

District of Columbia 2022–2023 Programmatic Water Quality Milestones: Final

Target Date	Milestone & Description	Update	Staff
URBAN STORMWATER			
Urban Stormwater Management Policy and Implementation			
31-Dec-23	<p>Milestone: Numeric: Manage 200 acres of the District's MS4 area with runoff reduction stormwater best management practices</p> <p>Description: 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.</p>	<p>Complete: The District achieved 141 acres managed with stormwater BMPs during the MS4 2023 reporting year. The District has achieved 1,243 acres across the 2019-2023 reporting period. The District's average acres managed per year is 249.</p>	DOEE
31-Dec-23	<p>Milestone: Initiate process for rulemaking updates to District's stormwater regulations.</p> <p>Description: 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.</p>	<p>On track and ongoing: Separate from the SRC Prioritization rulemaking, DOEE is drafting regulations for stormwater management on sites that don't trigger the 2013 Stormwater Rule. DOEE is continuing to analyze different triggering mechanisms and regulatory structures to assess impact on the regulated community.</p>	DOEE

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31-Dec-23	<p>Milestone: Implement Best Management Practice Maintenance Program for District-owned green infrastructure practices.</p> <p>Description: Work with District agencies to take on full maintenance responsibilities for existing green infrastructure practices. Phase III WIP Page 8.</p>	<p>Complete and Ongoing: DOEE continues to be the lead agency responsible for the maintenance of all District-owned Green Infrastructure (GI). Since the Interim Progress Update DOEE has entered into a Memorandum of Understanding with the District of Columbia Public Libraries (DCPL) and Memorandum of Agreement with the District Department of Transportation (DDOT) to govern GI maintenance. DOEE has also established a contract with a local maintenance firm that handles the majority of maintenance work on behalf of DOEE. Maintenance work will continue in 2024.</p>	DOEE
31-Dec-23	<p>Milestone: Begin development of Green Infrastructure Maintenance database to track progress.</p> <p>Description: 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</p>	<p>Complete and Ongoing: DOEE has received a minimum viable product (MVP) from a database developer through a contract. The Green Infrastructure (GI) Maintenance database allows DOEE to create work orders for needed GI maintenance work and send those work orders to approved vendors. The system tracks the need for maintenance on a per BMP basis and can provide reports on activities completed. DOEE has established a Phase 2 of the contract to improve the MVP and integrate DC's 311 system with DOEE's Construction and Maintenance GI inspection process to better support resident-requested maintenance.</p>	DOEE

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31-Dec-23	<p>Milestone: Propose updated regulations to prioritize use of High-Impact Stormwater Retention Credits (SRCs)</p> <p>Description: 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.</p>	<p>On track: DOEE has completed the internal program staff review of the updated regulations and has initiated an internal legal review. Once internal legal review is complete, the Office of Attorney General and Mayor’s Office will review and approve prior to publishing in the DC Register. DOEE expects to publish the proposed rule in the spring of 2024.</p>	DOEE
31-Dec-23	<p>Milestone: 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</p> <p>Description: 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,</p>	<p>Complete and Ongoing: Since 2022, DOEE has approved 14 applications -- 10 purchase agreements and 4 subsidy agreements. These agreements provide financial certainty for projects that generate more than 450,000 SRCs, resulting in the green infrastructure retrofit of over 14 acres of the MS4. Applicants were required to identify how their projects benefit the surrounding community and explain how property owners and community members will be engaged in project decision-making.</p>	DOEE

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	<p>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.</p>		
31-Dec-23	<p>Milestone: Make progress on developing incentives for building SRC-generating green infrastructure in the Public Right of Way (PROW)</p> <p>Description: 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.</p>	<p>Complete and Ongoing: DOEE and DDOT finalized an MOA to allow for the program, and staff are continuing to work to formalize a streamlined permitting process for GI retrofits to generate SRCs in the PROW.</p>	DOEE
31-Dec-23	<p>Milestone: Relaunch the SRC Aggregator Startup Grant Program</p> <p>Description: 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. During the COVID-19 pandemic this program was put on hold due to budget</p>	<p>Complete: DOEE successfully relaunched the SRC Aggregator Startup Grant in 2022 with two grants of \$75,000 each awarded. DOEE expects this program to be ongoing moving forward.</p>	DOEE

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	<p>uncertainty. DOEE plans to relaunch this program in the next reporting period. 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.</p>		
31-Dec-23	<p>Milestone: 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</p> <p>Description: 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 WIP Assistance Funding.</p>	<p>Complete: DOEE successfully issued three awards under the GI Co-benefits Grant Program.</p> <p>DOEE expects the results and best practices developed through these projects to be synthesized and shared with SRC Program stakeholders in the coming months.</p>	DOEE

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31-Dec-23	<p>Milestone: Update Stormwater Management Guidebook to account for new regulations</p> <p>Description: 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.</p>	<p>On track: Updates to the Guidebook are progressing with the regulation update. In addition to updates reflecting the regulation change, DOEE will update technical specifications for some BMPs and improve the readability of some appendices.</p>	DOEE

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Target Date	Milestone	Description	Staff
Inspections and Enforcement			
31-Dec-23	<p>Milestone: Implement a targeted compliance monitoring program of public space linear land-disturbance activities.</p> <p>Description: Improve compliance monitoring and enforcement efforts of linear land-disturbing projects within the public space, including by 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.</p>	<p>Complete: DOEE has increased the inspection frequency of public space land disturbing projects. When deficiencies are identified DOEE directs projects to deploy proper best management practices and housekeeping and pursues enforcement of violations when identified.</p>	DOEE
31-Dec-23	<p>Milestone: Implement strategic sewershed investigation of illicit domestic wastewater discharges.</p> <p>Description: 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;</p>	<p>Complete: The investigation of illicit sources of sewage continues in the Nash Run and Watts Branch sewersheds. 31 potential sources of illicit domestic wastewater discharges were investigated in FY23. Environmental testing and monitoring is ongoing and new potential sources are investigated when identified.</p>	DOEE

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	<p>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, DCRA, and DC Water. Phase III WIP Pages 59 & 139.</p>		
31-Dec-23	<p>Milestone: Implement improvements based on lessons learned from pilot Self Inspection Self Reporting (SISR) program.</p> <p>Description: Conduct evaluations of SISR pilot program to determine potential changes to the program to increase participation and efficiency. Phase III WIP Page 123.</p>	<p>Complete: As of FY20, the SISR pilot is complete. DOEE now receives SISR submissions from commercial, high-density residential, industrial, educational, and medical facilities in the CSS and MS4 areas. The pilot allowed us to improve website functionality based on user-provided feedback, create workflow aids to assist users to navigate the website, and improve forms to gather data that is most useful for determining BMP function.</p>	DOEE

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Restoration			
31-Dec-23	<p>Milestone: Numeric: 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>Description: 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 would increase 2,250 linear feet by the end of 2023. DOEE has two Full Time Equivalent (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>	<p>On track: The Park Drive Gully Restoration project is in the southeast quadrant of the District and has two different restoration sites: Fort Davis and Texas Avenue. In FY 2023, DOEE-completed designs and permitting for 1,300 feet of stream restoration work.</p> <p>DOEE is in agreement with DC Water to restore a headwater tributary of Stickfoot Branch that drains into the Anacostia River. In FY 2023, DOEE-began the procurement process for 950ft of stream restoration while concurrently obtaining-permits-for the project.</p>	DOEE

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Target Date	Milestone	Description	Staff
31-Dec-23	<p>Milestone: Numeric: Complete designs for two stream restoration projects and initiate designs on two additional projects</p> <p>Description: 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>	<p>On track: DOEE published a solicitation for the designs and construction for the restoration of Linnean Gully in February 2023.</p> <p>In FY 2023, DOEE advanced stream and wetland restoration designs at Fort Dupont to the 90% phase.</p> <p>DOEE has developed a solicitation for the EA, designs, and public engagement phases of the Pinehurst Branch restoration project. Solicitation for procurement was ongoing in 2023.</p>	DOEE

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Target Date	Milestone	Description	Staff
31-Dec-23	<p>Milestone: Numeric: Complete one Environmental Assessment and initiate two additional EA for stream restoration projects</p> <p>Description: Work with the National Park Service to complete the Environmental Assessments (EAs) for restoring the streams and wetlands at Fort Dupont (17,000 linear feet of stream & 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>	<p>On track: DOEE anticipates 100% designs and completion of the NEPA process for Fort Dupont in early 2024. DOEE completed the public scoping phase for the project and the public comment period for the Environmental Assessment as part of the National Environmental Policy Act (NEPA) compliance for 18,600ft of stream restoration.</p> <p>DOEE commenced the Oxon Run Stream Restoration Design Project in 2022 which includes pre-NEPA work. In FY23 DOEE developed 15% designs for over 21,000 feet of stream restoration along Oxon Run.</p> <p>DOEE is working to solicit a vendor for NEPA compliance, designs and public engagement phases of the Pinehurst Branch restoration project.</p>	DOEE

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Target Date	Milestone	Description	Staff
31-Dec-23	<p>Milestone: Numeric: Implement 44 acres of Urban Tree Planting BMP as progress toward District goal of 40% Urban Tree Canopy by 2032</p> <p>Description: 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 & 106.</p>	<p>On track and ongoing: For the 2023 reporting period DOEE planted 6,100 trees. The total trees planted in the current 5-year permit period is 37,758, exceeding the 5-year goal to plant 33,525 trees. DOEE's average plantings per year is approximately 7,551 trees.</p>	DOEE

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Target Date	Milestone	Description	Staff
31-Dec-23	<p>Milestone: Numeric: Complete approximately 1,000 RiverSmart Homes audits annually and continue to target practices near District Stream Restoration sites.</p> <p>Description: 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 and equitable distribution of the program and coordinate around forthcoming Stream Restoration projects to maximize the water quality benefits. Phase III WIP Pages 106 & 112.</p>	<p>Complete and Ongoing: During the reporting period DOEE's RiverSmart Homes programs completed 2,459 audits to determine feasibility for green infrastructure practices. That is 122% of the goal. In September 2023 1,000 homes near the Fort Dupont Stream Restoration site were given flyers that promoted RiverSmart Homes and it's connection to the nearby stream restoration project. In November 2023 RiverSmart Homes staff tabled an outreach event for the Oxon Run stream restoration project.</p>	DOEE

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Target Date	Milestone	Description	Staff
31-Dec-23	<p>Milestone: Numeric: Retrofit ten parks and schools for upland Low Impact Development (LID) projects</p> <p>Description: 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 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.</p>	<p>Ongoing: Three schoolyard greening projects will be completed by April 2024. The implementation elements will retain and filter stormwater runoff, incorporate landscape design principles that create habitat for wildlife, emphasize the use of native plants, and highlight water conservation, while having the added benefits of an outdoor classroom that supports effective teaching practices and promotes learning. Schoolyards greening completed in May 2023 are Anacostia High, Lee East End, and Two Rivers Young. The practices installed include multiple bioretention basins, bioswales, tree plantings, cisterns, conservation landscaping gardens, and outdoor classrooms.</p>	DOEE
31-Dec-23	<p>Milestone: 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</p> <p>Description: Through the River Corps and Returning Citizen's Stormwater Workforce Development Program train</p>	<p>Complete and Ongoing: DOEE continued implementation of Green Infrastructure Job Training Program (aimed at youth 18-24) and the Returning Citizens Workforce Development Program. The programs, both administered by grantees, have trained 30 individuals in 2023. These trainees are given the skills and experience to effectively maintain GI and are provided with other training certifications and job search skills to support future employment efforts. The Returning Citizens Workforce Development program will</p>	DOEE

	<p>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.</p>	<p>continue into 2024. The current grant for the Green Infrastructure Job Training program ends in Dec 2023. A new Request for Application (RFA) for the program has also been released in December and the program will continue in 2024.</p>	
<p>31-Dec-23</p>	<p>Milestone: Continue the Anacostia River Sediment Project (ARSP) including advancing the Natural Resource Damage Assessment (NRDA)</p> <p>Description: 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.</p>	<p>On track: DOEE's contractor completed all PDI field activities in Fall 2023, as described in the Final PDI workplans (July 2022). The Basis of Design Report (BODR, November 2023), specifies 30% design for the remediation of the ARSP Early Action Areas (EAAs) in the Washington Chanlee, Kingman Lake, and the Anacostia River Main Stem, and includes refined EAA boundaries. Appendix C of the BODR documents the PDI Field activities. The implementation for cleanup will begin winter 2025/2026, starting with the Washington Channel EAAs. DOEE issued its Baseline/Performance Monitoring Plan in 2023. All reports are available at https://restoretheanacostiariver.com/.</p>	<p>DOEE</p>

Outreach and Engagement Strategies

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Target Date	Milestone	Description	Staff
31-Dec-23	<p>Milestone: Further refine the Community Stormwater Solutions grant program to engage with new partners and embrace equity</p> <p>Description: 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.</p>	<p>Complete and Ongoing: DOEE released a Request for Applications on June 16, 2023, to seek an eligible entity to manage the ongoing Community Stormwater Solutions grant program.</p> <p>DOEE anticipates the grant to be awarded in December 2023. The next round of Community Stormwater Solutions grants is expected to be awarded in late 2024.</p>	DOEE

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Target Date	Milestone	Description	Staff
31-Dec-23	<p>Milestone: Create Story Maps of current projects and programs</p> <p>Description: Develop GIS Story Maps to showcase progress under the MS4 program, State Revolving Fund, and water quality monitoring. Phase III WIP Page 85.</p>	<p>Complete: DOEE developed Story Maps for the 2019-2023 MS4 Annual Reports, found on DOEE's website here: DOEE MS4 Story Maps. The 2023 MS4 Annual Report will be available January 1, 2024. The State Revolving Fund work can be found here: Clean Water Construction StoryMap. DOEE created a public-facing, education tool to report on the health of the District's waterways. The Stream Condition Index can be found here: Stream Condition Index.</p>	DOEE

<p>31-Dec-23</p>	<p>Milestone: Continue to implement strategies to engage residents in under-represented communities and encourage participation in the RiverSmart Homes program</p> <p>Description: 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 practice 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 DEI Statement.</p>	<p>Complete and Ongoing: During the reporting period DOEE had an 80% increase in audits conducted in Wards 7 and 8 while overall audits increased by only 16% across the District over the previous two year period. Between January 1, 2021 and December 31, 2022 DOEE completed 356 audits in Wards 7 and 8 and between January 1, 2022 and December 31, 2023 DOEE completed 646 audits in Ward 7 and 8. DOEE has continued to prioritize projects in Wards 7 and 8 by decreasing wait time for audits and green infrastructure installations. In January 2022 wait times for audits were more than 6 months and by the end of 2023 they decreased to less than 3 months. In addition, wait times for landscaping projects decreased. However, wait times for rain barrels significantly increased due to low inventory issues. DOEE continued to recruit, train and compensate new RiverSmart Homes Ambassadors this reporting period in Wards 7 and 8 including one bilingual Ambassador who is working to engage our Latino/a/x communities and has helped translate during outreach events.</p>	<p>DOEE</p>
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Target Date	Milestone	Description	Staff
31-Dec-23	<p>Milestone: Begin development of comprehensive signage plan for District-owned Best Management Practices.</p> <p>Description: 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.</p>	<p>Complete and Ongoing: DOEE continued to advance efforts towards a comprehensive sign framework for all District-owned green infrastructure (GI). Through a grant managed by DOEE, a design firm has developed signage designs for a variety of green infrastructure types. The signs integrate opportunities for the public to submit maintenance requests via DC's 311 system and will educate District residents and visitors on the benefits of GI. Initial implementation of the signs will occur in 2024.</p>	DOEE

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<p>31-Dec-23</p>	<p>Milestone: Convene green infrastructure maintenance stakeholder workgroup</p> <p>Description: 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.</p>	<p>Complete and Ongoing: DOEE has continued to host a Green Infrastructure Maintenance Workgroup. The group met three times in 2023 with a focus on signage opportunities for all District-owned green infrastructure. In the future the group will morph to discuss other GI Maintenance topics including best design practices, maintenance needs, and additional topics.</p>	<p>DOEE</p>
<p>31-Mar-23</p>	<p>Milestone: Continue to Enhance Watershed Stewards Academy to enhance diversity, equity and inclusion</p> <p>Description: 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.</p>	<p>Completed: DOEE continued supporting grantee Anacostia Watershed Society in incorporating diversity equity and inclusion in the Watershed Stewards Academy. AWS conducted outreach to recruit participants for 2022 and 2023 classes by attending community meetings and meeting directly with partner organizations such as Friends of Anacostia Park to recruit a diverse set of participants. WSA's next course begins in spring 2024.</p>	<p>DOEE</p>

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Target Date	Milestone	Description	Staff
31-Dec-23	<p>Milestone: Convene 4 semiannual watershed partner meetings</p> <p>Description: 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.</p>	<p>Complete and Ongoing:</p> <p>DOEE hosted the fifth and sixth Watershed Partners Meetings in 2023. The Spring meeting took place on May 10, 2023, at Langdon Park in Washington, DC. Our partners at Casey Trees lead a tour of the forest patch with neighborhood champions who have led a climate resiliency program over the past year. Additionally, at the meeting, we debuted and gained feedback on mock-ups of the District's green stormwater infrastructure signage program for your feedback. These signs will be installed around the District to help manage, maintain, and build understanding and support of projects like rain gardens, permeable pavement, and green roofs.</p> <p>The Fall / Winter meeting of the year took place at DOEE HQ on December 7, 2023. During this meeting, DOEE's Equity Committee provided a presentation on DOEE's equity work and then led an interactive activity and discussion.</p>	DOEE
31-Dec-23	<p>Milestone: Relaunch annual restoration contractor vendor forum</p> <p>Description: Bring together landscape and restoration contractors and vendors involved in Environmental Assessments (EA), design and/or construction of Low Impact Development (LID), and/or</p>	<p>On track: DOEE is currently organizing the annual restoration contractor vendor forum which is scheduled for February 2024. This event was pushed back from the original target time frame (Fall 2023) to accommodate participation from the District's Office of Contracting and Procurement (OCP) and to provide for an expanded scope of involvement within the agency.</p>	DOEE

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	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.		
31-Dec-23	<p>Milestone: Finalize outreach strategy to the development community for compliance assistance programs that improve water quality outcomes</p> <p>Description: 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.</p>	<p>Complete: DOEE concluded the grant and received the final report from ULI (Urban Land Institute). DOEE staff are making an implementation plan rollout recommendations from ULI, which include developing new outreach materials, simplifying webpages and current outreach materials, and using outreach material developed during the grant by ULI.</p>	DOEE
Tracking, Reporting, and Monitoring			
31-Dec-23	<p>Milestone: Continue the development of an interface between Stormwater Database and District Department of Transportation (DDOT) Tree Database</p>	<p>Complete and Ongoing: DOEE continues to update and expand the tree species table in SGS as an early step toward making its system compatible to interface with the DDOT Tree Database in the future. In FY22, DOEE integrated an initial version of the tree species table into the process of importing RiverSmart Homes BMPs and enrolling them in RiverSmart Rewards.</p>	DOEE

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	<p>Description: 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.</p> <p>Phase III WIP Page 133.</p>		

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31-Dec-23	<p>Milestone: Continue to implement Surface and Groundwater System Verification Program</p> <p>Description: 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 III WIP Page 63 and 2020 EC DEIJ Statement.</p>	<p>Complete and Ongoing: DOEE continues to use the Surface and Groundwater System (formerly Stormwater Database) to track and verify BMPs across the District and to prioritize maintenance inspections.</p>	DOEE

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Target Date	Milestone	Description	Staff
31-Dec-23	<p>Milestone: Implement District's BMP verification program</p> <p>Description: 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.</p>	<p>Complete and Ongoing: DOEE continues to follow the updated Quality Assurance Program Plans (QAPP) to reflect current verification practices for BMPs. DOEE also works directly with DC Water to support the submission of wastewater data to the CBP Point Source app for the 2023 Progress Submission.</p>	DOEE/ DC Water/ U.S. EPA
31-Dec-23	<p>Milestone: Utilize Monitoring Data</p> <p>Description: 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.</p>	<p>Complete and Ongoing: DOEE continues to review and consider available monitoring data from District waterways to evaluate source of pollution and priorities for BMP implementation. DOEE's monitoring efforts include activities conducted by the Monitoring and Assessment Branch and the Citizen Science Monitoring Program. USGS and WMCOG also conduct waterway monitoring in the District, often in collaboration with and/or funding from DOEE.</p>	DOEE

District of Columbia 2022–2023 Programmatic Water Quality Milestones: Final

Target Date	Milestone	Description	Staff
Federal Facilities			
31-Dec-23	<p>Milestone: Continue to engage major landholding agencies within the District to continue progress towards Phase III WIP strategies and targets</p> <p>Description: 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.</p>	<p>Ongoing: DOEE continues to work with federal agencies to make progress towards Phase III WIP Goals. DOEE has been coordinating directly with the Department of Defense, National Park Service, and General Services Administration in support of the goals. DOEE continues to participate in the Federal Facility Workgroup and Dept. of Defense Chesapeake Bay Commanders Conference to ensure crediting of BMPs on federal lands and proper tracking towards Phase III WIP progress.</p>	DOEE
31-Dec-23	<p>Milestone: Continue to work with federal agencies to acquire and report BMP implementation information</p> <p>Description: 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.</p>	<p>Ongoing: DOEE provided templates annually for federal agencies to submit voluntary BMP implementation data. DOEE received BMP information from Department of Defense and General Services Administration in 2022. DOEE is also coordinating directly with federal agencies to reconcile missing or inaccurate BMP data to ensure proper crediting of BMPs on federal land.</p>	DOEE

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Target Date	Milestone	Description	Staff
31-Dec-23	<p>Milestone: Work with federal agencies and EPA contractors to reconcile Stormwater Database practices with Federal BMP records</p> <p>Description: 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 Surface and Groundwater System (SGS). Phase III WIP Page 135.</p>	<p>Ongoing: DOEE maintains relationships with federal agencies to reconcile Surface and Groundwater System (formerly Stormwater Database) practices with Federal BMP records. DOEE communicated with the Department of Defense (DoD), National Park Service (NPS), and General Services Administration (GSA) on BMP submission efforts for the 2023 progress submission. DOEE continues to request that EPA encourage all federal agencies to provide accurate and complete BMP data and to internally audit their BMP records prior to submission to DOEE.</p>	DOEE
WASTEWATER			
31-Dec-23	<p>Milestone: Place in operation the Northeast Boundary Tunnel Construction</p> <p>Description: Continue construction and place in operation the Northeast Boundary Tunnel ahead of</p>	<p>Complete: The Northeast Boundary Tunnel was placed in service on September 15, providing an additional 90 million gallons of storage for combined sewage and stormwater, that otherwise would overflow into the Anacostia River or contribute to inland flooding during heavy rains.</p>	DC Water

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Target Date	Milestone	Description	Staff
	<p>March 23, 2025 Consent Decree deadline. Phase III WIP Page 42.</p>		
<p>31-Dec-23</p>	<p>Milestone: Start and advance construction of Rock Creek Green Infrastructure Project B</p> <p>Description: 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.</p>	<p>On track: Construction of Rock Creek Green Infrastructure Project B continued in calendar year 2023. Total contract has thirty-seven APPs and nineteen PBRs. Construction of the project is expected to reach completion in Spring 2024.</p>	<p>DC Water</p>
<p>31-Dec-23</p>	<p>Milestone: Issue Request for Proposal (RFP) documents to shortlisted design-build teams and advance the procurement of the Potomac Tunnel design-build contract.</p> <p>Description: 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</p>	<p>Complete: In October 2023 DC Water Board of Directors approved a design-build contract for construction of the Potomac River Tunnel (PRT). The \$819 million contract is the largest ever awarded by the Authority. The 5.5-mile-long tunnel will control combined sewer overflows (CSOs) to the Potomac River, improving water quality in this critical natural resource. This work is part of the larger Clean Rivers Project, a \$2.99 billion program to improve the water quality of the Anacostia and Potomac rivers and Rock Creek by increasing the capacity of the sewer system.</p>	<p>DC Water</p>

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Target Date	Milestone	Description	Staff
	Tunnel design-build contract. Phase III WIP Page 42.		
30-Dec-23	<p>Milestone: Report Blue Plains wastewater and combined sewer system data to the Chesapeake Bay Program (CBP) for required annual reporting</p> <p>Description: 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.</p>	<p>Complete: DC Water and DOEE completed the 2023 Progress Submission for Blue Plains and 8 other active insignificant facilities with the help of the Chesapeake Bay Program's Point Source Application. DOEE met with the CBPO to clarify and refine the submission in January 2024.</p>	DC Water/DOEE
CLIMATE CHANGE/RESILIENCE			
31-Dec-23	<p>Milestone: Begin process to update District's floodplain regulations</p> <p>Description: Explore revision of floodplain regulations to increase the District's resiliency and better prepare the District</p>	<p>Ongoing: DOEE submitted a proposed rulemaking to agency general counsel for review in FY22 and is expecting to make changes in FY24. Major proposed changes include expanding the regulatory floodplain to the 500-year floodplain, increasing the design flood elevation, and establishing a sea level rise buffer.</p>	DOEE

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Target Date	Milestone	Description	Staff
	for climate changes, and begin rulemaking process. Phase III WIP Page 140.		
31-Dec-23	<p>Milestone: Consider regulatory changes to update the District's stormwater performance standards.</p> <p>Description: 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.</p>	<p>Ongoing: DOEE continues to investigate the use of storm sizes projected through the end of the century for BMP design and regulatory compliance, focusing on projected impact to natural systems and the regulated community.</p>	DOEE
31-Dec-23	<p>Milestone: Further develop Climate Resilient Design Guidelines</p> <p>Description: 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.</p>	<p>On track and ongoing: DOEE has performed preliminary investigation on storm sizes projected through the end of the century for BMP design and regulatory compliance, focusing on projected impact to natural systems and the regulated community. Updates to the rules are forthcoming.</p>	DOEE

District of Columbia 2022–2023 Programmatic Water Quality Milestones: Final

Target Date	Milestone	Description	Staff
31-Dec-23	<p>Milestone: Implement a comprehensive heat strategy</p> <p>Description: Finalize a strategy to reduce the urban heat island and better prepare residents for the impacts of extreme heat. Work with District agencies to implement the strategy through various programs including those to increase tree canopy, install green infrastructure, and enhance cooling centers. Phase III WIP Page 142.</p>	<p>Complete: The District published its heat adaptation strategy, Keep Cool DC, in September 2022. To advance the priorities, the DC Department of Energy and Environment is collaborating with other District agencies to increase tree plantings in public spaces, encourage more visitation at cooling centers, and enhance neighborhood parks to include more green infrastructure and cooling features like splash parks. Priority neighborhoods are identified by the District's Heat Sensitivity Exposure Index.</p>	DOEE
31-Dec-23	<p>Milestone: Consider impacts of climate change past 2025 to 2035</p> <p>Description: 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 2021 Management Board Decision.</p>	<p>Ongoing: The District's Climate Ready by 2050 strategy outlines how DOEE agencies will regularly track progress toward achieving our ambitious but essential goal to be climate resilient by 2050. Programs across DOEE are addressing an increased load effect. DOEE has received a Climate Pollution Reduction Grant (CPRG) for climate action planning from the U.S. Environmental Protection Agency (EPA). The Anacostia River Corridor Development Plan, the RiverSmart programs, the SW stormwater parks, and the Oxon Run stream revitalization target increased loads due to climate change. DOEE is monitoring conversations with CBPO as we develop holistic climate goals through 2025 and beyond.</p>	DOEE