

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

Target Date	Milestone & Description	Update	Agency
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>On track: The District achieved 183 acres managed with stormwater BMPs during the MS4 2022 reporting year. The District's average acres managed per year is 265, with a running total of 1,061 acres managed in the current 5-year goal period, exceeding the target of 1,038.</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: 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

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

Target Date	Milestone & Description	Update	Agency
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>On track: DOEE has launched an effort to be the lead agency responsible for the maintenance of District-owned Green Stormwater Infrastructure (GSI) Best Management Practices (BMPs). DOEE has established a Memorandum of Understanding (MOU) with the district Department of General Services (DGS), the main land-managing agency in District, to facilitate and govern this maintenance work and has developed relationships with the District Department of Transportation (DDOT), Department of Parks and Recreation (DPR), District of Columbia Public Schools (DCPS), District of Columbia Public Libraries (DCPL and the District of Columbia Housing Authority (DCHA) whom all have BMPs on lands they oversee.</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>On track: DOEE has awarded a contract to develop and build a database to track maintenance activities of District-owned and operated GSI. The database will be functional in 2023 and will continue to develop additional components to track maintenance work, inspections, and verifications as required for Chesapeake Bay Program reporting.</p>	DOEE

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

Target Date	Milestone & Description	Update	Agency
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 is close to completing an internal review of the updated regulations at the program level and will initiate legal review in January 2023. 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.</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>Ongoing: In 2022, DOEE approved six applications -- three purchase agreements and three subsidy agreements that buy 310,825 SRCs from aggregators and subsidize the sale of 328,772 SRCs to non-DOEE buyers. Applicants were required to identify benefits their project provides for the community and explain how property owners and community members will be engaged in project decision-making.</p>	DOEE

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

Target Date	Milestone & Description	Update	Agency
	<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>On track: DOEE and DDOT staff are working to formalize a streamlined process for GI retrofits to generate SRCs in the PROW through Price Lock Program participants.</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

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

Target Date	Milestone & Description	Update	Agency
	<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>On track and ongoing: DOEE awarded \$29,000 to a grantee under the Co-benefits grant during 2022. The RFA for round 2 will close in February 2023, which will fund multiple projects totaling \$70,000.</p>	DOEE

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

Target Date	Milestone & Description	Update	Agency
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

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

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>On track: The investigation of illicit sources of sewage continues in the Nash Run and Watts Branch sewersheds. 41 potential sources of illicit domestic wastewater discharges were investigated in FY22. Environmental testing and monitoring is ongoing and new potential sources are investigated when identified.</p>	DOEE

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

Target Date	Milestone	Description	Staff
	<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>On track: DOEE now receives SISR submissions from commercial, high-density residential, industrial, educational, and medical facilities in the CSS and MS4 areas. In FY21 DOEE awarded a grant to the Urban Land Institute to find ways to increase the utilization of alternative strategies for compliance with the District's green stormwater infrastructure requirements, particularly through the Stormwater Retention Credit (SRC) program and the Self-Inspection Self-Reporting (SISR) program. Throughout the one-year grant period, ULI conducted individual interviews, hosted virtual workshops, and facilitated focus groups with local stakeholders in industries such as property management, real estate development, and engineering firms.</p>	DOEE

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

Target Date	Milestone	Description	Staff
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: DOEE expects to go to construction with Park Drive in Spring 2023 with completion in Fall 2023. DOEE expects to put the Stickfoot Branch Stream Restoration Project out for bids in Spring 2023.</p>	DOEE

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

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 has developed a solicitation for the designs and construction for the restoration of Linnean Gully which is anticipated to be published in Q2 FY23.</p> <p>DOEE has the Fort Dupont designs at the 60% phase presently and will advance them to 100% designs in 2023 after NEPA compliance has been completed.</p> <p>DOEE has worked with NPS to develop a list of outfalls and streams to restore in Rock Creek Park and is preparing a solicitation for designs and an Environmental Assessment.</p> <p>DOEE has developed a solicitation for the EA, designs, and public engagement phases of the Pinehurst Branch restoration project. Solicitation for procurement will be ongoing in 2023.</p>	DOEE

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

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 will complete NEPA compliance for Fort Dupont Stream & Wetland Restoration in 2023.</p> <p>DOEE commenced the Oxon Run Stream Restoration Design Project in 2022 which includes pre-NEPA work. DOEE expects to commence the formal NEPA compliance process in 2023.</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

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

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 2022 reporting period DOEE planted 6,065 trees. So far the total trees planted in the current 5 year permit period is 32,751, leaving less than 1,000 plantings remaining to hit our 5 year goal. DOEE's average plantings per year is approximately 8,180 trees.</p>	DOEE

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

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: In FY22 DOEE's RiverSmart Homes programs completed 1,078 audits to determine feasibility for green infrastructure practices. The program also completed targeted outreach to individuals in Wards 7 and 8.</p>	DOEE

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

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>On track: During the time period, DOEE completed construction on two stormwater retrofit projects in Parklands: the Hickey Lane, NE submerged gravel wetland located at the US National Arboretum, which treats more than 1.5 acres of impervious cover, and the Hamlin Street, NE retrofit project which includes two bioretentions providing treatment for over 3 acres of area managed. Additionally, DOEE submitted an RFP for two new locations - Dakota Park, and Dwight Mosley Park. Vendor proposals have been received and award is expected by the end of Q2 FY23. DOEE awarded a RiverSmart Schools contract in Q3 FY22. Three (3) selected campuses (Anacostia High, Two Rivers Young, Lee East End) are receiving stormwater retrofit projects and outdoor learning labs in Q2 FY23. Three (3) more selected schools (Takoma EC, Johnson MS, Hendley ES) will receive green stormwater infrastructures and outdoor classroom spaces in Q3 & Q4 FY23.</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</p>	<p>On track: DOEE awarded two grants that train youth and returning citizens on Green Infrastructure maintenance requirements. The programs train up to 30 members annually and are responsible for the maintenance of several District Best Management Practices that help DOEE meet water quality goals. Both grants have been extended to continue work in 2023.</p>	DOEE

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

Target Date	Milestone	Description	Staff
	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.		
31-Dec-23	<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 contractor mobilized their field team to the site in summer 2022 for PDI field activities. They collected surface sediment samples from EAA located adjacent to Fort Dupont and moved to Kingman Lake area. The contractor covered each EAA for refining the remedial footprint and collected engineering parameters to support remedial design. DOEE and its remediation contractor are currently planning the first remedial actions to address contamination in the Anacostia River study area.</p>	DOEE
Outreach and Engagement Strategies			

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

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: The 2022 Community Stormwater Solutions grant RFA closed on September 1, 2022. DOEE received a record-breaking 30 applications totaling \$992,969.09. In 2022, the special focus areas were projects that support (1) the cultivation of Trash Free Communities and (2) advance stewardship, environmental education, restoration, community engagement, and maintenance efforts in neighborhoods within the Oxon Run watershed and Oxon Run Park corridor in the District.</p>	DOEE

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

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 a Story Map for the 2020 MS4 Report found on DOEE's website here: DOEE 2022 MS4 Annual Report (arcgis.com)</p>	DOEE
31-Dec-23	<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.</p>	<p>Ongoing: Between 2001 and 2022 DOEE increased sign-ups for RiverSmart Homes in Wards 7 and 8 by 27% while overall sign-ups across the District decreased by 12%. In 2001 there were 313 sign-ups for RiverSmart Homes in Wards 7 and 8 in 2022 DOEE had 398 sign-ups in Wards 7 and 8. DOEE selected and trained five RiverSmart Homes Ambassadors this reporting period in Wards 7 and 8. These ambassadors provided 19 hours of time and reached approximately 284 community members at four community events and 200 homes were flyered. In an effort to improve the program, the ambassadors provided feedback on the program during the first listening session in September. DOEE has continued to prioritize projects in Wards 7 and 8 by decreasing wait time for assessments and green infrastructure installations.</p>	DOEE

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

Target Date	Milestone	Description	Staff
	Phase III WIP Page 113 and 2020 EC DEIJ Statement.		
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>On Track: DOEE has awarded a grant to a design firm to develop a comprehensive signage plan and framework for all District-owned Best Management Practices (BMPs). The signage will be utilized to identify and report maintenance needs by residents of the District via DC311, track maintenance efforts on a per-BMP basis, and educate the public on the value and utility of BMPs to help meet the District's clean water goals through the deployment of flagship signs. The plan will include design standards and specs for sign fabrication. The plan development will continue in 2023.</p>	DOEE

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

Target Date	Milestone	Description	Staff
31-Dec-23	<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>On Track: DOEE has convened a Green Infrastructure Maintenance Workgroup comprised of relevant District Government agencies, including DGS, DDOT, DPR, DCPS, and external agencies, including DCPL, DCHA and DC Water to meet on topics related to green infrastructure maintenance. The workgroup first met in late 2022 to discuss signage opportunities for all District-owned BMPs.</p>	DOEE
31-Mar-23	<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</p>	<p>Completed: DOEE's grantee AWS organized a capstone/alumni event on September 15, 2022 to reinvigorate past stewards to complete their projects. There were over 20 attendees at the event, which included past stewards talking about their projects, as well as partners such as the Alliance for the Chesapeake Bay who talked about a new capstone pathway, Tree Stewards. AWS conducted outreach to recruit participants for fall 2022 class by attending community meetings and meeting directly with partner organizations such as Friends of Anacostia Park to recruit a diverse set of participants. WSA planned, advertised, and hosted Alumni Capstone event on September 15, 2022 at the Reservoir Center for Water Solutions.</p>	DOEE

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

Target Date	Milestone	Description	Staff
	III WIP Page 63 and 2020 EC DEIJ Statement.		
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>On track: DOEE hosted the fourth watershed partners meeting on May 12, 2022, at the U.S. National Arboretum. In response to partner feedback, this was an in-person restoration walking site tour. Partners joined DOEE in learning about three different restoration projects: Springhouse Run, Hickey Lane, and a RiverSmart Home. The next watershed partner meeting is scheduled to occur in Spring 2023.</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 has begun the planning process for relaunching the annual restoration contractor vendor forum. The forum is targeted to take place in fall 2023.</p>	DOEE

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

Target Date	Milestone	Description	Staff
	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>On track: DOEE concluded the grant and received the final report from ULI. DOEE staff are making an implementation plan roll out 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>On track: 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</p>	DOEE

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

Target Date	Milestone	Description	Staff
	<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. Phase III WIP Page 133.</p>	species table into the process to import RiverSmart Homes BMPs and enroll them in RiverSmart Rewards.	

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

Target Date	Milestone	Description	Staff
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</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

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

Target Date	Milestone	Description	Staff
	Chesapeake Bay Progress Submission. Phase III WIP Page 133.		
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 2021 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 USGS monitoring data provided for District waterways and continues active membership in the Integrated Monitoring Networks Workgroup. DOEE also utilizes the monitoring data undertaken by our Monitoring and Assessment Branch and other programs like our Citizen Science Bacteria Monitoring Program in support of implementation efforts.</p>	DOEE

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

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

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

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 continues to work with federal agencies to reconcile Surface and Groundwater System (formerly Stormwater Database) practices with Federal BMP records. DOEE has been in touch with Department of Defense (DoD), National Park Service (NPS), and General Services Administration (GSA) on BMP submission efforts for the 2022 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>On Track: Construction of Northeast Boundary Tunnel continued in calendar year 2022 and on track to be placed in operation by mid-2023. As of Dec 2022, mining of the tunnel was completed, and work is ongoing at all sites to complete shaft/tunnel connections and surface diversion facilities.</p>	DC Water

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

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 2022. As of Dec 2022, fifteen Alley Permeable Pavement (APP) facilities and four bioretention (PBR) facilities have been completed. Total contract has thirty-seven APPs and nineteen PBRs.</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: Request for Proposal (RFP) for Potomac River Tunnel Contract was issued to shortlisted design-build teams in June 2022. Collaboration is ongoing with shortlisted firms and Notice to Proceed is anticipated in November 2023.</p>	<p>DC Water</p>

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

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 2022 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.</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 has spent 2+ years gathering stakeholder feedback and recently submitted a proposed rulemaking to agency general counsel for review. 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

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

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 is investigating 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: DOEE is investigating 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

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

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: Programs across DOEE are addressing an increased load effect. 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. Additionally, 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.</p>	DOEE