



- **Board of Directors**  
***One Water and Adaptation Committee***

3/11/2025 Board Meeting

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7-6

## Subject

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Authorize the General Manager to enter into a Stormwater for Recharge Pilot Program agreement with the City of Anaheim with a maximum amount of up to \$980,000 for the State College Stormwater Tank Project; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA

## Executive Summary

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This letter seeks Board authorization to enter into a Stormwater for Recharge Pilot Program (Pilot Program) agreement with the City of Anaheim (Anaheim) with a maximum amount of up to \$980,000 for the construction and monitoring of the State College Stormwater Tank Project (Project). The proposed Project agreement, if approved, will allow for the reactivation and repurposing of approximately 10,000 linear feet of large-diameter abandoned wastewater pipe for stormwater runoff treatment, capture, and infiltration, and performs a minimum of three years of stormwater recharge monitoring and reporting. The proposed Project agreement would quantify stormwater capture and its relationship to water supply yield, which will contribute to the Metropolitan's evaluation and understanding of the potential water supply benefits delivered by stormwater capture projects throughout the service area.

## Proposed Action(s)/Recommendation(s) and Options

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### Staff Recommendation: Option #1

#### Option #1

Authorize the General Manager to enter into a Stormwater for Recharge Pilot Program agreement with the City of Anaheim with a maximum amount of up to \$980,000 for the State College Stormwater Tank Project.

**Fiscal Impact:** Total costs of \$980,000 budgeted funds for eligible Project expenses and a three-year monitoring and reporting period. These payments will be taken from the approved \$7.5 million Recharge Pilot Program budget (Minute Item 51793, dated November 5, 2019; Water Stewardship Fund).

**Business Analysis:** The Project agreement would help Metropolitan achieve the Recharge Pilot Program goal of understanding the relationship between stormwater capture and the water supply benefit of stormwater.

#### Option #2

Do not authorize the execution of an agreement for the State College Stormwater Tank Project.

**Fiscal Impact:** None

**Business Analysis:** Metropolitan would pursue other projects, and it may take longer to meet the goals of the Recharge Pilot Program.

## Alternatives Considered

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Not applicable

## Applicable Policy

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Metropolitan Water District Administrative Code Section 8121: General Authority of the General Manager to enter Contracts

Metropolitan Water District Administrative Code Section 11104: Delegation of Responsibilities

## Related Board Action(s)/Future Action(s)

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- Authorize \$7.5 million for a Stormwater for Recharge Pilot Program for developing and monitoring of stormwater for recharge projects (Minute Item, dated November 4, 2019; Water Planning and Stewardship Committee)
- Stormwater for Recharge Pilot Program agreement with Inland Empire Utilities Agency for the construction and monitoring of the Montclair Basins Improvement Project (Minute Item 52409, dated June 8, 2021; Water Planning and Stewardship Committee)
- Stormwater for Recharge Pilot Program agreement with Western Municipal Water District for the enhanced monitoring of the Victoria Recharge Basin Project (Minute Item 52271, dated February 9, 2021; Water Planning and Stewardship Committee)
- Stormwater for Recharge Pilot Program agreement with Central Basin Municipal Water District and the City of Bell Gardens (Minute Item 52272, dated February 9, 2021; Water Planning and Stewardship Committee)

## California Environmental Quality Act (CEQA)

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### CEQA determination for Option #1:

The proposed action is exempt from CEQA because it involves the operation and minor alteration of existing public structures, facilities, and mechanical equipment involving negligible or no expansion of existing or former use and no possibility of significantly impacting the physical environment. (State CEQA Guidelines Section 15301.) The proposed action is exempt from CEQA because it consists of replacement or reconstruction of existing structures and facilities where the new structure will be located on the same site as the structure replaced and will have substantially the same purpose and capacity as the structure replaced. (State CEQA Guidelines Section 15302.)

### CEQA determination for Option #2:

None

## Details and Background

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### Background

Metropolitan's Integrated Water Resource Plans have indicated the need for the development of a diverse regional resource portfolio that emphasized local supply development. Over the years, Metropolitan has played an active role in the development of those local supplies through different approaches and programs developed over the years. Since 1982, Metropolitan has provided incentives to its member agencies to develop local projects through the Local Resources Program (LRP). Local stormwater capture projects currently are not funded through the LRP in part due to the need to have a better understanding of the connection between captured stormwater and yield. To clarify this connection, Metropolitan developed the Stormwater Pilot Program (Pilot Program). Participants of the Pilot Program develop stormwater capture projects with the intention to measure the quantity of stormwater runoff capture and how the captured stormwater provides for new usable groundwater yields. The Board approved the Pilot Program on November 5, 2019 (Board Letter 8-3). The Pilot Program application process launched on March 27, 2020. Agencies may submit applications to install monitoring equipment on existing projects or construct new projects. To date, the Pilot Program has received six applications, two for monitoring equipment installation and four for new construction projects.

**Proposed Project**

The City of Anaheim plans to reactivate approximately 10,000 linear feet of abandoned large-diameter wastewater pipe beneath State College Boulevard, between Orangewood and Wagner Avenues, to treat, capture, and infiltrate stormwater runoff. The Project will involve diverting stormwater flows to a hydrodynamic separator for pre-treatment before being discharged into the repurposed wastewater infrastructure. This will help reduce the burden on the overtaxed OCFCD E12 facility, assist the City in meeting Trash Capture MS4 requirements, and recharge the Orange County Aquifer with treated stormwater. By capturing and infiltrating a portion of stormwater flows from Sub-District 27, the Project will also reduce untreated runoff entering downstream watercourses and lessen total runoff volumes.

The Project is estimated to have the ability to capture approximately 65.8 acre-feet of stormwater annually, or 3,290 acre-feet over the Project's 50-year lifespan. Key components of the Project include the construction of a diversion structure to redirect runoff, the installation of an in-line stormwater treatment system to remove trash and sediment, and the construction of junction structures to connect to the State College tank. Additionally, wireless monitoring devices will be installed to track the amount of stormwater captured and recharged, and four existing manholes will be modified with clean-out orifice systems to regulate flow. The installation of 25 dry wells along the existing wastewater line will facilitate groundwater infiltration.


To monitor the effectiveness of the system, the City will install automated flow monitors in manholes along the wastewater line to measure both wet and dry weather flow rates. These measurements will help assess the volume of stormwater being infiltrated into the groundwater aquifer. The Project’s modeling approach involves using the Hydraflow Hydrographs Extension for AutoCAD Civil 3D to predict the volume of stormwater and dry-weather runoff to be captured. These estimates will be compared with real-time data from the flow monitors to verify the accuracy of the modeled infiltration rates. This data will be used to optimize the system’s performance over time and ensure the targeted groundwater recharge is achieved.

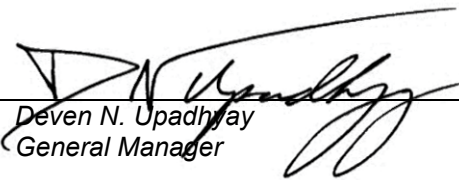
**Funding Structure**

The funding includes two components: construction and ongoing monitoring and reporting. This Project has requested funding for construction, monitoring, and reporting for a total of \$980,000

<b>Component</b>	<b>Metropolitan</b>	<b>Anaheim</b>	<b>Total Project</b>
Construction	\$850,000	\$1,509,090	\$2,359,090
Monitoring and reporting	\$130,000	\$0	\$130,000
<b>Total</b>	<b>\$980,000</b>	<b>\$1,509,090</b>	<b>\$2,489,090</b>

Staff recommends approval of the funding agreement as this Project is consistent with the objectives of the Board-approved Pilot Program.

  
 \_\_\_\_\_ 2/25/2025  
*Brandon J. Goshi* Date  
*Interim Manager,*  
*Water Resource Management*

  
 \_\_\_\_\_ 2/25/2025  
*Deven N. Upadhyay* Date  
*General Manager*