

# Environmental Action Plan Implementation

## Water Resources



## Chapter(s): Water Resources - **Targets**

Lead Department/Staff: TES, AlexRenew, CA  
[Jesse Maines]

**How will these be measured?**

**How will we know when we get there?**

**Do the actions add up to achieving the target? If not, what else needs to be done?**

Chapter / Topic	Target
Enhancement and Restoration	Stormwater will be managed to enhance the quality of local waterways and their ecological, public health, social, and economic benefits, by meeting 70 percent of the City's Chesapeake Bay phosphorus pollution by 2023 ahead of the regulatory requirement
One Water Infrastructure	Meeting current and future, regulatory and infrastructure demands through planning, coordination, and implementation resulting in a safe and adequate drinking water supply, reduced risk of flooding, and improved water quality

## Chapter(s): Water Resources - **Actions**

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**2019: Were these completed? If not, why not?**  
**2020: Are these budgeted? Are they in the staff lead's performance objectives? Is this on track to be completed in FY2020?**  
**2021: What needs to be included in the Manager's proposed 2021 budget?**

	2019	2020	2021
Enhancement and Restoration	None	Create a green infrastructure policy document that details implementation of the citywide approach as policy for implementation of green practices to reduce pollution in urban stormwater	Hire an environmental educator to create and implement educational water resources programs targeted to students and adults.
One Water Infrastructure	None	None	None

## Chapter(s): Water Resources - **Actions**

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**Short-term (2022-23) and mid-term: Is there anything that needs to happen in FY2020 or be budgeted in FY2021 to keep these items on track?**

	Short-term 2022-2023	Mid-term 2024-2028
Enhancement and Restoration	By FY2023, achieve the state and federal mandated nutrient and sediment pollution reductions using the strategies in the Chesapeake Bay Total Maximum Daily Load (TMDL) Action Plan. Exceed the cumulative 40 percent reductions in the 2018 – 2023 MS4 permit to include design and construction of the Ben Brenman / Cameron Station Pond Retrofit and the Lucky Run Stream Restoration. (6.1.1)	By FY2024, develop a Green Infrastructure Program Plan to prioritize projects, increase green infrastructure projects on public and private property, and promote green infrastructure as the leading approach for stormwater management in the City. (6.1.5)
		By FY2025, achieve 100 percent of the state and federal nutrient and sediment pollution reductions using the strategies in the Chesapeake Bay TMDL Action Plan. (6.1.4)

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**Short-term (2022-23) and mid-term: Is there anything that needs to happen in FY2020 or be budgeted in FY2021 to keep these items on track?**

	Short-term 2022-2023	Mid-term 2024-2028
One Water Infrastructure	By FY2022, prepare a plan to improve our National Flood Insurance Program Community Rating System score from a 6 to a 5 to reduce flood insurance rates as the first '5 rated community' in the region for property owners. (6.2.1)	By FY2025, work with Alexandria Renew (wastewater treatment) to implement the Long-Term Control Plan through the RiverRenew initiative that addresses all four combined sewer outfalls and minimizes combined sewer overflows (CSOs). (6.2.4)
	By FY2022, develop the preliminary prioritization for nuisance drainage projects and by FY2023 develop the Drainage and Flooding Projects Prioritization Plan to manage major capital construction projects. (6.2.2)	By FY2028, explore a reclaimed wastewater reuse partnership between the City and Alexandria Renew, including updating the technical and economic feasibility study for using reclaimed wastewater for irrigation of some of the larger open spaces in the city. (6.2.5)
	By FY2023, educate businesses and homeowners in water conservation practices and consider an incentive program (e.g., rebates, fees reductions or tax breaks), and provide outreach to the general public. (6.2.3)	By FY2028, collaborate with Virginia American Water and regional partners to monitor, evaluate, and ensure safe and adequate water supply for the City now, and in the future. (6.2.6)

## Chapter(s): Water Resource - **Legislative Priorities**

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[Jesse Maines]

**Which of these need to be emphasized in our legislative package request?**

- Expand the Virginia Stormwater Best Management Practice (BMP) Clearinghouse list of accepted stormwater quality Best Management Practices to provide localities greater flexibility for development and redevelopment projects, and overall to meet the Chesapeake Bay Total Maximum Daily Load (TMDL) cleanup mandates. Support federal, state, and regional compacts and initiatives to reduce transportation-related greenhouse gas emissions, including support of the Transportation and Climate Initiative.
- Establish a grant program funded by the City to provide reimbursement to property owners for the installation of BMPs on private property.
- Seek state and federal grant funding to offset the cost of implementation of Combined Sewer System Long-Term Control Plan and burden on City rate payers.