



STAFF REPORT

Meeting Type: Board of Directors
Title: 2025 Urban Water Management Plan and Water Shortage Contingency Plan
From: Paul Sellier, Director of Water Resources
Through: Ben Horenstein, General Manager
Meeting Date: July 21, 2026

TYPE OF ITEM: X Action Information

RECOMMENDATION: (1) Conduct a Public Hearing on the draft 2025 Urban Water Management Plan (UWMP) and Water Shortage Contingency Plan (WSCP), (2) Approve a resolution to adopt the 2025 Urban Water Management Plan and a resolution to adopt the Water Shortage Contingency Plan, and (3) Authorize the General Manager to finalize and submit the Plans to the Department of Water Resources

SUMMARY: In 1983, the California Legislature enacted the Urban Water Management Planning Act (Act) that requires an urban water supplier to adopt an Urban Water Management Plan (UWMP) every five years demonstrating water supply reliability in normal, single dry, and multiple dry years. In this update of the UWMP, population, demand projections, and supply availability are evaluated over the planning horizon from 2030 through 2050. A public hearing of the 2025 UWMP and WSCP was held on June 16, 2026. Based on comments received during the June public hearing, staff prepared an amended draft 2025 UWMP and WSCP which includes proposed revisions to potable water demand and conservation measures based on the implementation of Advanced Metering Infrastructure (AMI). Staff will present an overview of the District's amended 2025 UWMP and WSCP and following staff's presentation, a public hearing will be conducted. The Board will then consider approval of resolutions adopting the draft UWMP and WSCP and authorizing the General Manager to finalize and submit the Plans to the Department of Water Resources.

DISCUSSION: Every five years, urban water suppliers in California are required by State law to prepare an Urban Water Management Plan (UWMP), which is a prescriptive planning document intended to help ensure that adequate water supplies are available to meet existing and future water needs within the service area.

A public hearing of the draft 2025 UWMP and WSCP was held on June 16, 2026. Staff reviewed comments received during the June public hearing and prepared an amended draft 2025 UWMP. Revisions to the amended draft UWMP include Advanced Metering Infrastructure (AMI) as a future active water conservation measure, which represents a shift in long-standing planning methodology.

Prior UWMPs have excluded future active conservation measures due to general uncertainty of long-term implementation and effectiveness over the extended 25-year UWMP planning horizon. However, in the amended 2025 UWMP, a new active conservation measure for the District's approved AMI project and its associated water savings have been included in the calculation of projected potable water demands from 2030 through 2050.

The District has prepared the amended draft 2025 UWMP in accordance with the requirements outlined in California Water Code §§10608–10657 and in accordance with Department of Water Resources (DWR) guidelines. Key elements of the plan include the District's water system, demand projections, existing and future water supply, water supply reliability, water shortage contingency plan, and demand management programs. These requirements include evaluations of current and projected water supplies and demands over the next 25 years during normal and drought years, as well as water reliability analysis and conservation efforts in the District's service area.

Water Demand Projections

The Association of Bay Area Governments (ABAG) population projections provide the basis for demand forecast and include the updated Regional Housing Needs Assessment growth rates for the 2025 UWMP. ABAG projections include an increase of total population in the District's service area from approximately 188,116 in 2025 to 230,680 by 2035 and 247,674 by 2050. Demand projections take into account the ABAG population growth through 2050 and based on discussion at the prior public hearing now also take into account active water conservation achieved through implementation of AMI. Phased AMI implementation is anticipated to occur between 2027-2035, resulting in an estimated potable water savings of 2% (520 AFY) by 2030 and 4.5% (1244 AFY) through 2035 and beyond as full deployment occurs.

No changes were made to the demand factors for Single-family or Multi-family because these factors were selected based on the last stable demand period, 2017-2019. The years following 2019 were all affected by unusual circumstances that impacted demand. In 2020, Covid resulted in high numbers of people staying home and potable demand spiked to the highest level in many years. The severe drought of 2020/2021 resulted in a declaration of a water shortage emergency and the implementation of demand management measures, which decreased potable demand. While 2022 provided relief from drought conditions, the effects of demand management continued to result in lower demand. The District also implemented an increase in rates over the next 4-years resulting in continued lower demand. The demand assessment for this report was performed before the end of calendar year 2025 and as such the 2025 data was not available to support this UWMP. The 2017-2019 period is therefore the most recent stable period for evaluating demand factors for long range planning required by the UWMP. Using these demand factors results in a potable demand that is approximately 10% higher than potable demand in 2024.

Another factor in forecasting future demand is determining how many single-family units will be constructed versus the number of multi-family units. Multi-family units are typically more efficient in their use of water, therefore if more multi-family units are constructed there will be an overall lower potable demand than if those were constructed as single-family residences. The existing housing in the District's service area is approximately 90% single-family and it appears that this ratio of single-family to multi-family is changing in favor of multi-family. Given this information, staff continues to propose using a ratio of 50% single-family to 50% multi-family. Use of this ratio recognizes that the transition

from single-family to multi-family residences will take time. The District will reassess this factor every five years as subsequent UWMPs are prepared.

Water Supply Reliability

The UWMP regulations prescribe three scenarios for evaluating a water provider's available supply and its associated reliability. These reliability analyses include modelling a single normal year, a single drought year, and a 5-year drought. Each of these scenarios is based on historic local hydrology. Based upon the UWMP prescriptive guidelines, the District has enough water to meet the forecasted demand without additional water supplies over the 25-year UWMP planning horizon. However, during the 2020/2021 drought the District was faced with a severe shortage and began making plans for an emergency water supply project. The prescribed UWMP guidelines fail to reflect this vulnerability to drought conditions. To more accurately reflect this vulnerability to drought, the District has included an alternate stress test scenario in the UWMP as described below.

The UWMP allows an alternative supply scenario in addition to the three prescriptive scenarios described above. For the 2025 UWMP, staff included a drought scenario based on the hydrologic data taken from the Strategic Water Supply Assessment (SWSA) and combined this with the demand forecast in the 2025 UWMP. After accounting for additional water savings through the implementation of AMI, results of this alternative 4-year drought scenario indicate low reservoir storage levels in years two and three and a supply shortfall in the final year indicating that additional supply is needed to assure resiliency in the face of climate change and severe drought.

Water Shortage Contingency Plan

The primary objective of the Water Shortage Contingency Plan is to ensure that the District has a plan in place with resources and management responses needed to protect health and human safety, minimize economic disruption, and preserve environmental and community assets during water supply shortages and interruptions. The current WSCP was updated in response to the last drought and previously adopted by the Board in 2024 and it continues to provide appropriate action levels, response actions, and supply benefits that will support the District in a future water shortage. No changes to the existing WSCP are proposed at this time. While no changes to the Water Shortage Contingency Plan (WSCP) are recommended at this time, the WSCP must be re-adopted alongside the 2025 UWMP.

ENVIRONMENTAL REVIEW: Not applicable.

FISCAL IMPACT: None.

ATTACHMENT(S):

1. Draft Resolution Adopting the 2025 UWMP
2. Draft Resolution Adopting the WSCP
3. Amended DRAFT 2025 UWMP and WSCP

DEPARTMENT OR DIVISION	DIVISION MANAGER	APPROVED
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Water Resources



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Water Resources Director



Ben Horenstein
General Manager