page 140.  | DOEE   |
| 31-Dec-23                 | Further develop Climate Resilient Design Guidelines                                    | Incorporate new design changes for stormwater BMPs as they relate to increase storm size into the District's Stormwater Management Guidebook. Continue to support the public and private sector to incorporate future climate projections into design plans. Phase III WIP Page 142.  | DOEE   |
| 31-Dec-23                 | Implement a comprehensive heat strategy  | Finalize a strategy to reduce the urban heat island effect and better prepare residents for the impacts of extreme heat. Work with District agencies to implement the strategy through various programs including increasing tree canopy, installing green infrastructure, and enhancing cooling centers. Phase III WIP Page 142. | DOEE   |

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|-------------|--|---|--------|
| 31-Dec-23   | Consider impacts of climate change past 2025 to 2035 | Preliminary estimates for the climate impact through 2035 indicate a doubling of the 2025 load effect. The effect of climate change on our ability to meet the Bay's water quality standards is a significant and increasing concern. Phase III WIP Page 140 and 2020 Principals' Staff Committee Decision. | DOEE   |