

**SEASIDE GROUNDWATER BASIN
WATERMASTER REGULAR MEETING
OF THE BOARD OF DIRECTORS
DRAFT AGENDA**

**Wednesday, July 1, 2026–2:00pm HYBRID
City Hall, City of Sand City
1 Pendergrass Way, Sand City, CA 93955**

To access the meeting virtually, please click on the Zoom link or copy/paste it into your browser:

<https://us06web.zoom.us/j/9441495797?pwd=mlRjLWc0enkccCyuoshIcxledU9mG3.1&omn=88460718807>

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If you would like to comment on any item on the Agenda or any item not on the Agenda, please submit those in writing to our office or via email at watermasterseaside@sbcglobal.net by 10 a.m. on the day before the Board meeting. All submitted written comments will be provided to the Board and you may also comment during the meeting.

Watermaster Board

City of Sand City—Mayor Mary Ann Carbone—Chair

City of Del Rey Oaks—Council Member Kim Shirley—Vice Chair

Coastal Subarea Landowner—Director Paul Bruno

City of Seaside—Mayor Ian Oglesby

California American Water (CAW)—Director Spencer Vartanian

Monterey Peninsula Water Management District (MPWMD)—Director George Riley

Laguna Seca Subarea Landowner—Director John Gaglioti

City of Monterey—Council Member Kim Barber

Monterey County/Monterey County Water Resources Agency—Supervisor Wendy Root Askew, District 4

- I. **CALL TO ORDER** – Please note new contact information for Watermaster in the footer of the agenda. Email address remains watermasterseaside@sbcglobal.net.
- II. **ROLL CALL**
- III. **PUBLIC COMMUNICATIONS**
Oral communications are on each meeting agenda to provide members of the public an opportunity to address the Watermaster on matters within its jurisdiction. Matters not appearing on the agenda will not receive action at this meeting but may be referred to the Watermaster Administrator or may be set for a future meeting. Presentations will be limited to three minutes or as otherwise established by the Watermaster. In order that the speaker may be identified in the minutes of the meeting, it is helpful if speakers state their names.

IV. REVIEW OF AGENDA AND ANNOUNCEMENTS

A vote may be taken to add to the agenda an item that arose after the 72-hour posting deadline pursuant to the requirements of Government Code Section 54954.2(b). (a 2/3-majority vote is required)

V. ORAL PRESENTATION – None

VI. CONSENT CALENDAR

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B. Summary of Payments made March 2026–May 2026	7
C. Fiscal Year 2026 Financial Reports through May 31, 2026.....	9

VII. NEW BUSINESS

A. Recommendation for updating the Seaside Basin Groundwater Model	11
B. Consider approval of Montgomery & Associates RFS No. 2026-03	13

VIII. UNFINISHED BUSINESS

A. Approval of Water Production Amount for Mission Memorial During Unmetered Period (October 2025- January 2026).....	21
B. Water Year 2026 RE-Declaration of Unavailability of Artificial Replenishment Water (Water Year 2026 Production Allocations and Basin Storage Allocations attached)	27

IX. INFORMATIONAL REPORTS (No Action Required)

A. Watermaster Report of Water Year 2026 Quarter 2 Production of the Seaside Basin (January 1, 2026 – March 31, 2026)	33
B. Sustainable Groundwater Management Act Monthly Update June 2026.....	35
C. Letter of Support for City of Seaside Project.....	47
D. Proposed New Monitoring Well Near Sentinel Well No. 4.....	49

X. DIRECTOR REPORTS

XI. STAFF COMMENTS

XII. CLOSED SESSION – No closed session is scheduled; however, it may be held if needed.

XIII. The Watermaster will consider a motion to adjourn to the next regular Watermaster Board meeting to be held on Wednesday, October 7, 2026, at 2:00 P.M.

This agenda was forwarded via email to the City Clerks of Seaside, Monterey, Sand City, and Del Rey Oaks; the Clerk of the Monterey Board of Supervisors, the Clerk to the Monterey Peninsula Water Management District; the Clerk at the Monterey County Water Resources Agency, Monterey One Water, and California American Water Company for posting on or before June 28, 2026, per the Ralph M. Brown Act, Government Code Section 54954.2 (a).

**SEASIDE GROUNDWATER BASIN WATERMASTER
REGULAR MEETING MINUTES - DRAFT**

Wednesday, April 1, 2026

City of Sand City, City Hall, 1 Pendergrass Way, Sand City, CA 93955 (Hybrid)

I. CALL TO ORDER – The meeting was called to order at 2:01 p.m.

II. ROLL CALL

Directors Present:

City of Sand City – Mayor Mary Ann Carbone, Chair

City of Del Rey Oaks – Council Member Kim Shirley, Vice Chair

City of Seaside – Mayor Ian Oglesby, *seated at 2:15 p.m.*

City of Monterey – Council Member Kim Barber

Monterey County/Water Resources Agency – Supervisor Wendy Root Askew

Coastal Subarea Landowner – Director Paul Bruno

Monterey Peninsula Water Management District (MPWMD) – Director George Riley

California American Water (CAW) – Director Spencer Vartanian

California American Water (CAW) – David Pezzini, *alternate **

Directors Absent:

Laguna Seca Subarea Landowner – Director John Gaglioti

Others Present:

Bob Jaques, Watermaster Technical Program Manager (TPM)

Toni Gibbs, Watermaster Administrative Officer (AO)

Laura Paxton, former Watermaster AO

Jeff Warren, Klein, DeNatale, Goldner, Cooper, Rosenlieb & Kimball, LLP *

Andreas Baer, Senior Engineer, City of Seaside

Mike McCullough, Assistant General Manager, MPWMD

Kevin Dayton

Nick McIlroy, Planning Manager, City of Sand City

Charly Liscomb, Marina Coast Water District

An asterisk () signifies virtual attendance*

III. PUBLIC COMMUNICATIONS – There were no public communications.

IV. REVIEW OF AGENDA AND ANNOUNCEMENTS – There were no changes to the agenda requested.

V. ORAL PRESENTATIONS – There were no oral presentations.

VI. CONSENT CALENDAR

A. Minutes of Regular Board meeting held on January 7, 2026

B. Summary of Payments made December 2025–February 2026

C. Fiscal Year 2025 and 2026 Financial Reports through February 28, 2026

D. Consider Retroactively Approving Minor Transfers for the 2025 Monitoring and Management Program (M&MP) Operations Budget

E. Consider approving Resolution 2026-01, a Resolution of Appreciation to

Laura Paxton for Her Service to the Watermaster
Public Comments: None received.

It was moved by Director Barber, seconded by Director Askew, and unanimously carried 8-0 to approve Consent Calendar Items as presented.

VII. NEW BUSINESS

A Consider Approving Personnel Change to Watermaster Legal Services

The Board reviewed and discussed the AO transmittal report, which introduced Mr. Jeff Warren, an attorney for Klein, DeNatale, Goldner, Cooper, Rosenlieb & Kimball, LLP, as the proposed replacement for Mr. Joe Hughes, the current attorney for the Watermaster. Mr. Hughes had notified the Watermaster that his last day would be June 30, 2026, and he recommended Mr. Warren as his replacement. AO Gibbs and TPM Jaques provided favorable recommendations for Mr. Warren based on their interview with him on March 20, 2026. Mr. Warren, attending virtually, introduced himself and described his extensive experience with GSAs and adjudicated basins.

Dr. Barber asked whether the budget allocation for legal services would change. AO Gibbs replied that the money allocated for Mr. Hughes had not been used yet and because Mr. Warren was with the same firm, the budget and fees would remain the same, and that Mr. Warren could assume Mr. Hughes's position without changing the contract with the firm. In response to a question from Dr. Barber, Mr. Jaques responded that no new RFP would be sent out because the selection of Mr. Warren's firm had already included an RFP.

Public Comments: None received.

It was moved by Director Bruno and seconded by Director Askew to approve Mr. Jeff Warren as the new legal counsel for the Watermaster. The motion was unanimously approved 8-0.

B. Consider Approving a Revision to the Rules and Regulations to Add a Policy for Production without a Working Meter

The Board held an extensive discussion regarding a proposed revision to the Rules and Regulations to establish a policy for estimating water production when a producer's meter is non-functional. The Board discussed a current violation involving Mission Memorial Park, which was without a working meter from October 2025 to February 2026.

Public Comment: Mike McCullough suggested that a peer comparison be used to determine the amount produced during the time Mission Memorial's meter was not working. He thought that the production from the nearby golf course might be a close estimate to what Mission Memorial produced during that time.

It was moved by Director Bruno, seconded by Director Oglesby, and unanimously carried to accept a substitute motion to direct staff to use the draft language and to see

if a "peer comparison" (using data from neighboring properties like golf courses) as a guide would be helpful in resolving the specific issue with Mission Memorial first. The experience will be helpful in developing a finalized policy to be brought back to the Board at a later date.

C. Present Resolution 2026-01, a Resolution of Appreciation to Laura Paxton for Her Service to the Watermaster

The Board presented a formal resolution honoring Laura Paxton for her 20 years of service (2007–2025) as CEO Assistant and Administrative Officer. Directors commended Ms. Paxton for her meticulous record-keeping, her ability to keep the Board on track through complex adjudications, and her support during leadership transitions. It was noted that Toni Gibbs has assumed the role of Administrative Officer, with Ms. Paxton assisting during the handoff. Chair Carbone presented Ms. Paxton the certificate and a parting gift.

Public Comment: None received

VIII. INFORMATIONAL REPORTS (No Action Required)

- A. Watermaster Report of Water Year 2026 Production of the Seaside Basin (October 1, 2025 – December 31, 2025)
- B. Response to Andreas Baer's Queries about the City of Seaside's Production for Water Year 2024/2025

Public Comment: Kevin Dayton said that he was impressed that someone was able to identify an error in the production reports, which are extremely detailed and are one of the best sources of water data in Monterey County.

- C. Installing a New Shallow Monitoring Well Near Sentinel Well No. 4
- D. Deep Aquifers Monitoring Plan Water Quality Testing

IX. DIRECTOR REPORTS – None

X. STAFF COMMENTS – None

XI. CLOSED SESSION – None

XII. ADJOURNMENT – There being no further business, the meeting was adjourned at 3:13 p.m. to the next regular Board meeting on Wednesday, May 6, 2026 – 2:00 p.m. in the City of San Diego Council Chambers, in person and remote.

Respectfully submitted by Toni Gibbs, Board Secretary

Seaside Groundwater Basin Watermaster

Item VI.B
7/1/2026

Summary of Payments

March 1-May 31, 2026

TRANSACTION TYPE	DATE	NUM	NAME	MEMO	AMOUNT
City of Seaside Finance					
Monitoring & Mgmt Ops Fund					
Check	03/31/2026	260331RJ	Robert Jaques	TPM 3/01/26-3/31/26 Vendor # 6477	-4,287.50
Check	03/31/2026	260331MA-01	Montgomery & Associates	RFS# 2026-01 2026 General Hydrogeologic Consulting - Prepare change in storage calculations and tech memo	-1,847.00
Check	03/31/2026	260331MPWMD	MPWMD	INV00475 Jan - March 2026	-9,273.00
Check	04/30/2026	260430RJ	Robert Jaques	TPM 4/01/26-4/30/26 Vendor # 6477	-5,600.00
Check	04/30/2026	260332MA-01	Montgomery & Associates	RFS 2026-01 2026 General Hydrogeologic Consulting April 01, 2026 - April 30, 2026 - G King 1hr @ \$273/hr	-273.00
Check	05/31/2026	260531RJ	Robert Jaques	TPM 4/01/26-5/31/26 Vendor # 6477	-2,712.50
Check	05/31/2026	260531MA-01	Montgomery & Associates	RFS 2026-01 2026 Gen Hydrogeologic Consult 5/1/26 - 5/31/26 G King 1hr @ \$273/hr	-273.00
Total for Monitoring & Mgmt Ops Fund					-
					\$24,266.00
Administrative Fund					
Check	03/31/2026	260331TG	Gibbs, Toni	AO services from March 1 through March 31, 2026	-7,897.50
Check	03/31/2026	260331LP	Paxton Associates	AO services 03/01/26-03/31/26	-1,781.25
Check	04/30/2026	260430KDG	Klein DeNatale Goldner	General Business: Professional Services (Invoice # 1266166)	-1,402.50
Check	04/30/2026	260430LP	Paxton Associates	AO support 04/01/26-04/30/26 Invoice 1703	-312.50
Check	04/30/2026	260430TG	Gibbs, Toni	AO services 4/1/2026-4/30/2026 Invoice 1007	-4,436.07
Check	05/31/2026	260531TG	Gibbs, Toni	AO services 5/1/2026-5/31/2026 Invoice 1008	-3,292.65
Total for Administrative Fund					-
					\$19,122.47
Total for City of Seaside Finance with sub-accounts					-
					\$43,388.47
TOTAL					-
					\$43,388.47

Seaside Groundwater Basin Watermaster
Budget vs. Actual Administrative Fund
 Fiscal Year (January 1 - December 31, 2026)
 Balance through May 31, 2026

	<u>2026 Adopted Budget</u>	<u>Contract Amount</u>	<u>Year to Date Revenue / Expenses</u>
Available Balances & Assessments			
Other Assessments	-		
FY (Rollover)	64,300.00		64,300.00
Admin Assessments	57,200.00		57,200.00
Replenishment Assessments	8,112.00		8,112.00
Available	<u>129,612.00</u>		<u>129,612.00</u>
Expenses			
Contract Staff	84,000.00	84,000.00	36,212.76
Legal Counsel		12,500.00	
General	12,500.00		1,402.50
Replenishment	8,112.00 *		-
			<u>1,402.50</u>
Filing fees and postage			22.45
Total Expenses	<u>104,612.00</u>	<u>96,500.00</u>	<u>37,637.71</u>
Total Available	25,000.00		
Dedicated Reserve	<u>25,000.00</u>		<u>-</u>
Net Available	<u>-</u>		<u>91,974.29</u>

* \$8,112.00 Replenishment related legal and administrative costs will be covered by funds transferred into the Administrative Fund from the Replenishment Assessment Fund

Seaside Groundwater Basin Watermaster
Budget vs. Actual Monitoring & Management - Operations Fund
Fiscal Year (January 1 - December 31, 2026)
Balance through May 31, 2026

	2026 Adopted Budget	Contract Encumbrance	Year to Date Revenue/Expenses
Available Balances & Assessments			
Operations Fund Assessment	\$ 225,000.00	\$ -	\$ 225,000.00
Pass Through		-	-
FY 2025 Rollover (estimated)	266,606.00	-	266,606.00
Total Available	\$ 491,606.00	\$ -	\$ 491,606.00
Appropriations & Expenses			
GENERAL			
Technical Project Manager Contingency	\$ 75,000.00	\$ 75,000.00	\$ 23,100.00
@ 10% (not including TPM)	54,340.00		
Total General	\$ 129,340.00	\$ 75,000.00	\$ 23,100.00
CONSULTANTS (Montgomery; Web Site Database)			
Program Administration	\$ 17,914.00	\$ 18,478.00	\$ 3,621.50
Production/Lvl/Qlty Monitoring	-		
Basin Management	174,436.00		
Seawater Intrusion Analysis Report (SIAR)	36,346.00	36,346.00	682.00
Seawater Intrusion Response Plan	25,000.00		-
Total Consultants	\$ 253,696.00	\$ 54,824.00	\$ 4,303.50
MPWMD			
Production/Lvl/Qlty Monitoring	\$ 84,506.00	81,506.00	9,273.00
Basin Management	-		-
Seawater Intrusion	-	-	-
Direct Costs	-	-	-
Total MPWMD	\$ 84,506.00	\$ 81,506.00	\$ 9,273.00
CONTRACTOR (Martin Feeney)			
Hydrogeologic Consulting Services	\$ 4,000.00	4,000.00	630.00
Production/Lvl/Qlty Monitoring		-	-
	\$ 4,000.00	\$ 4,000.00	\$ 630.00
CONTRACTOR (Gus Yates)			
Hydrogeologic Consulting Services	\$ 4,000.00	\$ 4,000.00	1,375.00
CONTRACTOR (Subsurface Imaging)			
Hydrogeologic Consulting Services	\$ 15,500.00	\$ 15,500.00	-
Total Appropriations & Expenses	\$ 491,042.00	\$ 234,830.00	\$ 38,681.50
Total Available	564.00		452,924.50

SEASIDE GROUNDWATER BASIN
WATERMASTER

TO: Board of Directors

FROM: Robert Jaques, Technical Program Manager

DATE: July 1, 2026

SUBJECT: Recommendation for updating the Seaside Basin Groundwater Model

RECOMMENDATIONS:

Concur with the recommendation to update the existing Seaside Basin Groundwater Model.

BACKGROUND:

In fulfillment of a contract issued to Montgomery & Associates (M&A) in 2024, they have evaluated options to most efficiently and cost-effectively update or replace the Watermaster's existing Seaside Basin Groundwater Model (Seaside Basin Model). They also developed a Scope of Work and cost budget to update the Model, consistent with their recommendations.

DISCUSSION:

The document describing their evaluation and recommendations is quite technical in nature. Therefore, a synopsis of its main points is attached. For those wishing to read the full document, it is contained in the June 10, 2026, TAC meeting agenda packet that is posted on the Watermaster's website.

The Scope of Work and the budget to update the Seaside Basin Model are provided in the attachment to the next agenda item.

This topic was discussed at the TAC's June 10, 2026, meeting, and the TAC concurred with the recommendations from M&A as the basis for moving ahead with updating the existing Seaside Basin Model.

The main recommendations are to:

- Update and improve the existing Seaside Basin Model while continuing to support the improvement of the regional models.
- Align the Seaside Basin Model inputs with the regional models to improve data integration and long-term compatibility with those models.
- Consider performing future work including:
 - Continued coordination with the regional modeling teams
 - Preparing a predictive future baseline simulation

Funds to perform this future additional work are not included in the 2026 Monitoring and Management Program Operations Budget, so they would likely need to be included in the budget for 2027. I will be discussing this with M&A to determine whether or not any of this additional work needs to be performed in 2026. If so, a revision to the 2026 Monitoring and Management Program Operations Budget would need to be made, and contract(s) to perform that work would need to be prepared. Those would go to the TAC and then to the Board for approval.

ATTACHMENT:

Main Points in the Evaluation and Recommendations from Montgomery & Associates

MAIN POINTS IN THE EVALUATION AND RECOMMENDATIONS FOR UPDATING THE SEASIDE BASIN GROUNDWATER MODEL

The main points contained in the evaluation are:

- The Seaside Basin Model was developed in 2009. It is intended to be used to address the following goals including:
 - Determine quantities of supplemental water necessary to achieve protective groundwater elevations
 - Estimating how much inflow and outflow occurs from the ocean, groundwater level responses to potential water projects, location of the hydrogeologic northern Seaside Basin boundary, and flows between subareas.
 - Assist in determining how to implement the Seaside Watermaster's 2025 Seawater Intrusion Response Plan (SIRP), including
 - Be inclusive enough to be able to run all potential scenarios without the need to construct an additional model.
- The Seaside Basin Model is also used to support the permitting and operations of MPWMD's Seaside ASR Project and the Pure Water Monterey groundwater water replenishment reuse project operated jointly by MPWMD and M1W.
- There have been significant operational changes in groundwater usage since the Seaside Basin Model was last updated and recalibrated, and recent investigations have led to an improved understanding of the hydrogeological conceptual model of the Seaside Subbasin and the Salinas Valley Groundwater Basin as a whole.
- There is an increasing need to understand how projects and management actions in the Seaside Subbasin and the Salinas Valley Basin will affect groundwater levels, gradients, inter-basin flows, and seawater intrusion in these basins.
- The options for selecting a model to use were to either (1) update the existing Seaside Basin Model using more recent data, or (2) to adopt or adapt one of several other models.
- Although the regional models developed for the Salinas Valley Basin have improved, they still cannot match the Watermaster Model's performance in key areas—especially the Northern Coastal Subarea, where the bulk of the pumping in the Seaside Basin occurs, and where groundwater levels simulated by the regional models are significantly higher than the actually-measured groundwater levels.
- Although the model prepared by the Marina Coast Water District for the adjacent Monterey Subbasin is more detailed and better calibrated than the regional models, it excludes the Seaside Subbasin. Because recent updates to the regional models incorporate much of the Monterey Subbasin modeling work, there is little benefit in adapting or expanding the Monterey Subbasin model.
- The regional models are far more computationally demanding to update and run, compared to the Seaside Basin Model.

SEASIDE GROUNDWATER BASIN
WATERMASTER

TO: Board of Directors

FROM: Robert Jaques, Technical Program Manager

DATE: July 1, 2026

SUBJECT: Consider approval of Montgomery & Associates RFS No. 2026-03

RECOMMENDATIONS:

Approve Montgomery & Associates RFS No. 2026-03.

BACKGROUND:

The 2026 Monitoring and Management Program Operations Budget includes a line-item to update or replace the Watermaster's Seaside Basin Groundwater Model.

DISCUSSION:

To carry out the recommendations for updating the Seaside Basin Groundwater Model as described in the preceding agenda item, I have incorporated the Scope of Work and budget sent to me by Montgomery & Associates to perform this work into the attached RFS No. 2026-03.

The Scope of Work is consistent with Montgomery & Associates' recommendations, and the funds available to carry out that work are included in the 2026 Monitoring and Management Program Operations Budget.

ATTACHMENT:

Montgomery & Associates RFS No. 2026-03

SEASIDE BASIN WATERMASTER
REQUEST FOR SERVICE

DATE: 7/2/2026

RFS NO. 2026-03

(To be filled in by WATERMASTER)

TO: Georgina King
PROFESSIONAL

FROM: Robert Jaques
WATERMASTER

Services Needed and Purpose: Update Seaside Basin Groundwater Model. See Scope of Work in Attachment 1.

Completion Date: All work of this RFS shall be performed in accordance with the timeline described in Attachment 1.

Method of Compensation: Time and Materials (As defined in Section V of Agreement.)

Total Price Authorized by this RFS: \$ 125,000.00 (Cost is authorized only when evidenced by signature below.) (See Attachment 2 for Detailed Breakdown of Estimated Costs).

Total Price may not be exceeded without prior written authorization by WATERMASTER in accordance with Section V. COMPENSATION.

Requested by: _____ **Date:** _____.
WATERMASTER Technical Program Manager

Agreed to by: _____ **Date:** _____.
PROFESSIONAL

ATTACHMENT 1

SCOPE OF WORK

The scope consists of providing professional consulting services to WATERMASTER for updating the WATERMASTER'S Groundwater Model, as described in more detail in the attached document titled "Proposed Scope of Work."

As noted in the Proposed Scope of Work, a Modeling Report Document describing the updated Groundwater Model will be provided to WATERMASTER. The Document will be provided in electronic (not printed) form.

It is anticipated that PROFESSIONAL will provide oral updates on progress being made on this work, and may solicit input as necessary, at TAC meetings during the time that the work is being performed. The cost for having PROFESSIONAL provide these updates will be funded from RFS No. 2026-01 (General Consulting), and separately from this RFS No. 2026-03. A PDF and MS Word version of the Modeling Report Document will be provided electronically to WATERMASTER. No printed copies of that Document will be required.

PROPOSED SCOPE OF WORK

Phase 1 - Historical Model Extension

Extend Historical Model

The first step is to extend the Model input data sets through WY 2025 and assess whether additional updates or recalibration are needed to maintain model estimation accuracy. Select inputs will also be revised to improve consistency with the regional SWIM and SVIHM models and facilitate future updates of all the models:

- Update historical pumping and injection inputs to extend the simulation period from 1987–2017 through WY 2025
- Update soil-moisture balance inputs used to estimate monthly deep groundwater recharge
- Review and update production well and calibration-target screen layer and aquifer assignments to reflect current understanding, well log data, and updated SWIM/SVIHM aquifer designations that M&A identified as part of the recent regional model update support work
- Update northern boundary constant-head values using simulated heads from the latest SWIM version 4 runs to better represent MCWD pumping and 180-400 Foot Aquifer conditions.
- Update groundwater elevation calibration target data sets for the extended 2018-2025 period and to include new monitoring wells, such as the monitoring wells installed in support of the Pure Water Monterey Project, the FO-9 Shallow replacement well, and other new monitoring wells in the Monterey Subbasin that fall within the Model domain that are not currently included as calibration targets. The screen intervals and aquifer layer assignments will be adjusted for certain wells to align with improved understanding of the aquifer designations that came out of a more detailed review Dr. Benito conducted during collaboration with the SVBGSA.

Model Calibration Assessment

Once model inputs are updated, the Model will be run to assess the accuracy of the calibration by comparing simulated and observed groundwater levels across the Seaside Subbasin and key monitoring wells in the Monterey Subbasin. The assessment will compare hydrographs of observed and simulated groundwater levels to evaluate how well the Model captures recent operational changes, including triennial pumping reductions, the shift from Seaside golf-course irrigation pumping to recycled water, the cessation of Cal-Am Laguna Seca Subarea pumping, and the effects of the Pure Water Monterey (PWM) project. Other standard statistical measures of model performance will also be used to compare the updated Model with the previous calibrated version.

Phase 2 - Model Recalibration & Structural Improvements

Recalibration Approach

Periodic model recalibration is needed to maintain acceptable accuracy in simulated groundwater levels. If simulated levels are inaccurate, other model outputs, including groundwater flow directions, storage, and water budget estimates, will also be less reliable. Rather than overhauling the Model all at once, an iterative update process will be used that makes only the changes needed. For example, if the extended historical model with the current layering and aquifer parameters continues to match observed groundwater levels in key areas, additional changes in those areas may not be necessary or cost-effective at this time.

If the Model does not adequately match observed groundwater levels in some areas, updates may be needed to aquifer parameters or layer discretization. For example, if observed groundwater levels near the PWM project are not well matched, model layer 5 (Santa Margarita) may need to be subdivided into upper and lower units and local parameter calibration may need to be revised.

If substantial recalibration is required, it is recommended to first update the numerical modeling framework to one of the more recent versions of MODFLOW that can streamline the model update and improve the recalibration process and model performance.

Upgrade MODFLOW Framework

The Model was developed using MODFLOW-2005, which represented the standard platform at the time of model construction in 2009. If substantial recalibration is required, upgrading the Model to a current MODFLOW platform is recommended, preferably MODFLOW 6 or MODFLOW-USG, to take advantage of enhanced functionality, including unstructured grids that support targeted local refinement in critical areas without requiring refinement of the full model domain.

There are other technical upgrades that can also be made that would improve how production wells screened across multiple model layers and/or aquifers are simulated. The current version of the Model uses the MODFLOW WELL package, which is limited in its ability to dynamically

adjust the amount of the total assigned well pumping that should be allocated to each of the screen intervals in different model layers. This can be problematic, for example, in Shallow Aquifer wells when the groundwater table falls below the bottom of the uppermost model layer across which a multi-layer well is screened in. The portion of the total reported pumping rate that was originally allocated to that uppermost layer that has gone “dry” is lost instead of being shifted to the next deepest layers the well is screened across. This can result in under-simulating the amount of actual pumping from the well. There are newer MODFLOW packages for handling multi-layer wells, such as the MNW2 and the CLN packages, that dynamically allocate the amount of pumping that should occur in each layer and can help address this problem. This well package upgrade can occur even if the Model is not upgraded to a current MODFLOW platform.

Grid and Layering Enhancements

New hydrogeologic data developed since the Model was first developed indicate opportunities to improve how groundwater flow is distributed among aquifer formations, and in some cases within individual formations. Where vertical flow profiles are available—such as for many PWM injection wells, some ASR wells, and production wells like Paralta and Ord Grove 2—simulated flow distribution and transmissivity ratios will be adjusted to match observed vertical flow patterns. Upgraded multi-layer well packages, such as MNW2 or CLN, will help incorporate these data. Aquifer parameter ranges will also be constrained using aquifer test results, including in the PWM area. Model layer 5 (Santa Margarita Formation) may potentially be subdivided into upper and lower units based on improved aquifer characterization and newly available well log data. Where applicable, updated interpretations of bedrock and layer depths from recent DWR SkyTEM surveys will be incorporated based on Salinas Valley Basin hydrogeologic conceptual model updates.

Documentation in Technical Report & Presentation to TAC

M&A will prepare a technical report documenting the Model updates and improvements. The report will also summarize the overall model performance and trends and observations of how the Model is capturing the impacts of new projects and other recent operational changes in the Seaside Subbasin. M&A will also prepare and deliver a summary presentation on this topic to the TAC via Zoom.

BUDGET AND TIMELINE

It is anticipated that Phase 1 and Phase 2 can be completed within a five-month period, though the timing may depend on the scheduling of TAC and Board meetings. Work can commence on this immediately following notice to proceed.

The combined estimated cost for Phase 1 and Phase 2 is \$125,000. The cost estimate contained in [Attachment 2](#) provides a breakdown of costs by task and subtask.

ATTACHMENT 2
BUDGET

Estimated Cost for Seaside Watermaster Model Update.

Seaside Watermaster Model Update		Montgomery & Associates Estimate of Hours, Fees and Expenses						
		Scientist VI	Scientist VII	Scientist V	Scientist II	GIS I	Editor	Total Hours
		CT	GK	PB	WC			
	Professional Billing Rates (\$/hr)	\$290	\$290	\$240	\$165	\$165	\$95	
Phase 1: Historical Model Extension & Regional Model Input Alignment								
Task 1	Update Watermaster Historical Model to extend through WY2025							
1.1	Compile production data and prepare new pumping input files	0	0	8	16	0	0	\$4,560
1.2	Prepare revised recharge input for updated climate period	0	0	8	16	0	0	\$4,560
1.3	Develop updated northern boundary condition head input files from SWIM output	1	2	8	16	0	0	\$5,430
1.4	Prepare updated and extended groundwater level observation data set	0	0	8	20	0	0	\$5,220
1.5	Run model and assess calibration and simulated groundwater level trends	4	4	24	32	0	0	\$13,360
	Subtotal	5	6	56	100	0	0	\$33,130
	Phase 1 Total							
Phase 2: Model Recalibration & Structural Improvements								
Task 2	Model Recalibration & Structural Improvements (if warranted)							
2.1	Update model to MODFLOW-6 or MODFLOW-USG	2	1	24	32	0	0	\$11,910
2.2	Grid layering & discretization enhancements	2	1	24	40	2	0	\$13,560
2.3	Parameter Recalibration	2	1	40	80	0	0	\$23,670
	Subtotal	6	3	88	152	2	0	\$49,140
Task 3	Documentation in Technical Report & Presentation to TAC							
3.1	Prepare Technical Report summarizing method and results	8	16	60	40	38	6	\$34,800
3.2	Prepare presentation and deliver to TAC via Zoom	1	4	16	16	0	0	\$7,930
	Subtotal	9	20	76	56	38	6	\$42,730
	Phase 2 Total							
Total (hours)		20	29	220	308	40	6	623
Total (\$)		\$5,800	\$8,410	\$52,800	\$50,820	\$6,600	\$570	\$125,000

SEASIDE GROUNDWATER BASIN
WATERMASTER

TO: Board of Directors

FROM: Toni Gibbs, Administrative Officer

DATE: July 1, 2026

SUBJECT: Approval of Water Production Amount for Mission Memorial During Unmetered
Period (October 2025–January 2026)

RECOMMENDATIONS:

Approve using the highest monthly production recorded by Mission Memorial for each month (October–January) based on the preceding three years with active production.

BACKGROUND:

At its April 1, 2026 meeting, the Board directed AO Gibbs to use the presented draft of a non-working-meter policy to determine the production amount for Mission Memorial during the unmetered period of October 2025 through January 2026 in WY 2026.

Working with MPWMD, staff developed an estimate using production from the nearby Bayonet & Blackhorse Golf Course. This method produced a total of 2.35 AF for the four-month period.

The draft policy also allows using the highest monthly production recorded for the same calendar month within the previous three years. As directed, AO Gibbs reviewed Mission Memorial’s historical production for Water Years (WY) 2023–2025. Because the well was not producing in 2025, data from WY 22 was also included.

Summary of Mission Memorial’s Historical Production (WY 2022–2025) – highest monthly total highlighted

	WY 25	WY 24	WY 23	WY 22	Highest Monthly
Oct	0	4.22	3.72	4.45	4.45
Nov	0	2.93	1.21	3.94	3.94
Dec	0	2.54	0.45	1.78	2.54
Jan	0	1.07	0.78	1.58	1.58
Total for 4 months	0	10.76	6.16	11.75	12.51

DISCUSSION:

The peer-property estimate of 2.35 AF is significantly lower than Mission Memorial’s historical production. Using such a low estimate could set an undesirable precedent: producers may have little incentive to promptly repair malfunctioning meters if a peer-based estimate might understate actual pumping.

Using the highest monthly production from the preceding three active years provides a more conservative and consistent approach. This method aligns with the draft policy and encourages timely meter replacement to ensure accurate reporting.

ATTACHMENTS: Production Reports for Water Years 2022, 2023, 2024, and 2025

SEASIDE GROUNDWATER BASIN WATERMASTER

Reported Quarterly and Annual Water Production From the Seaside Groundwater Basin

WATER YEAR 2025 (October 1, 2024 - September 30, 2025)

(All Values in Acre-Feet [AF])

		Oct	Nov	Dec	Oct-Dec	Jan	Feb	Mar	Jan-Mar	Apr	May	Jun	Apr-Jun	Jul	Aug	Sep	Jul-Sep	Reported Total	Yield Allocation	from WY 2024	for WY 2025
Type																					
CAW - Coastal Subareas	SPA	240.17	27.59	32.10	299.86	201.99	(72.94)	101.00	230.05	70.86	10.90	171.52	253.27	102.14	182.23	275.00	559.37	1,342.55	1,466.03	1,345.41	2,811.44
	Luzern	53.64	6.91	(0.00)	60.55	0.00	9.79	0.00	9.79	0.00	0.00	24.26	24.26	16.50	0.00	51.95	68.45	163.05			
	Ord Grove	132.32	117.05	87.89	337.26	124.28	113.48	126.73	364.49	94.91	55.34	125.42	275.67	129.14	123.65	120.21	373.00	1,350.42			
	Paralta	162.68	95.25	87.02	344.95	152.20	145.89	159.32	457.41	120.00	135.51	166.97	422.48	211.38	210.67	176.40	598.45	1,823.28			
	Playa	7.30	0.00	28.35	35.65	41.37	35.90	39.30	116.56	16.41	4.86	36.70	57.97	36.62	36.36	34.14	107.12	317.30			
	Plumas	21.59	2.52	18.19	42.29	29.06	26.13	28.50	83.69	12.03	12.33	27.76	52.11	27.13	27.45	22.30	76.88	254.98			
	Santa Margarita	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
	Seaside Middle School Well #3	132.19	90.87	88.66	311.72	97.58	116.37	120.16	334.10	89.69	101.69	121.85	313.23	127.64	132.88	114.44	374.96	1,334.01			
	ASR Recovery	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
	PWM Recovery	(269.55)	(285.00)	(278.00)	(832.55)	(242.50)	(520.50)	(373.00)	(1,136.00)	(262.18)	(298.83)	(331.44)	(892.45)	(446.27)	(348.78)	(244.44)	(1,039.49)	(3,900.49)			
Seaside Municipal	SPA	15.34	12.62	12.12	40.08	12.69	14.31	16.61	43.61	17.89	18.38	18.16	54.42	19.51	19.23	17.60	56.33	194.44	120.28	46.81	167.09
	Inlieu Extraction				0.00				0.00				0.00				0.00	0.00			
	Granite Rock Company	SPA	--	--	--	--	--	--	0.00	--	--	--	0.00	--	--	--	0.00	0.00	11.35	284.99	296.34
	DBO Development No. 30	SPA	--	--	--	--	--	--	0.00	--	--	--	0.00	--	--	--	0.00	0.00	20.59	506.70	527.29
	Calabrese (Cypress Pacific Inv.)	SPA	--	--	--	--	--	--	0.00	--	--	--	0.00	--	--	--	0.00	0.00	2.76	15.96	18.72
	City of Seaside (Golf Courses)	APA	0.00	0.00	0.00	0.00	0.21	0.00	0.07	0.28	0.00	0.00	0.00	0.00	0.00	0.91	0.91	1.19	540.00		540.00
	Sand City	APA	0.11	0.09	0.08	0.29	0.07	0.09	0.08	0.23	0.08	0.09	0.11	0.28	0.10	0.10	0.00	0.20	9.00		9.00
	SNG (Security National Guaranty) /	APA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.00		90.00
		APA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	59.00		59.00
	Calabrese (Cypress Pacific Inv.)	APA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00		6.00
	Mission Memorial (Alderwoods)	APA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.00		31.00
Coastal Subareas Totals					340.23				274.17				307.97				616.81	1,539.18	2,356.01	2,199.86	4,555.87
CAW - Laguna Seca Subarea		SPA																	0.00		0.00
Ryan Ranch Unit		06/21/21: Ryan Ranch Wells #7, #8, and #11 physically disconnected from the distribution system.																			
	Hidden Hills Unit/Bay Ridge	12.43	10.37	9.53	32.33	9.47	6.65	7.72	23.84	8.12	13.79	9.93	31.85	10.48	11.21	10.17	31.86	119.88			
	Bishop Unit 3																				
	Bishop Unit 1																				
	The Club at Pasadera	APA	22.00	4.00	0.00	26.00	1.00	3.00	0.00	4.00	23.00	38.00	42.00	103.00	36.00	42.00	40.00	118.00	251.00		251.00
	Laguna Seca Golf Resort (Bishop	APA	18.40	24.26	0.00	42.66	0.00	0.00	4.86	4.86	30.19	32.19	40.78	103.16	39.90	43.67	40.09	123.66	274.34	320.00	320.00
	York School	APA	2.33	1.36	0.01	3.70	0.27	0.01	0.03	0.31	2.20	2.43	2.49	7.12	3.02	3.24	1.48	7.74	18.87	32.00	32.00
	Laguna Seca County Park	APA	3.41	2.18	1.57	7.16	0.59	2.59	2.95	6.13	4.07	2.83	0.93	7.83	5.72	0.82	0.70	7.24	28.36	41.00	41.00
Laguna Seca Subarea Totals					79.52				15.30				221.11				256.64	572.57	644.00	0.00	644.00
					419.74				289.47				529.08				873.45	2,111.75	3,000.01	2,199.86	5,199.87
Annual Production from APA Producers																		574.76		1,379.00	
Annual Production from SPA Producers																		1,656.88		3,820.87	
CAW / MPWMD ASR (Carmel River Basin source water)																					
Injection (Recovery)	0.00	0.00	0.00	0.00	0.00	0.00	301.80	335.33	637.13	#####	0.00	0.00	0.00	78.51	0.00	0.00	0.00	0.00	715.64	3,241.44	3,957.08
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Net ASR	0.00	0.00	0.00	0.00	0.00	0.00	301.80	335.33	637.13	#####	0.00	0.00	0.00	78.51	0.00	0.00	0.00	0.00	715.64		
Pure Water Monterey (PWM) Injection and Cal-Am Recovery																					
Delivery to Basin (Injection)	269.55	328.83	342.22	940.61	377.95	345.81	379.18	1102.94	262.18	298.83	331.44	892.45	314.12	348.78	244.44	907.34	3843.33				
CAW (Recovery)	(269.55)	(285.00)	(278.00)	(832.55)	(242.50)	(520.50)	(373.00)	(1136.00)	(237.00)	(204.00)	(402.00)	(843.00)	(446.27)	(348.78)	(244.44)	(1039.49)	(3851.04)				
Net PWM	0.00	43.83	64.22	108.06	135.45	(174.69)	6.18	(33.06)	25.18	94.83	(70.56)	49.45	(132.15)	0.00	(0.00)	(132.15)	(7.71)	1,157.48	1,149.77	5,106.86	
Previous Balance Total																					
Injection Operating Reserve	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	163.76	163.76	0.00	0.00	0.00	0.00	163.76	2,189.19	2,352.95	
Injection Drought Reserve	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Previous Balance Total																					
City of Seaside Golf Course Recycled Water Use/Municipal Potable Water Recovery 2,361AF Max																					
In-lieu Storage/Recycled Water Use	38.77	10.25	1.24	50.26	5.72	4.19	4.31	14.22	46.65	67.02	71.14	184.81	68.75	55.37	49.31	173.43	422.72				
City of Seaside Municipal Extraction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Net In-lieu	38.77	10.25	1.24	50.26	5.72	4.19	4.31	14.22	46.65	67.02	71.14	184.81	68.75	55.37	49.31	173.43	422.72	1,122.88	1,545.60		
6,652.46																					

Notes:

- The Water Year (WY) begins October 1 and ends September 30 of the following calendar year. For example, WY 2025 begins on October 1, 2024, and ends on September 30, 2025.
- "Type" refers to water right as described in Seaside Basin Adjudication decision as amended, signed February 9, 2007 (Monterey County Superior Court Case No. M66343).
- Values shown in the table are based on reports to the Watermaster received by October 15, 2025.
- All values are rounded to the nearest hundredth of an acre-foot. Where required, reported data were converted to acre-feet utilizing the relationships: 325,851 gallons = 43,560 cubic feet = 1 acre-foot.
- "Base Operating Yield Allocation" values are based on Seaside Basin Adjudication decision. These values are consistent with the Watermaster Producer Allocations Water Year 2025 (see Item IX.B. in 11/6/2024 Board packet).
- Any minor discrepancies in totals are attributable to rounding.
- APA = Alternative Producer Allocation; SPA = Standard Producer Allocation; CAW = California American Water.
- CAW/MPWMD ASR "Injection" and "Recovery" amounts are not expected to "balance" within each Water Year due to the injection recovery "rules" that are part of SWRCB water rights permits and/or separate agreements with state and federal resources agencies that are associated with the water rights permits
- Cal-Am Toro Well #3 Destroyed 09/30/21
- Ryan Ranch and Bishop systems fed by Monterey Main System as of December 2020 -- those wells eliminated from Cal-Am reporting as of January 15, 2025

SEASIDE GROUNDWATER BASIN WATERMASTER																								
Reported Quarterly and Annual Water Production From the Seaside Groundwater Basin																								
For All Producers Included in the Seaside Basin Adjudication -- Water Year 2024																								
(All Values in Acre-Feet [AF])																								
	Type	Oct	Nov	Dec	Oct-Dec	Jan	Feb	Mar	Jan-Mar	Apr	May	Jun	Apr-Jun	Jul	Aug	Sep	Jul-Sep	Reported Total	Yield Allocation	from WY 2023	for WY 2024			
Coastal Subareas																								
CAW - Coastal Subareas	SPA	586.52	463.84	422.73	1,473.09	294.27	414.00	356.34	1,064.60	369.67	521.64	236.01	1,127.31	427.04	428.59	377.31	1,232.94	1,542.95						
																		4,897.94	1,466.03	759.43	2,225.46			
Luzern		46.27	50.24	52.84	149.35	13.56	0.00	0.00	13.56	0.00	55.40	1.87	57.27	37.97	55.86	27.25	121.08	341.26						
Ord Grove		129.21	126.13	127.82	383.16	46.36	126.05	136.00	308.42	131.59	134.68	30.08	296.34	117.73	132.57	129.26	379.55	1,367.47						
Paralta		173.67	140.09	132.23	445.99	107.38	98.65	104.25	310.28	142.43	175.96	106.12	424.51	135.02	135.65	115.07	385.74	1,566.52						
Playa		42.56	29.37	0.75	72.68	11.29	37.66	10.45	59.40	0.00	5.34	0.00	5.34	16.29	0.00	0.19	16.48	153.90						
Plumas		25.54	13.55	0.00	39.10	6.96	25.98	6.95	39.90	0.00	9.35	0.00	9.35	13.16	0.00	0.21	13.37	101.72						
Santa Margarita		169.27	104.45	109.09	382.81	108.71	125.66	98.68	333.05	95.65	140.91	97.94	334.50	106.87	104.51	105.33	316.71	1,367.07						
ASR Recovery		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
PWM Recovery		(254.47)	(304.91)	(392.62)	(952.00)	(269.57)	(380.44)	(324.46)	(974.48)	(339.41)	(300.00)	(61.33)	(700.75)	(164.23)	(250.21)	(313.33)	(727.77)	(3,354.99)						
Seaside Municipal	SPA	16.88	12.91	11.01	40.81	11.40	11.67	13.12	36.19	13.96	16.47	15.47	45.90	15.92	16.04	14.95	46.91	169.81	120.28	31.15	151.43			
Inlieu Extraction		0.00	0.00	0.00	0.00				0.00				0.00				0.00	0.00						
Granite Rock Company	SPA	--	--	--	0.00	--	--	--	0.00	--	--	--	0.00	--	--	--	0.00	0.00	11.35	267.49	278.84			
DBO Development No. 30	SPA	--	--	--	0.00	--	--	--	0.00	--	--	--	0.00	--	--	--	0.00	0.00	20.59	477.26	497.85			
Calabrese (Cypress Pacific Inv.)	SPA	--	--	--	0.00	--	--	--	0.00	--	--	--	0.00	--	--	--	0.00	0.00	2.76	14.87	17.63			
City of Seaside (Golf Courses)	APA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	540.00		540.00			
Sand City	APA	0.07	0.07	0.07	0.21	0.00	0.00	0.03	0.04	0.06	0.09	0.09	0.24	0.09	0.11	0.08	0.29	0.77	9.00		9.00			
SNG (Security National Guaranty) /	APA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.00		90.00			
MLDC (Mountain Lake Dev. Corp.)	APA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	59.00		59.00			
Calabrese (Cypress Pacific Inv.)	APA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00		6.00			
Mission Memorial (Alderwoods)	APA	4.22	2.93	2.54	9.69	1.07	1.16	1.77	4.00	2.84	3.51	2.98	9.33	1.26	2.95	2.09	6.30	29.32	31.00		31.00			
Coastal Subareas Totals					571.79	130.36					482.04					558.66					1,742.85	2,356.01	1,550.20	3,906.21
Laguna Seca Subarea																								
CAW - Laguna Seca Subarea	SPA	12.84	11.46	9.93	34.23	8.24	7.73	8.65	24.62	8.40	10.97	13.57	32.94	15.09	16.47	13.78	45.34	137.13	0.00		0.00			
Ryan Ranch Unit	06/21/21: Ryan Ranch Wells #7, #8, and #11 physically disconnected from the distribution system.								0.00						0.00						0.00			0.00
Hidden Hills Unit/Bay Ridge		12.84	11.46	9.93	34.23	8.24	7.73	8.65	24.62	8.40	10.97	13.57	32.94	15.09	16.47	13.78	45.34	137.13						
Bishop Unit 3	05/27/21: Bishop Wells #1 and #3 physically disconnected from the distribution system.								0.00						0.00						0.00			0.00
Bishop Unit 1	The Monterey Main to Ryan Ranch & Bishop Intertie was opened on 12/08/20								0.00						0.00						0.00			0.00
The Club at Pasadera	APA	6.00	8.00	5.00	19.00	0.00	0.00	0.00	0.00	19.00	30.00	34.00	83.00	43.00	36.00	46.00	125.00	227.00	251.00		251.00			
Laguna Seca Golf Resort (Bishop)	APA	20.66	3.29	1.54	25.49	0.00	0.00	0.00	0.00	21.27	26.26	31.30	78.84	37.02	31.79	42.43	111.24	215.57	320.00		320.00			
York School	APA	2.25	0.16	0.47	2.88	0.01	0.02	0.41	0.44	0.92	0.93	1.03	2.87	1.47	0.93	1.15	3.56	9.75	32.00		32.00			
Laguna Seca County Park	APA	1.13	0.28	0.24	1.65	1.51	0.91	1.23	3.65	1.71	1.69	1.80	5.20	4.87	2.02	0.64	7.54	18.04	41.00		41.00			
Laguna Seca Subarea Totals					83.25	28.71					202.85					292.68					607.49	644.00	0.00	644.00
Total Production by WM Producers					655.04	159.07					684.89					851.34					2,350.34	3,000.01	1,550.20	4,550.21
Annual Production from APA Producers																		500.45			1,379.00			
Annual Production from SPA Producers																		1,849.89			3,171.21			
CAW / MPWMD ASR (Carmel River Basin source water)																								
Injection		0.00	0.00	0.00	0.00	88.49	389.66	319.39	797.54	357.35	363.65	0.00	721.00	0.00	0.00	0.00	0.00	1,518.54	Previous Balance	Total				
(Recovery)		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
Net ASR		0.00	0.00	0.00	0.00	88.49	389.66	319.39	797.54	357.35	363.65	0.00	721.00	0.00	0.00	0.00	0.00	1,518.54				1,722.90	3,241.44	
Pure Water Monterey (PWM) Injection and Cal-Am Recovery																								
	Forward																		Previous Balance	Total				
Injection Operating Reserve	1,870.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	86.26	232.81	319.07	0.00	0.00	0.00	0.00	0.00				2,189.19		
Injection Drought Reserve		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				0.00		
Delivery to Basin (Injection)		254.47	304.91	406.95	966.33	435.09	341.41	390.67	1167.18	314.17	267.78	232.81	814.76	164.23	250.21	313.33	727.77	3,676.03						
CAW		(254.47)	(304.91)	(392.62)	(952.01)	(269.57)	(380.44)	(324.46)	(974.48)	(339.41)	(300.00)	(61.33)	(700.75)	(164.23)	(250.21)	(313.33)	(727.77)	(3,355.00)						
	Balance Forward																		321.03	836.5	1,157.48			
City of Seaside Golf Course Recycled Water Use/Municipal Potable Water Recovery 2.361AF Max																								
In-lieu Storage/Recycled Water Use	365.03	35.76	12.61	6.55	54.93	2.26	0.38	13.63	16.27	27.00	52.31	57.22	136.54	78.41	56.23	50.43	185.08	757.85	Previous Balance	Total				
City of Seaside Municipal Extraction		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
Net In-lieu					54.93				16.27	27.00	52.31	57.22	136.54	78.41	56.23	50.43	185.08	757.85	365.0	1122.88				

CAW / MPWMD ASR (Carmel River Basin source water)																	Previous Balance	Total		
Injection	0.00	0.00	0.00	0.00	88.49	389.66	319.39	797.54	357.35	363.65	0.00	721.00	0.00	0.00	0.00	0.00	1,518.54			
(Recovery)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Net ASR	0.00	0.00	0.00	0.00	88.49	389.66	319.39	797.54	357.35	363.65	0.00	721.00	0.00	0.00	0.00	0.00	1,518.54	1,722.90	3,241.44	
Pure Water Monterey (PWM) Injection and Cal-Am Recovery																				
Forward																				
Injection Operating Reserve	1,870.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	86.26	232.81	319.07	0.00	0.00	0.00	0.00	2,189.19			
Injection Drought Reserve	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Delivery to Basin (Injection)	254.47	304.91	406.95	966.33	435.09	341.41	390.67	1,167.18	314.17	267.78	232.81	814.76	164.23	250.21	313.33	727.77	3,676.03			
CAW	(254.47)	(304.91)	(392.62)	(952.01)	(269.57)	(380.44)	(324.46)	(974.48)	(339.41)	(300.00)	(61.33)	(700.75)	(164.23)	(250.21)	(313.33)	(727.77)	(3,355.00)			
Balance Forward																	321.03	836.5	1,157.48	
City of Seaside Golf Course Recycled Water Use/Municipal Potable Water Recovery 2,361AF Max																				
In-lieu Storage/Recycled Water Use	365.03	35.76	12.61	6.55	54.93	2.26	0.38	13.63	16.27	27.00	52.31	57.22	136.54	78.41	56.23	50.43	185.08	757.85		
City of Seaside Municipal Extraction		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Net In-lieu					54.93				16.27	27.00	52.31	57.22	136.54	78.41	56.23	50.43	185.08	757.85	365.0	1,122.88

- Notes:**
- The Water Year (WY) begins October 1 and ends September 30 of the following calendar year. For example, WY 2024 begins on October 1, 2023, and ends on September 30, 2024.
 - "Type" refers to water right as described in Seaside Basin Adjudication decision as amended, signed February 9, 2007 (Monterey County Superior Court Case No. M66343).
 - Values shown in the table are based on reports to the Watermaster received by October 15, 2024.
 - All values are rounded to the nearest hundredth of an acre-foot. Where required, reported data were converted to acre-feet utilizing the relationships: 325,851 gallons = 43,560 cubic feet = 1 acre-foot.
 - "Base Operating Yield Allocation" values are based on Seaside Basin Adjudication decision. These values are consistent with the *Watermaster Producer Allocations Water Year 2024* (see Item VII.F. in 1/3/2024 Board packet).
 - Any minor discrepancies in totals are attributable to rounding.
 - APA = Alternative Producer Allocation; SPA = Standard Producer Allocation; CAW = California American Water.
 - It should be noted that CAW/MPWMD ASR "Injection" and "Recovery" amounts are not expected to "balance" within each Water Year. This is due to the injection recovery "rules" that are part of SWRCB water rights permits and/or separate agreements with state and federal resources agencies that are associated with the water rights permits.
 - Cal-Am Toro Well #3 Destroyed 09/30/21

SEASIDE GROUNDWATER BASIN WATERMASTER																					
Reported Quarterly and Annual Water Production From the Seaside Groundwater Basin																					
For All Producers Included in the Seaside Basin Adjudication -- Water Year 2023																					
(All Values in Acre-Feet [AF])																					
	Type	Oct	Nov	Dec	Oct-Dec	Jan	Feb	Mar	Jan-Mar	Apr	May	Jun	Apr-Jun	Jul	Aug	Sep	Jul-Sep	Reported Total	Yield Allocation	from WY 2022	for WY 2023
<u>Coastal Subareas</u>																					
CAW - Coastal Subareas	SPA	497.16	410.19	389.22	1,296.57	370.86	475.09	659.11	1,505.05	585.36	606.31	99.22	1,290.89	328.60	328.42	247.05	904.07	1,538.81	1,466.03	110.45	1,576.48
Luzern		49.71	0.00	0.00	49.71	0.08	21.35	52.18	73.61	49.92	52.09	8.35	110.36	0.47	53.61	29.76	83.84	317.51			
Ord Grove		107.26	101.65	107.01	315.92	107.13	103.08	125.80	336.00	123.14	125.76	25.68	274.58	112.53	133.33	129.04	374.90	1,301.40			
Paralta		128.77	119.63	95.62	344.02	93.48	130.05	183.04	406.57	168.46	186.59	106.98	462.03	164.02	182.61	172.94	519.57	1,732.19			
Playa		32.86	32.92	33.50	99.28	33.69	30.01	31.91	95.60	31.54	32.73	1.04	65.31	1.07	30.85	32.92	64.85	325.04			
Plumas		27.64	26.92	27.46	82.03	27.60	24.67	26.76	79.04	23.50	26.82	0.85	51.17	1.06	26.76	25.15	52.97	265.20			
Santa Margarita		150.92	129.07	125.62	405.62	108.88	165.93	239.42	514.23	188.79	182.32	162.21	533.32	128.52	125.35	153.81	407.68	1,860.85			
ASR Recovery		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(205.88)	(205.88)	(79.08)	(224.09)	(296.56)	(599.73)	(805.62)			
PWM Recovery		(404.79)	(333.96)	(359.30)	(1098.05)	(339.81)	(436.43)	(498.90)	(1,275.15)	(301.76)	0.00	0.00	(301.76)	(237.24)	(327.02)	(218.55)	(782.81)	(3,457.77)			
Seaside Municipal		15.26	11.75	10.85	37.86	11.05	13.22	10.07	34.34	12.54	14.66	14.00	41.20	16.25	15.92	12.90	45.06	158.46	120.28		120.28
Inlieu Extraction					0.00				0.00				0.00	0.00	0.00	0.00	0.00	0.00			
Granite Rock Company	SPA	--	--	--	0.00	--	--	--	0.00	--	--	--	0.00	--	--	--	0.00	0.00	11.35	249.6	260.95
DBO Development No. 30	SPA	--	--	--	0.00	--	--	--	0.00	--	--	--	0.00	--	--	--	0.00	0.00	20.59	447.12	467.71
Calabrese (Cypress Pacific Inv.)	SPA	--	--	--	0.00	--	--	--	0.00	--	--	--	0.00	--	--	--	0.00	0.00	2.76	13.69	16.45
City of Seaside (Golf Courses)	APA	41.260	0.00	0.00	41.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	41.26	540.00		540.00
Sand City	APA	0.16	0.14	0.06	0.36	0.07	0.18	0.00	0.25	0.06	0.14	0.08	0.28	0.10	0.16	0.05	0.31	1.20	9.00		9.00
SNG (Security National Guaranty) /	APA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00				0.00	0.00	90.00		90.00
MLDC (Mountain Lake Dev. Corp.)	APA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00				0.00	0.00	59.00		59.00
Calabrese (Cypress Pacific Inv.)	APA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00		6.00
Mission Memorial (Alderwoods)	APA	3.72	1.21	0.45	5.38	0.78	0.36	0.25	1.40	0.82	1.71	1.85	4.39	3.04	4.83	3.28	11.16	22.32	31.00		31.00
Coastal Subareas Totals					283.38				265.89				1,035.00				177.78	1,762.05	2,356.01	820.86	3,176.87
<u>Laguna Seca Subarea</u>																					
CAW - Laguna Seca Subarea	SPA	12.42	10.03	8.35	30.79				0.00				0.00				0.00	30.79	0.00		0.00
Ryan Ranch Unit	06/21/21: Ryan Ranch Wells #7, #8, and #11 physically disconnected from the distribution system.																				
Hidden Hills Unit		12.42	10.03	8.35	30.79	7.82	6.93	7.47	22.22	8.66	11.26	13.96	33.88	14.65	13.83	13.29	41.77	128.67			
Bishop Unit 3	05/27/21: Bishop Wells #1 and #3 physically disconnected from the distribution system.																				
Bishop Unit 1	The Monterey Main to Ryan Ranch & Bishop Intertie was opened on 12/08/20																				
The Club at Pasadera	APA	19.00	0.00	0.00	19.00	0.00	0.00	0.00	0.00	0.00	31.00	20.00	51.00	20.00	39.00	41.00	100.00	170.00	251.00		251.00
Laguna Seca Golf Resort (Bishop)	APA	20.00	5.17	0.00	25.17	0.00	0.00	0.00	0.00	6.12	15.96	29.18	51.26	36.19	39.65	20.78	96.63	173.06	320.00		320.00
York School	APA	1.40	0.12	0.02	1.54	0.01	0.00	0.00	0.01	1.25	1.33	2.48	5.07	2.12	1.64	2.10	5.87	12.49	32.00		32.00
Laguna Seca County Park	APA	1.17	1.14	0.15	2.46	0.47	0.25	0.84	1.56	2.85	3.63	1.98	8.46	5.16	4.72	1.94	11.82	24.30	41.00		41.00
Laguna Seca Subarea Totals					78.96				1.58				115.79				214.31	410.64	644.00	0.00	644.00
Total Production by WM Producers					362.34				267.46				1,150.79				392.10	2,172.69	3,000.01	820.86	3,820.87
																		Annual Production from APA Producers		444.62	1,379.00
																		Annual Production from SPA Producers		1,728.07	2,441.87

CAW / MPWMD ASR (Carmel River Basin source water)																	Previous Balance	Total		
Injection	0.00	0.00	37.49	37.49	244.16	323.50	299.63	867.29	344.76	406.89	0.00	751.64	0.00	0.00	0.00	0.00	1,656.42			
(Recovery)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(205.88)	(205.88)	0.00	0.00	0.00	0.00	(205.88)			
Net ASR	0.00	0.00	37.49	37.49	244.16	323.50	299.63	867.29	344.76	406.89	(205.88)	545.76	0.00	0.00	0.00	0.00	1,450.53	801.55	2,252.08	
Pure Water Monterey (PWM) Injection and Cal-Am Recovery																				
	Balance Forward																			
Injection Operating Reserve	1,164.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,164.52			
Injection Drought Reserve	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Delivery to Basin	349.81	333.96	397.41	1081.18	423.25	379.74	434.04	1237.03	0.00	303.12	350.42	653.53	237.24	327.02	218.55	782.81	3,754.56			
CAW	(404.79)	(333.96)	(359.30)	(1,098.05)	(339.81)	(436.43)	(498.90)	(1,275.14)	(301.76)	0.00	0.00	(301.76)	(237.24)	(327.02)	(218.55)	(782.81)	(3,457.76)			
	Balance Forward																	296.80		
City of Seaside Golf Course Recycled Water Use/Municipal Potable Water Recovery 2,361AF Max																				
In-lieu Storage/Recycled Water Use	0.00	0.00	0.00	0.00	0.00	0.00	10.54	0.66	11.20	34.22	83.29	66.54	184.05	68.47	64.02	37.28	169.77	365.03	0.0	365.03
City of Seaside Municipal Extraction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.00
Net In-lieu					0.00				11.20	34.22	83.29	66.54	184.05	68.47	64.02	37.28	169.77	365.03	0.0	365.03

Notes:

- The Water Year (WY) begins October 1 and ends September 30 of the following calendar year. For example, WY 2023 begins on October 1, 2022, and ends on September 30, 2023.
- "Type" refers to water right as described in Seaside Basin Adjudication decision as amended, signed February 9, 2007 (Monterey County Superior Court Case No. M66343).
- Values shown in the table are based on reports to the Watermaster received by October 15, 2023.
- All values are rounded to the nearest hundredth of an acre-foot. Where required, reported data were converted to acre-feet utilizing the relationships: 325,851 gallons = 43,560 cubic feet = 1 acre-foot.
- "Base Operating Yield Allocation" values are based on Seaside Basin Adjudication decision. These values are consistent with the *Watermaster Producer Allocations Water Year 2023* (see Item IX.B. in 12/7/2022 Board packet).
- Any minor discrepancies in totals are attributable to rounding.
- APA = Alternative Producer Allocation; SPA = Standard Producer Allocation; CAW = California American Water.
- It should be noted that CAW/MPWMD ASR "Injection" and "Recovery" amounts are not expected to "balance" within each Water Year. This is due to the injection recovery "rules" that are part of SWRCB water rights permits and/or separate agreements with state and federal resources agencies that are associated with the water rights permits.
- Cal-Am Toro Well #3 Destroyed 09/30/21

SEASIDE GROUNDWATER BASIN WATERMASTER																					
Reported Quarterly and Annual Water Production From the Seaside Groundwater Basin For All Producers Included in the Seaside Basin Adjudication -- Water Year 2022																					
(All Values in Acre-Feet [AF])																					
	Type	Oct	Nov	Dec	Oct-Dec	Jan	Feb	Mar	Jan-Mar	Apr	May	Jun	Apr-Jun	Jul	Aug	Sep	Jul-Sep	Reported Total	Yield Allocation	from WY 2021	for WY 2022
<u>Coastal Subareas</u>																					
CAW - Coastal Subareas	SPA	373.37	267.89	196.91	838.17	336.11	456.67	483.60	1,276.38	474.44	527.94	526.22	1,528.60	546.50	530.29	474.04	1,550.83	1,510.69	1,466.02	165.15	1,631.18
Luzern		26.16	0.33	0.00	26.49	0.00	50.18	53.88	104.06	51.27	52.25	50.06	153.58	50.74	50.40	38.00	139.14	423.26			
Ord Grove		109.59	48.86	38.68	197.13	72.51	95.23	106.91	274.65	102.12	104.55	96.53	303.20	106.05	111.60	103.48	321.13	1,096.11			
Paralta		75.83	92.49	107.42	275.73	113.66	111.53	96.00	321.19	103.07	132.66	131.90	367.64	139.62	122.06	113.40	375.08	1,339.65			
Playa		0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.14	0.00	13.98	32.33	46.32	33.33	33.07	31.74	98.14	144.60			
Plumas		18.98	0.00	0.00	18.98	0.00	14.47	29.35	43.82	28.04	28.88	27.46	84.39	28.43	27.78	27.42	83.62	230.81			
Santa Margarita		142.81	126.22	50.81	319.84	149.94	185.27	197.33	532.53	189.93	195.61	187.93	573.47	188.34	185.37	160.01	533.71	1,959.56			
ASR Recovery		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
PWM Recovery		(343.61)	(233.66)	(162.10)	(739.37)	(301.21)	(418.82)	(400.00)	(1,120.03)	(400.00)	(350.00)	(249.07)	(999.07)	(273.96)	(287.16)	(263.70)	(824.82)	(3,683.29)			
City of Seaside (Municipal)	SPA	14.61	13.21	12.59	40.41	11.66	13.07	15.87	40.61	14.19	16.66	14.78	45.63	0.15	13.98	14.34	28.47	155.12	120.28	0.00	120.28
Granite Rock Company	SPA	--	--	--	0.00	--	--	--	0.00	--	--	--	0.00	--	--	--	0.00	0.00	11.35	236.07	247.42
DBO Development No. 30	SPA	--	--	--	0.00	--	--	--	0.00	--	--	--	0.00	--	--	--	0.00	0.00	20.59	424.88	445.47
Calabrese (Cypress Pacific Inv.)	SPA	--	--	--	0.00	--	--	--	0.00	--	--	--	0.00	--	--	--	0.00	0.00	2.76	13.57	16.33
City of Seaside (Golf Courses)	APA	27.41	7.17	5.14	39.72	5.45	30.92	43.83	80.20	44.89	74.47	88.67	208.04	57.13	80.54	45.56	183.23	511.19	540.00		540.00
Sand City	APA	0.12	0.03	0.11	0.26	0.09	0.10	0.20	0.39	0.14	0.19	0.17	0.50	0.15	0.19	0.16	0.50	1.65	9.00		9.00
SNG (Security National Guaranty)	APA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	149.00		149.00
Calabrese (Cypress Pacific Inv.)	APA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00		6.00
Mission Memorial (Alderwoods)	APA	4.45	3.94	1.78	10.16	1.58	1.43	3.52	6.53	3.16	2.98	2.47	8.61	2.56	3.27	2.82	8.65	33.95	31.00		31.00
Coastal Subareas Totals					189.35				284.08				792.31				946.86	2,212.60	2,356.00	839.68	3,195.67
<u>Laguna Seca Subarea</u>																					
CAW - Laguna Seca Subarea	SPA	10.58	9.56	9.11	29.24	8.85	9.67	9.94	28.46	10.82	12.90	15.38	39.10	13.47	14.08	13.65	41.21	138.02	0.00		0.00
Ryan Ranch Unit		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Hidden Hills Unit		10.58	9.56	9.11	29.24	8.85	9.67	9.94	28.46	10.82	12.90	15.38	39.10	13.47	14.08	13.65	41.21	138.02			
Bishop Unit 3		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Bishop Unit 1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
The Club at Pasadera	APA	32.00	7.00	8.00	47.00	0.00	26.00	12.00	38.00	27.00	41.00	36.00	104.00	28.00	24.00	10.00	62.00	251.00	251.00		251.00
Laguna Seca Golf Resort (Bishop)	APA	17.51	5.83	0.00	23.34	0.00	7.07	9.69	16.76	14.87	32.55	36.24	83.66	37.66	41.08	22.80	101.54	225.31	320.00		320.00
York School	APA	1.13	0.29	0.04	1.46	0.18	0.62	1.52	2.32	2.14	2.88	1.81	6.83	2.15	3.42	2.50	8.07	18.68	32.00		32.00
Laguna Seca County Park	APA	1.55	1.73	1.41	4.68	1.04	1.28	1.02	3.34	2.40	1.87	1.99	6.26	3.61	4.23	3.11	10.94	25.22	41.00		41.00
Laguna Seca Subarea Totals					105.72				88.89				239.85				223.77	658.23	644.00	0.00	644.00
Total Production by WM Producers					295.08				372.96				1,032.16				1,170.63	2,870.83	3,000.00	839.68	3,839.67
Annual Production from APA Producers																		1,067.00			1,379.00
Annual Production from SPA Producers																		1,803.83			2,460.67

CAW / MPWMD ASR (Carmel River Basin source water)															Previous Balance		Total
Injection	0.00	0.00	61.69	61.69	8.86	0.00	0.00	8.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	70.55	
(Recovery)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Net ASR	0.00	0.00	61.69	61.69	8.86	0.00	0.00	8.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	70.55	872.10
<u>Pure Water Monterey (PWM) Injection and Cal-Am Recovery</u>																	
Injection Operating Reserve	0.00	0.00	0.00	0.00				0.00					0.00			0.00	1,200.48
Injection Drought Reserve	0.00	0.00	0.00	0.00				0.00					0.00			0.00	0.00
Delivery to Basin	298.20	289.97	312.27	900.44	320.51	282.22	341.92	944.65	362.09	295.58	264.55	922.22	273.96	287.16	318.90	880.02	3647.33
CAW	(343.61)	(233.66)	(162.10)	(739.37)	(301.21)	(418.82)	(400.00)	(1,120.03)	(400.00)	(350.00)	(249.07)	(999.07)	(273.96)	(287.16)	(263.70)	(824.82)	(3,683.29)

Notes:

- The Water Year (WY) begins October 1 and ends September 30 of the following calendar year. For example, WY 2022 begins on October 1, 2021, and ends on September 30, 2022.
- "Type" refers to water right as described in Seaside Basin Adjudication decision as amended, signed February 9, 2007 (Monterey County Superior Court Case No. M66343).
- Values shown in the table are based on reports to the Watermaster received by October 15, 2022.
- All values are rounded to the nearest hundredth of an acre-foot. Where required, reported data were converted to acre-feet utilizing the relationships: 325,851 gallons = 43,560 cubic feet = 1 acre-foot.
- "Base Operating Yield Allocation" values are based on Seaside Basin Adjudication decision. These values are consistent with the *Watermaster Producer Allocations Water Year 2022* (see Item VIII.B. in 1/5/2022 Board packet).
- Any minor discrepancies in totals are attributable to rounding.
- APA = Alternative Producer Allocation; SPA = Standard Producer Allocation; CAW = California American Water.
- It should be noted that CAW/MPWMD ASR "Injection" and "Recovery" amounts are not expected to "balance" within each Water Year. This is due to the injection recovery "rules" that are part of SWRCB water rights permits and/or separate agreements with state and federal resources agencies that are associated with the water rights permits.

SEASIDE GROUNDWATER BASIN WATERMASTER

TO: Board of Directors
FROM: Toni Gibbs, Administrative Officer
DATE: July 1, 2026
SUBJECT: Corrected: Watermaster Water Year 2026 Declaration of **NO** Replenishment Water Available
PURPOSE: To notify all Seaside Groundwater Basin producers that the Watermaster has revised its Declaration for Water Year 2026 that **NO** Artificial Replenishment Water is available to offset Over-Production in excess of Basin Operating Yield

RECOMMENDATION:

Consider approving revised Water Year 2026 Declaration of No Artificial Replenishment Water Available.

DISCUSSION:

The Court has declared in Section III.L.3.j.iii of the adjudication Decision that in the event Watermaster cannot procure Artificial Replenishment Water to offset Operating Yield Over-Production during the ensuing Water Year that the Watermaster Board shall so declare in December that no Operating Yield Over-Production then in effect may occur during the ensuing Water Year.

Watermaster has determined that there is no foreseeable replenishment water available for Water Year 2026.

In the original declaration provided at a previous board meeting, the unused portion of the City of Seaside's golf course alternative allocation was incorrectly allocated to Standard Producers. The City of Seaside did not use its allocation from the Seaside Basin but purchased water from Marina Coast Water District (MCWD) through an In-Lieu program. As a result, the unused portion of the In-Lieu allocation should not be given to Standard Producers as regular unused portions of Alternative Producers' allocations are. The amount of allocation equivalent to what MCWD provides will remain in the basin and count toward the City of Seaside's water storage available to its municipal system.

The allocation for 2026 were recalculated as a result of this discovery.

If replenishment water becomes available in Water Year 2026, a revised Declaration will be issued.

ATTACHMENTS

- 1) Revised 2026 Declaration of Unavailability of Replenishment Water with production limits
- 2) 2020 Declaration of Useable Storage Space in the Basin
- 3) Corrected Calculations for Allocations

NOTICE TO ALL SEASIDE GROUNDWATER PRODUCERS:

Case No. M66343 Amended Decision Section III.B.2.

Commencing with the fourth Water Year, and triennially thereafter, the Operating Yield for both Subareas will be decreased by ten percent (10%) until Operating Yield is the equivalent of the Natural Safe Yield unless:

- a. The Watermaster has secured and is adding an equivalent amount of Non-Native water to the Basin on an annual basis; or*
- b. The Watermaster has secured reclaimed water in an equivalent amount and has contracted with one or more of the Producers to utilize said water in lieu of their Production Allocation, with the Producer agreeing to forego their right to claim a Stored Water Credit for such forbearance; or*
- c. Any combination of a and b above which results in the decrease in Production of Native Water required by this Decision; or*
- d. The Watermaster has determined that Groundwater levels within the Santa Margarita and Paso Robles aquifers are at sufficient levels to ensure a positive offshore gradient to prevent seawater intrusion.*

The Watermaster has determined that the conditions necessary to avoid the ten percent Operating Yield reduction have not been met as follows:

1. Watermaster has not secured water for adding an equivalent amount of Non-Native water to the Basin on an annual basis.
2. The Watermaster has not secured reclaimed water in an equivalent amount.
3. The Watermaster has not secured Non-Native water or reclaimed water that results in the decrease in Production of Native Water required by the Decision.
4. The firm contracted by Watermaster for technical analyses continued to report in 2019 that Groundwater levels within the Santa Margarita and Paso Robles aquifers are not at sufficient levels to ensure a positive offshore gradient to prevent seawater intrusion, so the requirement for this item continues to not be met.

Section III.L.3.j.iii: Watermaster declares that for Water Year 2026 Artificial Replenishment Water is not available to offset Operating Yield Over-Production and producers are limited in production to the following quantities of water ⁽¹⁾:

Coastal Subarea Alternative Producers:

Seaside (Golf)	540.00 acre-feet
SNG.....	90.00 acre-feet
Mountain Lake Development Corp	59.00 acre-feet
Cypress (Calabrese)	6.00 acre-feet
Mission Memorial (Alderwood)	31.00 acre-feet
Sand City	9.00 acre-feet

Laguna Seca Subarea Alternative Producers:

The Club at Pasadera	251.00 acre-feet
Bishop	320.00 acre-feet
York School	32.00 acre-feet
Laguna Seca County Park	41.00 acre-feet

Coastal Subarea Standard Producers:

California American Water.....	2,388.25 acre-feet*
Seaside (Municipal)	120.28 acre-feet**
Granite Rock	305.05 acre-feet***
D.B.O. Development 30	534.83 acre-feet****
Cypress (Calabrese)	17.66 acre-feet*****

Laguna Seca Subarea Standard Producers:

California American Water.....	0.0 acre-feet
--------------------------------	---------------

(1) "Free" and "Not-free" carryover was a function of ramp down in production; now that ramp down is complete and NSY = Operating Yield, carryover is no longer divided into "Free and Not-free" (NSY and Operating Yield) carryover.

* Total is the 2026 base allocation of 1,466.03 acre-feet, plus transferred credits of 3.17 & 5.29 acre-feet plus 913.76 of carryover. California American Water has a positive balance of 6,552.47 acre-feet of stored water credit at WY-end 2023 from Basin injections exceeding extractions since WY 2010 under the CAW/MPWMD ASR Program, formalized through a Storage Agreement in 2012; and under the CAW/M1W Pure Water Monterey Program formalized through a storage agreement in 2019.

** Total is the 2026 base allocation of 120.28 acre-feet with no carryover.

*** Total is the 2026 base allocation of 11.35 acre-feet plus 293.70 acre-feet of carryover credit from previous water years.

**** Total is the 2026 base allocation of 20.59 acre-feet plus 519.53 acre-feet of carryover credit from previous water years, minus 5.29 in transferred water rights.

***** Total is the 2026 base allocation of 2.76 acre-feet plus 18.07 acre-feet of carryover credit from previous water years, minus 3.17 acre-feet in transferred water rights.

NOTICE TO ALL SEASIDE GROUNDWATER PRODUCERS

Pursuant to Section III.3.L.3.j.xix of the Amended Decision Filed February 2, 2007 in the Superior Court of the State of California, in and for the County of Monterey, Case No. M66343 (the “Decision”), the Seaside Basin Watermaster hereby Declares that the Total Usable Storage Space in the Seaside Groundwater Basin (“Basin”) is as follows:

Total Usable Storage Space in the Coastal and Northern Inland Subareas is 75,610 acre-feet.

Total Usable Storage Space in the Laguna Seca Subarea is 28,560 acre-feet.

Total Usable Storage Space in the entire Seaside Groundwater Basin is 104,170 acre-feet.

Pursuant to Section III.B.3.b of the Decision, Alternative Producers do not receive a storage allocation, only Standard Producers receive such an allocation. Pursuant to Section III.H.2 of the Decision, the Seaside Basin Watermaster further Declares that the Total Usable Storage Space in the Basin shall be allocated to the Standard Producers, who are identified in the Decision, as follows:

	Current Allocation (Using Table 1 of the Decision)		
Producer	Operating Yield Allocation Percentage (1)	Usable Storage Allocation Percentage (2)	Useable Storage Allocation Acre-Feet
Coastal and Northern Inland Subareas			
California American Water (3)	77.55%	90.44%	68,382
City of Seaside (Municipal)	6.36%	7.42%	5,610
Granite Rock Company	0.60%	0.70%	529
DBO Development No. 27	1.09%	1.27%	960
Calabrese (Cypress Pacific Investors LLC)	0.15%	0.17%	129
SUBAREAS TOTAL	85.75%	100.00%	75,610
Laguna Seca Subarea			
California American Water (3)	45.13%	100.00%	28,560
SUBAREA TOTAL	45.13%	100%	28,560
BASIN TOTAL		100%	104,170

Footnotes:

- (1) From Table 1 on page 19 of the Decision.
- (2) Calculated as each Standard Producer’s percentage of the total Standard Producers’ operating yield allocation percentages within each subarea.
- (3) CAW’s Usable Storage Allocation is subject to the provisions and requirements of Section III.H.3 of the Decision.

Pursuant to Section III.H.6 of the Decision, no Producer may store water in the Basin without first executing with the Watermaster a Storage and Recovery Agreement. Nov 2, 2019

WATERMASTER PRODUCER ALLOCATIONS WATER YEAR 2025 IN ACRE-FEET (AF)												
TRIENNIAL REDUCTION FINAL END OF WATER YEAR 2021 TO 3,000 AFY												
Initial Basin-Wide Operating Yield ⁽¹⁾			3000.00		Coastal Operating Yield. ⁽¹⁾			2356.00				
Natural Safe Yield (NSY) ⁽²⁾			3000.00		Laguna Seca Operating Yield. ⁽¹⁾			644.00				
ALTERNATIVE PRODUCER ALLOCATIONS						ALTERNATIVE PRODUCER AMOUNT PUMPED WY 2025						
Coastal Subarea ⁽³⁾		AF	Laguna Seca Subarea ⁽³⁾		AF	Coastal Subarea ⁽³⁾		AF	Laguna Seca Subarea ⁽³⁾		AF	Total Alternative Producer WY 2025 Production
Seaside (Golf)		540.00	Nicklaus Club Monterey		251.00	Seaside (Golf)		1.19	The Club at Pasadera		251.00	
SNG(90) / MLD (59)		149.00	Bishop		320.00	SNG/MLD		0.00	Bishop		274.34	
Calabrese		6.00	York School		32.00	Calabrese		0.00	York School		18.87	
Mission Memorial (Alderwood)		31.00	Laguna Seca County Park		41.00	Mission Memorial (Alderwood)		0.00	Laguna Seca County Park		28.36	
Sand City		9.00				Sand City		1.00				
Total ⁽¹⁾		735.00	Total ⁽¹⁾		644.00	Total ⁽¹⁾		2.19	Total ⁽¹⁾		572.57	574.76
STANDARD PRODUCER ALLOCATIONS												
Coastal Operating Yield Available to Standard Producers (AF)			1621.00		Laguna Seca Operating Yield Available to Standard Producers (AF)			0.00				
Coastal Subarea	Standard Producer Allocations		AF Available to This Producer	Laguna Seca Subarea	Standard Producer Allocations		AF Available to This Producer					
	Base Water Right % ⁽⁴⁾	Weighted % ⁽⁵⁾			Base Water Right % ⁽⁴⁾	Weighted % ⁽⁵⁾						
California American Water (CAW)	77.55%	90.44%	1,466.03	CAW	45.13%	100.00%	0.00					
Seaside (Municipal)	6.36%	7.42%	120.28									
Granite Rock	0.60%	0.70%	11.35									
D.B.O. Development No. 30	1.09%	1.27%	20.59									
Calabrese (Cypress Pacific Investors LLC)	0.15%	0.17%	2.76									
Total	85.75%	100.0%	1,621.00	Total	45.13%	100.0%	0.00					
Allocation of Available Operating Yield Among Standard Producers	Base Water Right Available to this Producer (AF)	% NSY to SPA (Base Water Right / Total Water Right)	% NSY to SPA * APA Non-production ⁽⁷⁾	Carryover Credits from Prior Water Year (6)	Water Rights Transferred / Sold DBO to CAW 710 Amador Street 0.161 2 Upper Ragadale Drive 2.140 1514 Hilby Avenue 0.021 1620 Waring Street 0.025 475 Sonoma Avenue 0.057 1265 Vallego Street 0.011 1032 Hamilton Avenue 0.011 1299 Waring Street 0.011 0 Hache Buena Street 0.161 1894 Andrew Court 0.054 2 Upper Ragadale Drive 2.140 1357 Circle Avenue 0.035 0 Hamilton Avenue 0.128 685 Williams Avenue 0.021 416 Hamilton Avenue 0.011 825 Hamilton 0.308 5.293	Water Rights Transferred / Sold Calabrese to CAW Ryan Ranch CHOMP	Water Rights Transferred / Sold City of Seaside to CAW Ascent (Seaborn) Apartments	Total Authorized Production Current WY (Total Authorized NSY Production + Water Rights Transferred/Sold)	Actual AF Pumped by Producer in WY 2025	Seaside In-lieu to Muni Allocation	Carryover ⁽⁸⁾ Credits to WY 2026	Stored Water Credits to WY 2026
		NSY 3000 - 574.76 - 422.72 AF =	2002.52	WY 2023 APA Pumped 574.76 AF City of Seaside Golf Course Recycle 422.72 AF								
California American Water	1,466.03	90.44%	1,811.08	556.66	5.29	3.17	0.00	2,376.20	1,462.44		913.76	7,459.80
Seaside (Municipal)	120.28	7.42%	148.59	0.00	0.00	0.00	0.00	148.59	194.44	0.00	0.00	1,180.56
Granite Rock	11.35	0.70%	14.02	279.69	0.00	0.00	0.00	293.70	0.00		293.70	0.00
D.B.O. Development No. 30	20.59	1.27%	25.44	499.39	(5.29)	0.00	0.00	519.53	0.00		519.53	0.00
Calabrese (Cypress Pacific Investors LLC)	2.76	0.17%	3.40	17.84	0.00	(3.17)	0.00	18.07	0.00		18.07	0.00
Total	1,621.00	100.00%	3,814.50	1,353.57	0.00	0.00	0.00	3,356.09	1,656.88	0.00	1,745.06	8,640.36
Footnotes:												
(1) From page 17 of Exhibit A (Amended Decision)of Court Order filed February 9, 2007.												
(2) From page 14 of Exhibit A (Amended Decision)of Court Order filed February 9, 2007.												
(3) From page 21 of Exhibit A (Amended Decision)of Court Order filed February 9, 2007.												
(4) From Table 1 on page 19 of Exhibit A (Amended Decision) of Court Order filed February 9, 2007.												
(5) Calculated from the Base Water Right percentages in the adjacent column. Any discrepancy in totals is due to rounding.												
(6) Carryover is capped at each producer storage capacity. In 2019, Base Water Right plus Carryover Credit had caps increased due to increase in storage allocations (see 2020 Declaration of Usable Storage Space)												
(7) Commencing Water Year 2021 Natural Safe Yield = Operating Yield of 3,000AF. Therefore, the remainder of 3,000AF - APA production is applied to both NSY & OY Standard Producer allocations												
(8) "Free" and "Not-free" carryover was a function of ramp down in production; now that rampdown is complete and NSY = Operating Yield, carryover is no longer divided into "Free and Not-free" (NSY and Operating Yield) carryover.												
Note: Calabrese (Cypress Pacific Investors LLC) opted to convert 8AF of its 14AF Alternative Production Allocation to Standard Production Allocation on January 22, 2015 (notice filed by Cypress with Superior Court).												

CALCULATION OF REPLENISHMENT ASSESSMENTS WATER YEAR 2025

Using the Basin-wide methodology approved by the Court on January 12, 2007, and as shown in detail on the spreadsheet contained in this attachment, Watermaster calculated the Water Year (WY) (October 1st through September 30th) 2025 Replenishment Assessments as follows:

2025 Replenishment Assessment NSY Overproduction Unit Charge =	\$4,845.21
2025 Replenishment Assessment OSY Overproduction Unit Charge =	\$1,211.30
	<u>2,002.52</u>

AF (3,000 AF NSY - 574.76 Alternative Producers 2025 Production - 422.72 Seaside In-Lieu)

Volume of NSY Available = Base water right + (% of NSY available x APA allocation underproduction [2,002.5]) + carryover

Operating Yield Available = NSY Available + Water Rights Transferred/Sold

Standard Producers	WY 2025 Production (AF)	Volume of NSY Available (AF)	Volume of NSY Available Plus NSY Carryover (AF)	NSY Overproduction (AF)	NSY Overproduction Assessment	Operating Yield (Equals NSY) (AF)	Operating Yield Overproduction (AF)	Operating Yield Overproduction Assessment	Total Assessment
California American Water	1,462.44	1,811.08	2,367.74	-	\$ -	2,376.20	-	\$ -	\$ -
Seaside (Municipal)	194.44	148.59	148.59	45.85	222,176.99	148.59	45.85	55,544.13	277,721.13
Granite Rock	-	14.02	293.70	-	-	293.70	-	-	-
D.B.O. Development No. 30	-	25.44	524.82	-	-	519.53	-	-	-
Calabrese (Cypress Pacific Inv.)	-	3.40	21.24	-	-	18.07	-	-	-
Total Production	1,656.88	2,002.52	3,356.09	45.85	\$ 222,176.99	3,356.09	45.85	\$ 55,544.13	\$ 277,721.13

Alternative Producers	WY 2025 Production (AF)	% of NSY Available	Volume of NSY Available (AF)	NSY Overproduction (AF)	NSY Overproduction Assessment	Operating Yield Available (AF)	Operating Yield Overproduction (AF)	Operating Yield Overproduction Assessment	Total Assessment
City of Seaside (Golf Courses)	1.19	N/A	540.00	0.00	\$ -	540.00	0.00	\$ -	\$ -
Security National Guaranty	-	N/A	90.00	0.00	-	90.00	0.00	-	-
Mountainlake Development LLC	-	N/A	59.00	0.00	-	59.00	0.00	-	-
Calabrese (Cypress Pacific Inv.)	-	N/A	6.00	0.00	-	6.00	0.00	-	-
Mission Memorial (Alderwoods)	-	N/A	31.00	0.00	-	31.00	0.00	-	-
City of Sand City	1.00	N/A	9.00	0.00	-	9.00	0.00	-	-
The Club at Pasadera	251.00	N/A	251.00	0.00	-	251.00	0.00	-	-
Laguna Seca Golf Resort (Bishop)	274.34	N/A	320.00	0.00	-	320.00	0.00	-	-
York School	18.87	N/A	32.00	0.00	-	32.00	0.00	-	-
Laguna Seca County Park	28.36	N/A	41.00	0.00	-	41.00	0.00	-	-
Total Production	574.76	N/A	1,379.00	0.00	\$ -	1,379.00	0.00	\$ -	\$ -

SEASIDE GROUNDWATER BASIN WATERMASTER
Reported Quarterly and Annual Water Production From the Seaside Groundwater Basin
WATER YEAR 2026 (October 1, 2025 - September 30, 2026)
(All Values in Acre-Feet [AF])

Item IX.A
7/1/2026

Type		Oct	Nov	Dec	Oct-Dec	Jan	Feb	Mar	Jan-Mar	Apr	May	Jun	Apr-Jun	Jul	Aug	Sep	Jul-Sep	Reported Total	Yield Allocation	from WY 2025	for WY 2026			
CAW - Coastal Subareas		SPA	116.56	31.37	24.79	172.72	450.63	410.54	452.66	1,313.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,486.55	1,466.03	2,093.28	3,559.31			
ita #1 no longer permitted or used as an extraction well.	Luzern		54.60	50.65	50.30	155.55	50.25	48.02	28.40	126.68							0.00	282.23						
	Ord Grove		127.46	122.39	127.47	377.32	128.31	116.83	129.42	374.57							0.00	751.89						
	Paralta		199.78	174.40	139.45	513.64	112.76	108.71	151.39	372.85							0.00	886.49						
	Playa		30.25	42.30	41.12	113.68	41.69	39.32	29.55	110.56							0.00	224.24						
	Plumas		20.59	27.05	25.92	73.57	26.33	24.91	18.51	69.75							0.00	143.32						
	Seaside Middle School Well #3		97.23	103.57	114.00	314.81	91.28	72.74	95.39	259.41							0.00	574.22						
	ASR Recovery (Extraction)		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00	0.00						
	PWM Recovery		(413.36)	(489.00)	(473.47)	(1,375.84)				0.00							0.00	(1,375.84)						
	Seaside Municipal - Wells #3 & 4	SPA	17.42	15.35	15.88	48.66	14.13	12.39	17.08	43.59	15.16			15.16				107.41				120.28	32.32	152.60
	Inlieu Extraction					0.00				0.00				0.00				0.00				0.00		
Granite Rock Company		SPA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				0.00	0.00	11.35	301.96	313.31			
DBO Development No. 30		SPA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.59	526.92	547.51			
Calabrese (Cypress Pacific Inv.)		SPA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00				0.00	0.00	2.76	13.75	16.51			
City of Seaside (Golf Courses - Coe & Bayonet)		APA	0.13	0.52	0.00	0.64	0.00	0.00	0.00	0.00	0.00		0.00				0.00	0.64	540.00		540.00			
Sand City		APA	0.10	0.16	0.17	0.44	0.13	0.12	0.16	0.41			0.00				0.00	0.85	9.00		9.00			
SNG (Security National Guaranty)		APA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00			0.00	0.00	90.00		90.00			
MLDC (Mountain Lake Dev. Corp.)		APA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00				0.00	0.00	59.00		59.00			
Calabrese (Cypress Pacific Inv.)		APA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00				0.00	0.00	6.00		6.00			
Mission Memorial (Alderwoods)		APA	Pending *	Pending *	Pending *	0.00	Pending *	0.17	2.17	2.34	3.50	3.46	3.42	10.38			0.00	12.73	31.00		31.00			
Coastal Subareas Totals					222.46				1,360.18				25.54				0.00	1,608.18	2,356.01	2,968.23	5,324.24			
CAW - Laguna Seca Subarea		SPA	9.25	7.26	7.12	23.62	6.86	6.30	8.72	21.89									0.00		0.00			
Ryan Ranch Unit		06/21/21: Ryan Ranch Wells #7, #8, and #11 physically disconnected from the distribution system.																						
Hidden Hills Unit/Bay Ridge			9.25	7.26	7.12	23.62	6.86	6.30	8.72	21.89				0.00			0.00	45.51						
Bishop Unit 3			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00														
Bishop Unit 1			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00														
The Club at Pasadera		APA	0.00	1.00	14.00	15.00	0.00	0.00	42.00	42.00	14.00	0.00		14.00			0.00	71.00	251.00		251.00			
Laguna Seca Golf Resort (Bishop)		APA	8.89	3.52	4.26	16.66	0.00	7.90	3.68	11.58			14.00	0.00			0.00	28.24	320.00		320.00			
York School		APA	0.68	0.60	0.34	1.62	0.26	0.52	1.01	1.78	0.59	1.20		1.80			0.00	5.20	32.00		32.00			
Laguna Seca County Park/Recreation Area		APA	0.63	0.33	0.30	1.26	0.49	0.55	3.16	4.20				0.00			0.00	5.45	41.00		41.00			
Laguna Seca Subarea Totals					58.16				81.45				15.80				0.00	109.89	644.00	0.00	644.00			
					280.62				1,441.63				41.34				0.00	1,718.08	3,000.01	2,968.23	5,968.24			
Annual Production from APA Producers																		124.12			1,379.00			
Annual Production from SPA Producers																		1,639.48			4,589.24			
CAW / MPWMD ASR (Carmel River Basin source water)																								
Injection		0.00	0.00	61.93	61.93	281.59	222.94	242.41	746.94				0.00				0.00	808.87	Previous Balance	Total				
(Recovery)		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				0.00				0.00	0.00						
Net ASR		0.00	0.00	61.93	61.93	281.59	222.94	242.41	746.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	808.87						
Pure Water Monterey (PWM) Injection and Cal-Am Recovery																								
Delivery to Basin (Injection)		413.05	513.35	603.27	1,529.67	612.06	508.65	399.65	1,520.35	418.79	423.50		842.29				0.00	3,892.31	Previous Balance	Total				
CAW (Recovery)		(413.36)	(489.00)	(473.47)	(1,375.84)	(427.93)	(389.00)	(435.00)	(1,251.93)	(358.00)	(313.97)		(671.97)				0.00	(3,299.73)						
Net PWM		(0.32)	24.35	129.80	153.83	184.13	119.65	(35.35)	268.43	60.79	109.53	0.00	170.32	0.00	0.00	0.00	0.00	592.58						
Injection Operating Reserve		0.00	0.00	0.00	0.00	0.00	0.00	200.00	200.00	200.00	123.00		323.00				0.00	523.00	Previous Balance	Total				
Injection Drought Reserve		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	70.00		70.00				0.00	70.00						
City of Seaside Golf Course Recycled Water Use/Municipal Potable Water Recovery 2,361AF Max																								
In-lieu Storage/Recycled Water Use		30.38	8.23	2.58	41.19	2.94	11.67	53.76	68.37	14.36			14.36				0.00	123.92	Previous Balance	Total				
City of Seaside Municipal Extraction		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				0.00				0.00	0.00						
Net In-lieu		30.38	8.23	2.58	41.19	2.94	11.67	53.76	68.37	14.36	0.00	0.00	14.36	0.00	0.00	0.00	0.00	123.92						
8,177.74																								

- Notes:
- * Pending Board approval regarding production without a functioning meter
 1. The Water Year (WY) begins October 1 and ends September 30 of the following calendar year. For example, WY 2026 begins on October 1, 2025, and ends on September 30, 2026.
 2. "Type" refers to water right as described in Seaside Basin Adjudication decision as amended, signed February 9, 2007 (Monterey County Superior Court Case No. M66343).
 3. Values shown in the table are based on reports to the Watermaster received by January 15, 2026.
 4. All values are rounded to the nearest hundredth of an acre-foot. Where required, reported data were converted to acre-feet utilizing the relationships: 325,851 gallons = 43,560 cubic feet = 1 acre-foot.
 5. "Base Operating Yield Allocation" values are based on Seaside Basin Adjudication decision. These values are consistent with the *Watermaster Producer Allocations Water Year 2025* (see Item IX.B. in 11/6/2024 Board packet).
 6. Any minor discrepancies in totals are attributable to rounding.
 7. APA = Alternative Producer Allocation; SPA = Standard Producer Allocation; CAW = California American Water.
 8. CAW/MPWMD ASR "Injection" and "Recovery" amounts are not expected to "balance" within each Water Year due to the injection recovery "rules" that are part of SWRCB water rights permits and/or separate agreements with state and federal resources agencies that are associated with the water rights permits.
 9. Cal-Am Toro Well #3 Destroyed 09/30/21
 10. Ryan Ranch and Bishop systems fed by Monterey Main System as of December 2020 – those wells eliminated from Cal-Am reporting as of January 15, 2025

Sustainable Groundwater Management Act Monthly Update June 2026

SUMMARY OF
PURE WATER MONTEREY, AND
SALINAS VALLEY AND
MARINA COAST WATER DISTRICT GROUNDWATER
SUSTAINABILITY AGENCY ZOOM MEETINGS
IN JUNE 2026

Note: This is a synopsis of information from these meetings that may be of interest to the Seaside Basin Watermaster

180/400-Foot Aquifer Subbasin GSP Implementation Committee Meeting, June 4, 2026:

I did not attend this meeting, as I did not see anything on its agenda that would directly impact the Watermaster. However, there were some items of interest to the Watermaster. These included:

- The preferred solution for managing seawater intrusion has not officially been adopted by the SVBGSA Board of Directors. However, SVBGSA intends to open the 90-day public comment period for the planned GSP amendments following the August 2026 SVBGSA Board of Directors meeting. At that meeting, the SVBGSA Board will be asked to approve preferred implementation strategy for meeting sustainable management criteria for all subbasins in SVBGSA jurisdiction. Hopefully this will include the SVBGSA Board's decision on what project(s) they intend to implement to meet the Sustainable Management Minimum Threshold for seawater intrusion into this aquifer.
- For the Brackish Groundwater Restoration Project (the seawater intrusion extraction barrier project) the treated extracted brackish water could be used either in lieu of groundwater for potable or non-potable uses or for groundwater injection directly improving groundwater levels and helping to push the seawater intrusion back toward the ocean. SVBGSA will be informing their Board that the preferred scenario is to use the treated brackish water for injection only. They believe this maximizes benefits to all groundwater users in the basin and is effective at raising groundwater levels. Under the injection-only scenario, instead of delivery of desalinated brackish groundwater to urban or agricultural end users coupled with injection, this project only includes injection into the 180-Foot and 400-Foot Aquifers inland of the seawater intrusion front. This project would provide no benefit to the Corral de Tierra subarea. Total estimated construction cost for this project is \$951 million, with an estimated unit cost of the water provided by this project of \$3,321/acre-foot.
- SVBGSA, with continued support from partner agencies, is developing a seawater intrusion response plan (SIRP) to deal with impacts within the seawater intruded area. Based on a monitoring plan, the SIRP will establish triggers and identify response measures if seawater intrusion is detected in new locations or if increased chloride concentrations render currently operable wells unusable. Although not yet established, triggers may include specific thresholds for water quality (e.g., chloride levels) and groundwater elevations that would result in activation of the response plan and

- Pumping reductions: Immediately decrease or halt pumping from contaminated wells. Implement mandatory water conservation measures during dry periods to reduce overall demand on the aquifer.
- Well mitigation: Implement small-scale treatment systems for domestic wells and small water systems.
- Relocation of wells: In severe cases, discontinue the use of contaminated wells and drill new wells in areas less susceptible to intrusion. For existing wells, consider reducing pump depth or using smaller pumps to minimize drawdown.
- Require well destruction: If monitoring identifies elevated chloride levels, require well owners to conduct an assessment to determine if intrusion is due to downward vertical migration, and require well destruction if the well increases risk of intrusion in the Deep Aquifers.
- Pumping schedules: Where there are multiple wells in a system, operators may alternate pumping times to allow for aquifer recovery and minimize localized drawdown.
- Development of alternative supplies: Implementation of water supply projects to provide alternative sources of water.
- Projects with recharge augmentation: Implement artificial recharge projects to raise the water table and create a freshwater barrier against saltwater. Sources can include stormwater capture, treated wastewater, or injection wells.

Monterey Subbasin GSP Implementation Committee Meeting, June 24, 2026:

Items of interest to the Watermaster that were discussed at this meeting included:

- Well registration is getting started in the Monterey subbasin pursuant to a recently enacted ordinance requiring this.
- Modeling activity issues that were discussed at other meetings I have previously reported on were also discussed at this meeting.
- New monitoring wells have been installed, seven in the Marina-Ord area and five in the Corral de Tierra/El Toro primary aquifer area.
- Direct hydrologic connection has been confirmed between the Monterey subbasin and the Seaside groundwater basin in the Paso Robles aquifer which is connected to the 400 foot aquifer in the 180/400 foot aquifer subbasin.
- There are two geologic “bowls” in the Corral de Tierra area, one referred to as the El Toro bowl and the other one is referred to as the Highway 68 bowl. The El Toro bowl is directly connected to the Laguna Seca subarea in the Seaside basin, but it is not connected to the Marina/Ord area.
- The EKI model (the Monterey Subbasin Groundwater Flow Model) is still going to be used by MCWD for local project evaluations, but the SWIM and the SVI HM models will be used for more regional evaluations.
- There was discussion about the SVBGSA’s follow-up actions to the DWR recommended corrective actions.
- It has been found to be infeasible to deliver water from the Groundwater Replenishment Project desalination plant to the Corral de Tierra area and it has been dropped from the list of potential future projects. This confirms previously reported conclusions from earlier meetings. Attached is a list of the current Projects and Management Actions being considered in the Monterey subbasin.

- I raised the need for demand management in the corral de Tierra area to move forward because all of the projects and management actions there collectively cannot achieve sustainability for that subarea. Ms. Hardgrave described the limitations of how much demand management could achieve there, but this will be pursued at some point in the future. It was noted that the Corral de Tierra area is outside of the jurisdiction of the MPWMD, so its conservation requirements do not apply. Cal Am conservation incentives that are being employed on the Peninsula could be extended into the Corral de Tierra area, and the County could enact more conservative requirements similar to those in effect within the MPWMD's jurisdiction. Ms. Hardgrave went on to say that they have not yet started looking into allocation controls (i.e. demand management) within the Corral de Tierra subarea.
- There were considerable disparaging comments about Cal Am by some committee members as well as members of the public for not limiting new connections as they purportedly had promised to do when they acquired several water companies within the corral de Tierra area, and for other actions Cal Am has taken.

Projects and Management Actions
Groundwater Sustainability Plan
Monterey Subbasin

Table 9-1. Summary of Projects and Management Actions

P/MA #	Name	Project Type / Water Supply	Description	Project Benefits / Quantification of Benefits	Cost
<i>Multi-basin Projects</i>					
R1	Seasonal Release with ASR and Direct Delivery	Direct delivery to Marina Ord	Release flows from reservoirs during the winter/spring when there's less water loss to the stream channels. Divert these flows and any additional Permit 11043 water available for diversion at the SRDF during winter/spring months. Flows released during winter/spring will be treated and then injected into the 180/400-Foot Aquifer Subbasin for CSIP users' extraction during the peak irrigation season and/or delivered for direct municipal use.	Reduced pumping in the principal aquifers resulting in an in-lieu recharge benefit. Potential direct benefit to Marina Ord/ Monterey Subbasin ranges from 1,600 acre-feet per year (AFY) currently up to 4,500 AFY by 2040 based on existing and projected MCWD winter/spring water demands (6 months).	Multi-subbasin Capital Cost: \$181 million Unit Cost for 12,900 AFY ASR: \$1,450/ acre-foot (AF) Unit Cost for 3,600 AFY direct delivery: \$1,100/AF <i>(distribution of benefits across subbasins will be determined through a benefits assessment)</i>
R2	Regional Municipal Supply	Direct delivery to Marina-Ord and Corral de Tierra	Build a regional desalination plant that would treat brackish water extracted from the seawater intrusion barrier and supply drinking water to municipalities in the	Estimated regional production at 15,000 AFY that will augment groundwater supplies. Portion of this benefiting the Marina-Ord/Monterey Subbasin has yet to be determined.	Multi-subbasin capital cost: \$385 million Unit cost for 15,000 AFY production: \$2,900/AF <i>(capital and unit costs do not include cost of the extraction)</i>

Projects and Management Actions
Groundwater Sustainability Plan
Monterey Subbasin

P/MA #	Name	Project Type / Water Supply	Description	Project Benefits / Quantification of Benefits	Cost
			Monterey Subbasin and other subbasins.		<i>barrier itself, which adds another \$1,200/AF)</i>
R3	Multi-benefit Stream Channel Improvements	Direct recharge to Corral de Tierra	Prune native vegetation and remove non-native vegetation, manage sediment, and enhance floodplains for recharge. Includes 3 components: 1. Stream Maintenance Program 2. Invasive Species Eradication 3. Floodplain Enhancement and Recharge	Component 1: Multi-subbasin benefits not quantified Component 2: Multi-subbasin benefit of 2,790 to 20,880 AFY of increased recharge Component 3: Multi-subbasin benefit of 1,000 AFY from 10 recharge basins	Component 1 Multi-subbasin Cost: \$150,000 for annual administration and \$95,000 for occasional certification; \$780,000 for the first year of treatment on 650 acres, and \$455,000 for annual retreatment of all acres Component 2 Multi-subbasin Average Cost: \$16,500,000 Unit Cost: \$60 to \$600/AF Component 3 Multi-subbasin Cost: \$11,160,000 Unit Cost: \$930/AF
Marina-Ord Area Local Projects and Management Actions					
M1	MCWD Demand Management Measures	Management Action	Provides in-lieu recharge through reducing groundwater demands.	Equivalent to a 2,500 AFY in-lieu recharge benefit at the current population.	\$350,000 to \$450,000 annually
M2	Stormwater Recharge Management	Direct recharge	Existing policies will facilitate and result in additional stormwater catchment and infiltration over time as redevelopment occurs	Under the existing urban development footprint approximately 550 AFY of stormwater is generated and infiltrated west of Highway 1. Groundwater modeling indicates that stormwater recharge catchment and recharge will increase to 1,100 AFY on average as further projected	No additional cost to implement

Projects and Management Actions
Groundwater Sustainability Plan
Monterey Subbasin

P/MA #	Name	Project Type / Water Supply	Description	Project Benefits / Quantification of Benefits	Cost
				development occurs which will increase net subbasin infiltration rates by 200 AFY to 500 AFY.	
M3	Recycled Water Reuse Through Landscape Irrigation and Indirect Potable Reuse	Direct and in-lieu recharge	Direct non-potable irrigation use and/or injection of advanced treated water from Monterey One Water (M1W) and extraction using existing MCWD wells or new production wells.	Approximately 2,200 AFY to 5,500 AFY advance treated recycled water available to MCWD based on current and projected wastewater flows.	Investments have already been made to deliver 1,427 AFY for landscape irrigation. Unit cost: \$2,400/AF Approximately 2,400 AFY recharge through IPR: Capital cost: \$65 million Unit cost: \$3,300/AF Costs per AF would likely decrease at higher production capacities due to economies of scale.
M4	Monitoring Well(s)	Data Gaps Filling	Installation of 400-Foot Aquifer and Deep Aquifer monitoring wells near the Seaside Subbasin boundary.	Would fill critical data gaps on hydrostratigraphy, seawater intrusion, and groundwater recharge mechanisms for the 400-Foot Aquifer and Deep Aquifers. It would also provide critical information for the design of recycled water reuse through IPR as described in M3.	Approximately \$1,100,000 includes cost of collection of soil cores and performance of hydraulic and geochemical analyses and bench scale pilot testing associated with the recycled water reuse through IPR as described in M3.

Projects and Management Actions
Groundwater Sustainability Plan
Monterey Subbasin

P/MA #	Name	Project Type / Water Supply	Description	Project Benefits / Quantification of Benefits	Cost
Corral de Tierra Area Local Projects and Management Actions					
C1	Pumping Allocation and Control	Management Action	Proactively determine how extraction should be fairly divided and controlled	Decreased extraction; range of potential benefits	\$500,000 for establishment of pumping allocations and controls
C2	Check Dams	Direct recharge	Construct check dams to slow surface water to increase recharge	On average, 150 AFY of streamflow recharged	Capital Cost: \$5,143,000 Unit Cost: \$2,830/AF
C3	Recharge from Surface Water Diversions	Direct recharge	Build a diversion facility(ies) that would divert water for recharge when streamflow is high	On average, 160 AFY of excess streamflow available for recharge.	Capital Cost: \$5,950,000 Unit Cost: \$3,050/AF
C4	Wastewater Recycling for Reuse	In-lieu recharge	Upgrade existing wastewater treatment plant and pipelines to expand beneficial reuse through irrigation and recharge	232 AFY	Capital Cost: \$28,635,000 Unit Cost: \$11,750/AF , with potential additional cost savings
C5	Decentralized Residential In-Lieu Recharge Projects	In-lieu recharge	Small-scale projects initiated by homeowners and business owners, including rooftop rainwater harvesting, rain gardens, and graywater systems	If 75 households install 5000-gallon rain barrels, up to 5.3 AFY rainwater harvested, and 0.97 AFY from graywater systems installed by 75 houses	Cost to GSA (not for homeowner implementation or incentives): \$50,000 for 5 workshops on rainwater harvesting and \$50,000 for 5 workshops on graywater reuse
C6	Decentralized Stormwater Recharge Projects	Direct recharge	Medium scale bioswales and recharge basins on non-agricultural land	If 1% of the Subbasin is converted from an area of runoff to an area of recharge, 182 AFY	Cost to GSA (not for implementation or incentives): \$150,000 - \$200,000 to encourage projects through outreach,

Projects and Management Actions
Groundwater Sustainability Plan
Monterey Subbasin

P/MA #	Name	Project Type / Water Supply	Description	Project Benefits / Quantification of Benefits	Cost
					site assessments, and assistance with planning
C7	Increase Groundwater Production in the Upper Corral de Tierra Valley for Distribution to Lower Corral de Tierra Valley (Artesian Well)	Direct delivery	Construct extraction well in the Upper Corral de Tierra Valley and pipe water down to Lower Corral de Tierra for direct use by water system in lieu of current extraction.	160 AFY	Capital Cost: \$13,275,000 Unit Cost: \$6,550/AF
Implementation Actions					
I1	Support Implementation of the 180/400-Foot Aquifer Subbasin GSP and Seaside Watermaster Actions	Implementation Action			Not estimated at this time
I2	Deep Aquifers Investigation	Data Gaps Filling	Support completion of study of the Deep Aquifers to enable better management of groundwater and seawater intrusion.	Increased understanding of Deep Aquifers	\$1,000,000 ⁵²
I3	Support Restrictions on Additional Wells	Implementation Action	Collaborate and provide input to Monterey County as it finalizes	Reduce rates of groundwater elevation decline in the Deep Aquifers and prevent potential seawater intrusion	Not estimated at this time

⁵² Reflects total multi-basin cost.

Projects and Management Actions
Groundwater Sustainability Plan
Monterey Subbasin

P/MA #	Name	Project Type / Water Supply	Description	Project Benefits / Quantification of Benefits	Cost
	in the Deep Aquifers		proposed modifications to the well construction ordinance.		
14	Adopt 2022/2023 Priority Actions for Deep Aquifers in Absence of New Well Construction Ordinance if Conditions Threaten Sustainability in Near Term	Implementation Action	To be determined (TBD). Priority actions will be developed based on findings reported from the Deep Aquifers study.	Reduce rates of groundwater elevation decline in the Deep Aquifers and prevent potential seawater intrusion	Not estimated at this time
15	Seawater Intrusion Working Group	Implementation Action	Participate in working group that is pulling together the best available science, data, and understanding of local seawater intrusion causes and potential resolutions.	An agreed-to approach for managing seawater intrusion	\$50,000 - \$75,000 ⁵³ per year
16	Seawater Intrusion Modeling	Implementation Action	Develop seawater intrusion model for the Monterey Subbasin.	Increased ability to understand impact of potential projects and management actions on seawater intrusion	Not estimated at this time
17	Incorporate Monterey Subbasin Model into the Salinas	Implementation Action	Refine construction and calibration of the SVIHM in the Monterey Subbasin using inputs developed	Produce an analytical tool that is capable of analyzing benefits and impacts of multi-subbasin projects	Not estimated at this time

⁵³ Reflects total multi-basin cost.

Projects and Management Actions
Groundwater Sustainability Plan
Monterey Subbasin

P/MA #	Name	Project Type / Water Supply	Description	Project Benefits / Quantification of Benefits	Cost
	Valley Integrated Hydrologic Model (SVIHM)		for the Monterey Subbasin Model.		
17	Well Registration	Implementation Action	Register all production wells, including domestic wells.	Better informed decisions, more management options	Not estimated at this time
18	Groundwater Extraction Management System (GEMS) Expansion and Enhancement	Data Gaps Filling	Update current GEMS program by collecting groundwater extraction data from wells in areas not currently covered by GEMS and improving data collection.	Better informed decisions	Not estimated at this time
19	Dry Well Notification System	Implementation Action	Develop a system for well owners to notify the GSA if their wells go dry. Refer those owners to resources to assess and improve their water supplies. Form a working group if concerning patterns emerge.	Support affected well owners with analysis of groundwater elevation decline	Not estimated at this time
110	Water Quality Coordination Group	Implementation Action	Form a working group for agencies and organizations to collaborate on addressing water quality concerns.	Improve water quality	Not estimated at this time
111	Land Use Jurisdiction Coordination Program	Implementation Action	Review land use plans and efforts to coordinate with land use planning agencies to assess activities that potentially	Join land use planning with water use planning	Not estimated at this time

Projects and Management Actions
Groundwater Sustainability Plan
Monterey Subbasin

P/MA #	Name	Project Type / Water Supply	Description	Project Benefits / Quantification of Benefits	Cost
			create risks to groundwater quality or quantity.		
I12	Arsenic Implementation Action	Implementation Action	Provides for additional analysis on the relationship between arsenic and groundwater conditions in the Corral de Tierra Area.	Affirm relationship between groundwater elevations and arsenic in the El Toro Primary Aquifer System.	Not estimated at this time

**SEASIDE GROUNDWATER BASIN
WATERMASTER**

TO: Board of Directors

FROM: Robert Jaques, Technical Program Manager

DATE: July 1, 2026

SUBJECT: Letter of Support for City of Seaside Project

RECOMMENDATIONS:

None required – information only

BACKGROUND:

Mr. Andreas Baer of the City of Seaside's Public Works Department solicited letters of support from various entities for its application under the State's SB 1 Sea Level Rise Adaptation Planning Grant Program for funding for the City's Sea Level Rise Vulnerability Assessment and Adaptation Plan (Project).

The proposed project is intended to help the City of Seaside better understand and prepare for the impacts of sea level rise, coastal flooding, salt water intrusion, stormwater infrastructure challenges, and coastal erosion affecting the Monterey Bay region. The project area includes the Seaside Ground Water Basin as well as other areas.

DISCUSSION:

Following approval from the Board Chair, the attached letter of support was provided to Mr. Baer.

ATTACHMENT:

Letter of Support



6/12/2026

California Ocean Protection Council (OPC)
Attention: SB 1 Sea Level Rise Adaptation Planning Grant Program
715 P St. 20th Floor
Sacramento, CA 95814

Subject: Support for City of Seaside Sea Level Rise Vulnerability Assessment and Adaptation Plan
Dear OPC SB 1 Grant Review Committee:

I am writing to express the Seaside Groundwater Basin Watermaster's support for the City of Seaside's Sea Level Rise Vulnerability Assessment and Adaptation Plan (Project).

The proposed project is intended to help the City of Seaside better understand and prepare for the impacts of sea level rise, coastal flooding, salt water intrusion, stormwater infrastructure challenges, and coastal erosion affecting the Monterey Bay region. The project area includes the Seaside Ground Water Basin as well as other areas.

The Project is expected to contribute to the City's goal of ensuring long term water supply reliability for the Monterey Peninsula by protecting the Seaside Basin from seawater intrusion and overdrafting.

Please feel free to reach out to me if you require any further information or would like to discuss this in more detail.

Sincerely,

Robert Jaques P.E.
Technical Program Manager
Seaside Groundwater Basin Watermaster

SEASIDE GROUNDWATER BASIN
WATERMASTER

TO: Board of Directors

FROM: Robert Jaques, Technical Program Manager

DATE: July 1, 2026

SUBJECT: Proposed New Monitoring Well Near Sentinel Well No. 4

RECOMMENDATIONS:

None required – information only

BACKGROUND:

As reported and discussed at the April 1, 2026, Board meeting, the Watermaster TAC discussed the potential benefit of installing a new shallow monitoring well near existing Sentinel Well No. 4. This is one of the four Sentinel Wells the Watermaster drilled in 2007 along the coast in what is now the Fort Ord Dunes State Park.

DISCUSSION:

Over the past 5 years, induction logging in Sentinel Well No. 4 has shown a steady increase in electrical conductivity. However, the Watermaster's updated 2025 *Seawater Intrusion Response Plan* requires specific water quality data to be obtained to determine if seawater intrusion is occurring before any of the response actions are triggered. Induction logging alone does not provide such data, it only indicates whether or not salinity is increasing. A new monitoring well in this location would enable collecting and analyzing water quality samples to provide data to help determine if any action should be triggered.

MPWMD staff has taken the lead in approaching State Parks to seek permission to install a new monitoring well near Sentinel Well No. 4. At the TAC's June 10, 2026, meeting Mr. Lear of MPWMD provided this update:

- MPWMD has reached out to State Parks, and a field meeting with them was held about two weeks ago.
- They discussed the proposed work to be done. State Parks will flag certain species sites that need to be protected.
- A track-mounted sonic drilling rig will be used to construct the well. This will be the least impactful method. MPWMD has located a driller who can perform work with this type of equipment and the driller provided a ballpark estimate of \$80,000 for a 4-inch diameter well.
- The site being considered is just east of the fence around the former pump station site.
- MPWMD is currently having a legal review done to determine if there are any environmental issues that need to be addressed. It is hoped that the environmental work done for the original installation the Sentinel wells may be sufficient. However, if additional environmental work is needed, then it would have to be performed before the well could be installed.
- Following that, and obtaining of permits, MPWMD would prepare a contract with the well driller.
- MPWMD will draft a cost-sharing agreement with the Watermaster for construction of this well.

If State Parks grants permission to install the monitoring well, the cost-sharing agreement would come to the Board for discussion and potential approval at a future Board meeting.

FISCAL IMPACT:

When the 2026 Monitoring and Management Program Capital Budget was prepared there was no contemplation of installing a new monitoring well in 2026. Therefore, no funds for that purpose were included in the budget.

If a new monitoring well is to be installed, revisions to the 2026 budget would need to be made to fund this work, or the work could be included in the 2027 Capital Budget.

ATTACHMENT:

None