

Executive Summary

This Program-level draft environmental impact report (Draft PEIR) is being prepared by the City of Mateo (City) pursuant to Title 14 of California Code of Regulations Section 15168 to identify and analyze the anticipated environmental impacts of two potential Clean Water Program (CWP) alternatives. Each of the two CWP alternatives consists of a series of projects to upgrade and increase the capacity of the City's wastewater treatment plant (WWTP) and collection system. A key Program objective is to address the recurring problem of wet-weather sanitary sewer overflows (SSOs), which have caused violations of federal and state clean water standards.

Each CWP alternative is evaluated at a program-wide level to comprehensively review potential environmental impacts and to provide information to support the selection of a preferred CWP alternative. Individual projects would be further analyzed at a project level of detail prior to implementation. This document also analyzes the first two projects proposed for construction in both CWP alternatives – the New Headworks Project and the Primary Clarifier Project – at a project level of detail, which would allow those projects to proceed immediately into final design and construction. Overall CWP objectives and the intended uses of this Draft PEIR are described in Chapter 1. CWP alternatives and projects, including the two projects analyzed at a project level, are briefly summarized below and described in more detail in Chapter 2.

Program Description

For this Draft PEIR, the Program description includes the two CWP alternatives: the In-System Storage Program and the Full Conveyance Program. Both alternatives are evaluated at an equal level of detail.

- The In-System Storage Program includes construction of one or more underground storage basins upstream of the Dale Avenue Pump Station. Detention of influent flows in the in-system storage basins would reduce the needed capacity and size of downstream pipeline and pump station improvements.
- The Full Conveyance Program includes conveyance of peak wet weather flows to the WWTP. As a result, the WWTP would be sized to handle larger anticipated influent flows. This alternative would require a new Dale Avenue Pump Station as well as larger-capacity pipeline and pump station upgrades compared to the In-System Storage Program.

Under both alternatives, WWTP facilities would be upgraded to handle the peak wet weather influent flows and meet current and future regulatory requirements. The two CWP alternatives are described in Section 2.1, and individual projects are described in detail in Section 2.2.

The two projects analyzed at a project level of detail in this Draft PEIR – the New Headworks Project and the Primary Clarifier Project – are discussed in Section 2.2.2.2. These projects would be the first WWTP projects planned for construction in 2017 as part of either CWP alternative.

Summary of Impacts and Mitigation Measures

Potential environmental impacts are evaluated throughout Chapters 3 through 17 of this document, and are summarized in Table ES-1 at the end of this Executive Summary. Several types of impacts have the potential to occur during the construction and operation of the CWP projects, but all of these potential impacts can be mitigated to a less-than-significant level by following the detailed mitigation prescriptions presented in this document. The exception is noise and vibration impacts due to construction; mitigation measures, including implementing construction noise minimization measures, operating a construction noise hot line, and resolving construction noise complaints, are proposed to reduce these impacts but they are anticipated to be significant after mitigation. Based on the analysis in Chapters 3 through 17, there are no other environmental effects of either CWP alternative, the New Headworks Project, or the Primary Clarifier Project that cannot be mitigated to a less than significant level.

Cumulative and growth-inducing impacts are discussed in Chapter 18. All potential cumulative impacts would be reduced to a less than cumulatively considerable level, except for construction noise and vibration. The CWP would result in significant and unavoidable construction noise and vibration impacts, which would be cumulatively considerable. The CWP would not be expected to induce population growth or result in growth-inducing impacts.

Alternatives

This Draft PEIR evaluates two CWP alternatives, the In-System Storage Program and the Full Conveyance Program, at a programmatic and equal level of detail. In addition, a No Project Alternative and three other program alternatives – partial conveyance of wet weather flows, a conveyance system replacement program, and a natural treatment system – were considered but not carried forward. Table ES-2 provides a summary of the alternatives.

TABLE ES-2

Comparison of Alternatives

Programmatic Environmental Impact Report, City of San Mateo Clean Water Program

Alternative	Major Characteristics	Significant Impacts	Meets CWP Objectives?
In-System Storage Program	One or more underground storage basins upstream of the Dale Avenue Pump Station to detain wastewater flows during peak wet weather events	<ul style="list-style-type: none"> Significant and unavoidable construction noise and vibration impacts All other impacts less than significant with mitigation 	Yes
Full Conveyance Program	New pump station next to the existing Dale Avenue Pump Station and larger pipelines to deliver peak wet weather flows to WWTP.	<ul style="list-style-type: none"> Significant and unavoidable construction noise and vibration impacts. All other impacts less than significant with mitigation. 	Yes
No Project Alternative	Operation of the existing WWTP and collection system continue, similar to current operations.	<ul style="list-style-type: none"> CWP impacts, including construction noise and vibration impacts, avoided. SSOs would continue to occur. Violation of Cease and Desist Order related to the SSOs. Stormwater quality and Bay water quality negatively affected. 	No
Partial conveyance of wet weather flows	Includes both in-system storage for wet weather detention and new Dale Avenue Pump Station for wet weather conveyance. May cost more than either In-System Storage Program or Full Conveyance Program.	<ul style="list-style-type: none"> Significant and unavoidable construction noise and vibration impacts. 	Yes
Conveyance system replacement program	Replacement of all pipelines in City's conveyance system.	<ul style="list-style-type: none"> Significant and unavoidable construction noise and vibration impacts. Would not address all SSOs or aging infrastructure at WWTP. Would not meet current or future regulatory requirements. Would not support creation of opportunities for recycled water use. 	No

TABLE ES-2

Comparison of Alternatives*Programmatic Environmental Impact Report, City of San Mateo Clean Water Program*

Alternative	Major Characteristics	Significant Impacts	Meets CWP Objectives?
Natural treatment system	Constructed treatment wetland used for polishing water from WWTP in lieu of advanced treatment.	<ul style="list-style-type: none"> • Significant and unavoidable loss of wetlands and impacts to special-status wildlife and fish. • Treated wastewater not available for recycled water use. • Significant and unavoidable construction noise and vibration impacts may occur. 	No

Areas of Controversy

The City's primary objective is to select and implement a CWP alternative that results in fully meeting federal and state clean water standards. Both the In-System Storage Program and the Full Conveyance Program are expected to be equally effective in meeting all Program objectives. With the determination that water quality standards will be met with either alternative, the areas of controversy can be summarized as follows.

- The ability of an alternative to allow other City and community objectives to be achieved, such as enabling the City to generate recycled water at the WWTP, increasing WWTP energy efficiency, and "future proofing" new wastewater infrastructure in anticipation of regulatory changes.
- The community's acceptance of concentrating construction activities and project facilities at the WWTP Site.
- The community's acceptance of new large collection projects, including one or more in-system storage basins for the In-System Storage Program and a new pump station for the Full Conveyance Program.

For additional discussion, see the summary of scoping comments in Section 1.3 of this document.

Environmentally Superior Alternative

The No Project alternative is the only alternative to the In-System Storage Program or the Full Conveyance Program that would avoid or substantially lessen the significant and unavoidable construction noise and vibration impacts of the CWP. Therefore, the No Project alternative would be considered the environmentally superior alternative. However, it would not meet any CWP objectives, and would result in significant water quality impacts and conflict with regulatory requirements.

Of the remaining alternatives considered, only the In-System Storage Program or the Full Conveyance Program would meet all CWP objectives. In addition, other alternatives could result in the same or greater impacts. As described above, the In-System Storage Program and the Full Conveyance Program would have very similar impacts in type, scale, and location, and neither is environmentally superior to the other. Therefore, both the In-System Storage Program and the Full Conveyance Program are considered the environmentally superior alternatives.

TABLE ES-1

Summary of Impacts and Mitigation Measures*Programmatic Environmental Impact Report, City of San Mateo Clean Water Program*

Impacts	Mitigation Measures	Level of Significance	
Chapter 3. Aesthetics			
Impact 3-1 The CWP would have a potentially substantial adverse effect on a scenic vista	Mitigation Measure 3-1. Obtain design review approval.	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation
Impact 3-2. The CWP would not damage scenic resources within a state scenic highway.	None required	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	No impact No impact No impact No impact
Impact 3-3. The CWP would have the potential to substantially degrade the existing visual character or quality of the site and its surroundings.	Mitigation Measure 3-1. Obtain design review approval. Mitigation Measure 3-3a. Design lighting to minimize impacts on adjacent areas. Mitigation Measure 3-3b. Provide glare-reducing structure surface painting and treatment.	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation
Impact 3-4. The CWP would have the potential to create a new source of substantial light or glare.	Mitigation Measure 3-3a. Design lighting to minimize impacts on adjacent areas. Mitigation Measure 3-3b. Provide glare-reducing structure surface painting and treatment.	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation
Chapter 4. Air Quality			
Impact 4-1. Construction of the CWP would generate short-term emissions of criteria air pollutants of ROG, NO _x , CO, PM ₁₀ , and PM _{2.5} .	Mitigation Measure 4-1. Implement BAAQMD construction emission control measures.	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation
Impact 4-2. Operation of the CWP may have the potential to cause emissions of criteria air pollutants.	None required	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant Less than significant Less than significant Less than significant

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Summary of Impacts and Mitigation Measures*Programmatic Environmental Impact Report, City of San Mateo Clean Water Program*

Impacts	Mitigation Measures	Level of Significance	
Impact 4-3. The CWP may expose sensitive receptors to substantial pollutant concentrations.	Mitigation Measure 4-1. Implement BAAQMD construction emission control measures.	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation
Impact 4-4. Operation of the CWP may create objectionable odors affecting a substantial number of people.	Mitigation Measure 4-4. Incorporate odor control systems for facilities with odor potential <u>and obtain permits from BAAQMD.</u>	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation
Chapter 5. Biological Resources			
Impact 5-1. Implementation of the CWP could have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species.	Mitigation Measure 5-1a. Perform work during seasonal avoidance windows where feasible. Mitigation Measure 5-1b. Perform pre-construction surveys for special-status wildlife species. Mitigation Measure 5-1c. Protect special-status wildlife species found during construction.	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation
Impact 5-2. Implementation of the CWP could have an adverse effect on riparian habitats.	None required	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant Less than significant No impact No Impact
Impact 5-3. Implementation of the CWP could result in a substantial adverse effect on federally protected wetlands.	Mitigation Measure 5-3a. Provide appropriate offset for fill of jurisdictional wetlands. Mitigation Measure 5-3b. Prepare and implement contingency plan for frac-out.	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation
Impact 5-4. Implementation of the CWP may interfere with the movement of fish or wildlife species.	Mitigation Measure 5-1a. Perform work during seasonal avoidance windows where feasible.	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant with mitigation Less than significant with mitigation No impact No Impact

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Impacts	Mitigation Measures	Level of Significance	
Impact 5-5. Implementation of the CWP could require the removal of heritage trees and potentially conflict with the City of San Mateo Heritage Tree Ordinance.	Mitigation Measure 5-5. Prepare and implement a tree protection plan for heritage trees.	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation
Impact 5-6. Implementation of the CWP would not conflict with provisions of an adopted habitat conservation plan, natural community conservation plan, or other plan.	None required	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	No impact No Impact No impact No Impact
Chapter 6. Cultural Resources			
Impact 6-1. Construction of the CWP could cause a substantial adverse change in the significance of an archeological resource pursuant to CEQA §15064.5.	Mitigation Measure 6-1a. Perform subsurface investigations prior to construction in high- and medium-archaeological sensitivity zones. Mitigation Measure 6-1b. Halt construction if archaeological resources are discovered.	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation
Impact 6.2. Construction of the CWP could cause a substantial adverse change in the significance of paleontological resources.	Mitigation Measure 6-2. Halt construction if paleontological resources are discovered.	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation
Impact 6.3. The CWP would not cause a substantial adverse change in the significance of an historic structure or building pursuant to CEQA §15064.5.	None required	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	No impact No Impact No impact No Impact
Chapter 7. Geology and Soils			
Impact 7-1. Implementation of the CWP could expose people or structures to potential substantial adverse effects involving rupture of a known earthquake fault, strong seismic shaking, and/or seismic-related ground failure, including liquefaction and landslides.	Mitigation Measure 7-1. Perform site-specific geotechnical and engineering studies and implement recommendations.	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation

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Summary of Impacts and Mitigation Measures*Programmatic Environmental Impact Report, City of San Mateo Clean Water Program*

Impacts	Mitigation Measures	Level of Significance	
Impact 7-2. Implementation of the CWP could result in substantial soil erosion or loss of topsoil.	Mitigation Measure 7-2. Comply with regulations and policies for erosion control.	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation
Impact 7-3. Projects constructed under the CWP may be located on a geologic unit or soil that is unstable or that would become unstable as a result of the project, potentially resulting in onsite or offsite landslides, lateral spreading, subsidence, liquefaction, or collapse.	Mitigation Measure 7-1. Perform site-specific geotechnical and engineering studies and implement recommendations.	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation
Impact 7-4. Projects constructed under the CWP may be located on expansive soils, creating substantial risks to property.	None required	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant Less than significant Less than significant Less than significant
Chapter 8. Greenhouse Gases			
Impact 8-1 The implementation of the CWP would generate GHG emissions that could affect the environment.	Measure 4-1. Implement BAAQMD construction emission control measures.	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation
Impact 8-2 The CWP may conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs.	Measure 4-1. Implement BAAQMD construction emission control measures.	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation
Chapter 9. Hazards and Hazardous Materials			
Impact 9-1. Construction of the CWP could expose the public or the environment to hazardous materials through routine use, transport, or disposal of hazardous materials or reasonably foreseeable upset and accident conditions involving the release of hazardous materials.	Mitigation Measure 9-1. Complete testing for asbestos and lead in existing structures.	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation
Impact 9-2. Operation of the CWP could expose the public or the environment to hazardous materials through routine use, storage, transport, and disposal of hazardous materials.	None required	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant Less than significant Less than significant Less than significant

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Impacts	Mitigation Measures	Level of Significance	
Impact 9-3. CWP projects may be constructed in areas containing hazardous materials and could result in a hazard to the public or the environment.	Mitigation Measure 9-3. Perform a Phase I investigation as needed prior to construction and remediate, control, or dispose of contaminated materials as appropriate.	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation
Impact 9-4. Construction and operation of CWP could emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or wastes within 0.25 mile of an existing school.	Mitigation Measure 9-3. Perform a Phase I investigation as needed prior to construction and remediate, control, or dispose of contaminated materials as appropriate.	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation
Impact 9-5. Implementation of the CWP may interfere with an adopted emergency response plan or emergency evacuation plan.	Mitigation Measure 9-4. Coordinate emergency services during construction.	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation
Chapter 10. Hydrology and Water Quality			
Impact 10-1. Implementation of the CWP could reduce groundwater supplies.	None required	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant Less than significant Less than significant Less than significant
Impact 10-2. Construction of the CWP could degrade water quality.	Mitigation Measures 10-2. Install and apply erosion control and stormwater best management practices during construction.	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation
Impact 10-3. Implementation of the CWP could alter drainage patterns or increase the amount of surface runoff.	Mitigation Measures 10-2. Install and apply erosion control and stormwater best management practices during construction. Mitigation Measure 10-3. Develop a stormwater drainage plan.	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation
Impact 10-4. The CWP would place structures within a 100-year flood hazard area that could impede or redirect flood flows.	None required	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant Less than significant Less than significant Less than significant

TABLE ES-1

Summary of Impacts and Mitigation Measures*Programmatic Environmental Impact Report, City of San Mateo Clean Water Program*

Impacts	Mitigation Measures	Level of Significance	
Chapter 11. Land Use			
Impact 11-1. The CWP would include development that could divide an established community.	Mitigation Measure 11-1. Provide pedestrian and bicycle access around the WWTP Site.	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation
Impact 11-2. Implementation of the CWP could conflict with City of San Mateo land use and zoning regulations.	Mitigation Measure 3-1. Obtain design review approval. Mitigation Measure 11-2. Obtain approval for a special use permit for each applicable parcel.	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation
Impact 11-3. Implementation of the CWP would not conflict with habitat or natural conservation plans.	None required	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	No Impact No Impact No Impact No Impact
Chapter 12. Noise			
Impact 12-1. Construction of the CWP could result in generation of noise levels in excess of standards.	Mitigation Measure 12-1a. Develop and implement construction noise minimization measures. Mitigation Measure 12.1b. Operate a construction noise hot line. Mitigation Measure 12.1c. Resolve construction noise complaints.	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Significant and unavoidable impact Significant and unavoidable impact Significant and unavoidable impact Significant and unavoidable impact
Impact 12-2. Operation of the CWP could result in a substantial temporary or permanent increase in ambient noise levels in the project vicinity above levels existing without the CWP.	Mitigation Measure 12-2. Incorporate noise minimization in WWTP facility design.	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation
Impact 12-3. Implementation of the CWP could generate perceptible offsite vibration.	Mitigation Measure 12-3. Incorporate vibration issues into project design.	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Significant and unavoidable impact Significant and unavoidable impact Significant and unavoidable impact Significant and unavoidable impact

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Summary of Impacts and Mitigation Measures*Programmatic Environmental Impact Report, City of San Mateo Clean Water Program*

Impacts	Mitigation Measures	Level of Significance	
Chapter 13. Population and Housing			
Impact 13-1. Implementation of the CWP could induce population growth.	None required	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant Less than significant Less than significant Less than significant
Impact 13-2. Implementation of the CWP would not displace housing or people.	None required	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	No Impact No Impact No Impact No Impact
Chapter 14. Public Services			
Impact 14-1. Implementation of the CWP could affect police or fire services.	Mitigation Measure 9-4. Coordinate emergency services during construction.	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation
Impact 14-2. Implementation of the CWP could affect hospital, schools, or libraries.	Mitigation Measure 9-4. Coordinate emergency services during construction.	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation
Chapter 15. Recreation			
Impact 15-1. The CWP could increase use of existing parks and recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated.	None required	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant Less than significant No impact No impact
Impact 15-2. The CWP may include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment.	None required	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant No Impact No Impact No Impact

TABLE ES-1

Summary of Impacts and Mitigation Measures*Programmatic Environmental Impact Report, City of San Mateo Clean Water Program*

Impacts	Mitigation Measures	Level of Significance	
Impact 15-3. The CWP could affect use of existing parks or recreation facilities, inconsistent with applicable policies.	Mitigation Measure 11-1. Provide pedestrian and bicycle access around the WWTP Site. Mitigation Measure 15-3. Provide park improvements to offset lost uses.	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation
Chapter 16. Transportation and Traffic			
Impact 16-1. Construction of the CWP could conflict with an applicable plan, ordinance, or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways, freeways, pedestrian and bicycle paths, and mass transit.	Mitigation Measure 16.1. Prepare and implement a Traffic Management Plan.	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation
Impact 16-2. Construction of the CWP could conflict with an applicable congestion management program including but not limited to LOS standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways.	Mitigation Measure 16.1. Prepare and implement a Traffic Management Plan.	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation
Impact 16-3. Implementation of the CWP could substantially increase hazards due to a design feature (e.g., sharp curve or dangerous intersection) or incompatible uses.	Mitigation Measure 16.1. Prepare and implement a Traffic Management Plan.	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation
Impact 16-4. Implementation of the CWP could result in inadequate emergency access.	Mitigation Measure 16.1. Prepare and implement a Traffic Management Plan.	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation
Impact 16-5. Implementation of the CWP could conflict with adopted policies, plans, or programs regarding public transit, bicycle, and pedestrian facilities or otherwise decrease the performance or safety of such facilities.	Mitigation Measure 16.1. Prepare and implement a Traffic Management Plan.	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation Less than significant with mitigation

TABLE ES-1

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Impacts	Mitigation Measures	Level of Significance	
Impact 16-6. Operation of the CWP would not result in a significant traffic increase in conflicts with local plans, policies, and ordinances.	None required	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant Less than significant Less than significant Less than significant
Chapter 17. Utilities			
Impact 17-1. Implementation of the CWP would not exceed wastewater treatment requirements of the Regional Water Quality Control Board.	None required	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant Less than significant Less than significant Less than significant
Impact 17-2. Implementation of the CWP includes the construction of additional wastewater treatment facilities and the expansion of existing facilities.	None required	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant Less than significant Less than significant Less than significant
Impact 17-3. Implementation of the CWP may require or result in the construction of new storm water drainage facilities or expansion of existing facilities.	None required	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant Less than significant Less than significant Less than significant
Impact 17-4. Implementation of the CWP could affect water supplies.	None required	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant Less than significant Less than significant Less than significant
Impact 17-5. Implementation of the CWP could affect wastewater treatment capacity.	None required	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant Less than significant Less than significant Less than significant
Impact 17-6. Implementation of the CWP could affect solid waste disposal.	None required	In-System Storage Program Full Conveyance Program New Headworks Project Primary Clarifier Project	Less than significant Less than significant Less than significant Less than significant

TABLE ES-1

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Impacts	Mitigation Measures	Level of Significance	
Impact 17-7. Implementation of the CWP would increase energy use.	Mitigation Measure 4-1. Implement BAAQMD construction emission control measures.	In-System Storage Program	Less than significant with mitigation
		Full Conveyance Program	Less than significant with mitigation
		New Headworks Project	Less than significant with mitigation
		Primary Clarifier Project	Less than significant with mitigation

Notes:

BAAQMD = Bay Area Air Quality Management District

CEQA = California Environmental Quality Act

CWP = San Mateo Clean Water Program

GHG = greenhouse gas

LOS = level of service