MEETING NOTICE AND AGENDA

TECHNICAL ADVISORY COMMITTEE OF THE SEASIDE BASIN WATER MASTER

DATE: Wednesday November 13, 2024

MEETING TIME: 1:30 p.m.

THE TECHNICAL ADVISORY COMMITTEE MEETING WILL BE CONDUCTED BY TELECONFERENCE AND WILL NOT BE HELD IN THE MONTEREY ONE WATER OFFICES. YOU MAY ATTEND AND PARTICIPATE IN THE MEETING AS FOLLOWS:
JOIN FROM A PC, MAC, IPAD, IPHONE OR ANDROID DEVICE (NOTE: ZOOM APP MAY NEED TO BE DOWNLOADED FOR SAFARI OR OTHER BROWSERS PRIOR TO LINKING) BY GOING TO THIS WEB ADDRESS:

https://us02web.zoom.us/j/86031116821?pwd=RIfPNtluxxzANpjtZFfkbazbSapHrh.1

If joining the meeting by phone, dial this number:
+1 669 900 9128 US (San Jose)

If you encounter problems joining the meeting using the link above, you may join from your Zoom screen using the following information:
Meeting ID: 860 3111 6821
Passcode: 433391

TAC Member Teleconferencing Information is on the Next Page

OFFICERS
Chairperson: Jon Lear, MPWMD
Vice-Chairperson: Kim Shirley, City of Del Rey Oaks
MEMBERS

California American Water Company | **City of Del Rey Oaks** | **City of Monterey**
City of Sand City | **City of Seaside** | **Coastal Subarea Landowners**
Laguna Seca Property Owners | **Monterey County Water Resources Agency**
Monterey Peninsula Water Management District

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The next regular meeting is planned for Wednesday December 11, 2024 at 1:30 p.m.

TAC MEMBER TELECONFERENCING INFORMATION

``	ENTITY	LOCATION
Amy Woodrow	Monterey County Water Resources Agency	5 Carriage Way, Durham, NH.
Kim Shirley	City of Del Rey Oaks	4 Baxter Place, Del Rey Oaks, CA
Andreas Baer	City of Seaside	Engineering Trailer, 440 Harcourt Avenue Seaside, CA
David Pezzini	California American Water	511 Forest Lodge Rd. Suite 100 Pacific Grove, CA
Cody Hennings	City of Monterey	Monterey Public Library, Solarium Conference Room, 625 Pacific Street, Monterey, CA
Jon Lear	Monterey Peninsula Water Management District	5 Harris Court, Bldg. G, Monterey, CA
Leon Gomez	City of Sand City	City Hall in Sand City, 1 Pendergrass Way, Sand City, CA 93955
Paul Bruno	Coastal Subarea Landowners	192 Healy Ave, Marina, CA
Eric Tynan	Laguna Seca Subarea Landowners	11499 Geil Street Castroville, CA

SEASIDE BASIN WATER MASTER
TECHNICAL ADVISORY COMMITTEE

** * * AGENDA TRANSMITTAL FORM * * **

MEETING DATE:	November 13, 2024
AGENDA ITEM:	2.A
AGENDA TITLE:	Approve Minutes from the August 14, 2024 Meeting
PREPARED BY:	Robert Jaques, Technical Program Manager

SUMMARY:

Draft Minutes from this meeting were emailed to all TAC members. Any changes requested by TAC members have been included in the attached version.

ATTACHMENTS:	Minutes from this meeting
RECOMMENDED ACTION:	Approve the minutes

D-R-A-F-T
MINUTES

Seaside Groundwater Basin Watermaster
Technical Advisory Committee Meeting
August 14, 2024

Attendees: TAC Members

City of Seaside – No Representative
California American Water – David Pezzini
City of Monterey – Cody Hennings
Laguna Seca Property Owners – Eric Tynan
MPWMD – Jon Lear
MCWRA – Amy Woodrow
City of Del Rey Oaks – Kim Shirley
City of Sand City –Leon Gomez
Coastal Subarea Landowners – No Representative

Watermaster
Technical Program Manager-Bob Jaques

Others
MCWD – Patrick Breen
SVBGSA – Sarah Hardgrave
Montgomery & Associates – Derrik Williams, Georgina King, Pascual Benito, and Victoria Hermosilla

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The meeting was convened at 1:32 p.m. by Mr. Lear.

1. Public Comments
There were no public comments.

2. Administrative Matters:

A. Welcome New TAC Member Representing the Laguna Seca Subarea
Mr. Lear introduced Mr. Tynan who said he was glad to be serving on the TAC.

B. Approve Minutes from the July 9, 2024 Meeting
On a motion by Ms. Shirley, seconded by Mr. Pezzini, the minutes were unanimously approved as presented.

C. Sustainable Groundwater Management Act (SGMA) Update
Mr. Jaques introduced this item and there was no other discussion on it.

D. Update on Retrieval of Lost Datalogger from Sentinel Well No. 3
Mr. Jaques summarized the agenda packet materials for this item. Mr. Lear added that a new datalogger was installed the same day that the old data logger was retrieved. In response to a question from Mr. Tynan Mr. Lear said that the datalogger measures water level and temperature.

E. Presentation on Updated Groundwater Modeling Being Performed by the Salinas Valley Basin Groundwater Sustainability Agency

Mr. Jaques introduced this agenda item. Ms. Hardgrave introduced Victoria Hermosilla and Derrik Williams who made the PowerPoint presentations on the Hydrogeologic Conceptual Model. Copies of the PowerPoint slides are attached. The information they presented included:

- The model setting includes:
  - Geology
  - Extents lateral and vertical
  - Hydrogeology
  - Surface water
  - Water quality
- They collaborated with the Marina Coast water District GSA and their consultant EKI, Cal Am, and the SVBGSA and MCWDGSA committees
- A comprehensive review of published data was performed including:
  - The 2016 seismic study
  - Well completion reports
  - Groundwater flow model data
  - AEM DWR and deep aquifers survey
  - Seismic data from USGS
- For the Seaside Basin they were able to update:
  - Offshore bathymetry and geology:
    - They did not see any outcropping of the Paso Robles or Santa Margarita layers into Monterey Bay along the coastline of the Seaside Basin, but the Paso Robles does outcrop offshore of the Salinas Valley Basin along the coastline of the 180/400- foot aquifer subbasin.
    - The Deep Aquifers extend into the northeast portion of the Seaside Basin. Mr. Benito clarified that in the Seaside Subbasin the term "deep aquifer" is used to refer only to the aquifer comprised of the Santa Margarita and Purisima Formations. Whereas in the Salinas Valley Basin, the "Deep Aquifers" are defined as those below the 400 foot/Deep Aquitard and include portions of Paso Robles Formation, as well as the Santa Margarita, and Purisima Formations.
    - New fault folding and uplift data is being incorporated in the HCM.
    - There is a bedrock depression across the Laguna Seca Subarea and the Corral De Tierra Subarea. This is new information and will redefine the geologic understanding of this area. The bedrock goes to the surface between the Corral de Tierra and Toro subareas of the Monterey Subbasin.
- They are in the process of updating the Seawater Intrusion Model which they expect to have complete in a few weeks. They will then test the updated model to see how it performs.
- The Seawater Intrusion Model connects the Seaside Basin with the rest of the Salinas Valley Basin subbasins. Its near-term use will be to evaluate seawater intrusion in the 180/400-foot Aquifer Subbasin, and the impacts of potential projects and program management actions that are part of the Groundwater Sustainability Plan for the 180/400-foot Aquifer Subbasin.

3. Approve Proposal from Montgomery & Associates to Update the Seawater Intrusion Response Plan

Mr. Jaques summarized the agenda packet materials for this item. Ms. Shirley asked if Mr. Jaques had any concerns about the budget. Mr. Jaques responded no and that he felt the budget was reasonable for the work to be performed. A motion was made by Mr. Gomez, seconded by Mr. Tynan, to approve the proposal and the motion passed unanimously.

4. Discuss Updating the Seaside Basin Groundwater Model in 2025

Mr. Jaques summarized the agenda packet materials for this item.

Mr. Benito explained that the ballpark cost estimate provided to Mr. Jaques was based on updating the existing Seaside Basin Model. He said it might be less costly to adopt another model to replace the existing Seaside Basin Model, but that won't be known without digging into what the work would entail.

Mr. Lear said that the MPWMD is interested in what the new model would be used for, since the current model is used for the Pure Water Monterey project permit process.

There was some question-and-answer with regard to what needs to be updated and what other models would be considered in the evaluation described under Recommendation No. 2 on page 21 of the agenda packet.

Mr. Lear said it is important to understand the cross-boundary flows between the Seaside and Monterey Subbasins. The flow divide between these two basins moves in response to pumping and precipitation. The recommendation No. 2 evaluation should examine this. Mr. Jaques pointed out that it also needs to be recognized that the boundary of the Seaside Basin is contained in the Adjudication Decision and is what the Watermaster is charged with managing.

Mr. Lear said he is currently having Montgomery and Associates examine the flow divide issues including flow directions and quantities, and will have a report prepared by them soon.

A motion was made by Mr. Tynan, seconded by Ms. Shirley, to approve the Technical Program Manager's Recommendations 1 through 3 on page 21 of the agenda packet, with editing to Recommendation No. 2 to address Mr. Lear's comments. The motion passed unanimously.

5. Approve Monitoring and Management Program (M&MP) for FY 2025

Mr. Jaques summarized the agenda packet materials for this item. Mr. Lear said he would abstain from voting since MPWMD uses Montgomery and Associates as their consultant.

Ms. Shirley asked if Mr. Jaques felt the budget for the groundwater model updating task was sufficient. Mr. Jaques responded that he hoped that it would be, but that there would also be a contingency line item that could be used to augment that budget amount if needed. A motion was made by Ms. Shirley, seconded by Mr. Gomez, to approve the Monitoring and Management Program for Fiscal Year 2025 and the motion passed unanimously with Mr. Lear abstaining.

6. Approve the FY 2025 Monitoring and Management Program (M&MP) Operations and Capital Budgets

Mr. Jaques summarized the agenda packet materials for this item. Ms. Shirley said that she agreed with all the changes reflected for this item in the agenda packet, but wondered if an increase this large in the budget amount from year-to-year is normal. Mr. Jaques said this would be probably the largest increase in many years, but that the budget does go up and down from year-to-year.

A motion was made by Ms. Shirley, seconded by Mr. Tynan, to approve the Fiscal Year 2025 Monitoring and Management Program Operations and Capital Budgets, and the motion passed unanimously.

[Note: at this point in the meeting Mr. Tynan had to depart due to another commitment.]

7. Schedule

Mr. Jaques reported that there were no schedule updates from the prior schedule.

8. Other Business

There was no other business.

The meeting adjourned at 3:32 p.m.

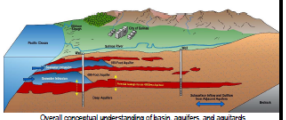
Coastal Hydrogeologic Conceptual Model (HCM) Updates

MONTGOMERY & ASSOCIATES
Water Resource Consultants

Presented to: Seaside Watermaster
August 14, 2024
Prepared by:
Victoria Hermosilla, P.G., Montgomery & Associates, and Tina Wang, EKI Environmental

Hydrogeologic Conceptual Model – Framework

- Setting
- Geology
  - Formations, Structure, Soils
- **Extents**
  - Lateral, Vertical
- Hydrogeology
  - Aquifers, Aquitards, Properties, Recharge, Discharge
- Surface Water
  - Watersheds, Surface Water Bodies
- Water Quality
  - Chemistry, Seawater Intrusion



Overall conceptual understanding of basin, aquifers, and aquitards

Collaboration and Support on HCM Updates

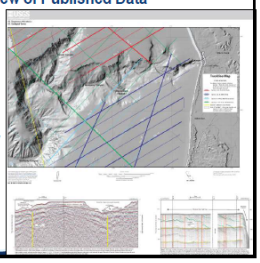
- Marina Coast Water District GSA / EKI Environment & Water
- Cal-Am
- Presented to Groundwater Technical Advisory Committee (June 2024)
- Presented to Steering Committee (July 2024)

Data

Existing, Added

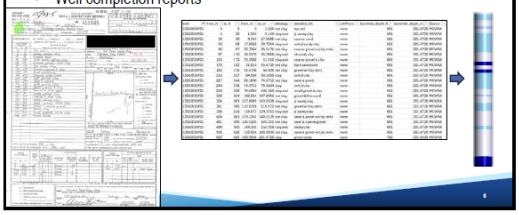
Comprehensive Review of Published Data

- Published Cross-Sections & Reports
  - Harding ESE, 2001 – Fort Ord Investigation
  - GeoSyntec, 2007 – Toro Groundwater Study
  - GeoSyntec, 2010 – Toro Study Follow up Cross-Sections
  - Feeney/Rosenberg, 2003 – Deep Aquifers Tech Memo
  - Kennedy/Jenks, 2004 – N. Salinas Valley Hydrostratigraphy
  - Maier et. al., 2016 – Monterey Bay Seismic Study
  - Thorup, 1976-1983 – Hydrological Report of Deep Aquifers



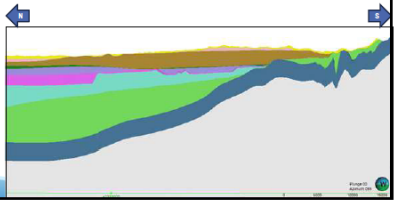
Incorporation of Well Completion Report Data

- Well completion reports



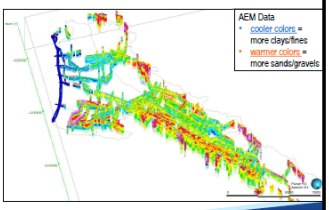
Updated Groundwater Flow Model Data

- SVIHM model layers from the USGS, currently reviewing & updating



Incorporation of Geophysical Data

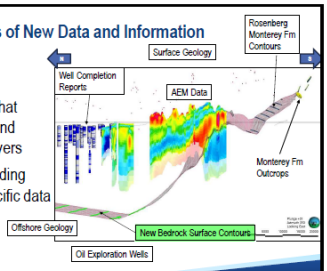
- Airborne Electromagnetic (AEM) Data
  - DWR Survey Area 1
  - DWR Survey Area 8
  - Deep Aquifers Survey
- Seismic Data
  - USGS 2016 Seismic Data in Monterey Bay



Methods

Synthesis of New Data and Information

- Review data together
- Assign selected data that define the new HCM and groundwater model layers
- Create new corresponding model layers with specific data anchors

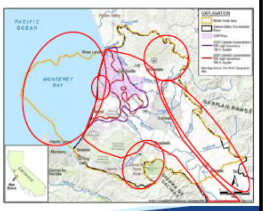


Results

Overview of Hydrogeologic Conceptual Model (HCM) Updates for Groundwater Flow Models

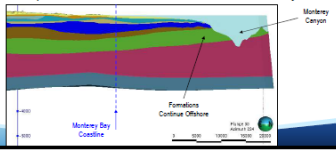
- Eastside bedrock
- Langley fractured granite
- Offshore Bathymetry
- Refinement of aquitards
- Deep Aquifers extent
- Corral de Tierra

Related to Seaside Basin



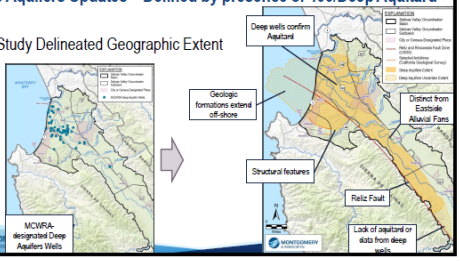
Bedrock and Offshore Bathymetry Changes

- Raised and smoothed bedrock surface
- Bedrock = Monterey Shale and/or Crystalline rocks
- Key data: oil exploration wells, 2016 USGS Seismic study



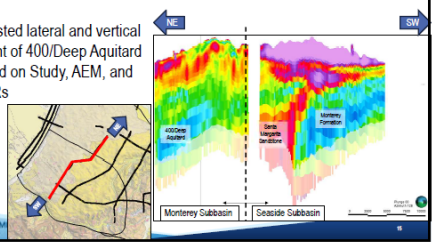
Deep Aquifers Updates – Defined by presence of 400/Deep Aquitard

- Study Delineated Geographic Extent



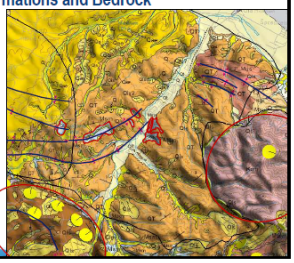
Deep Aquifers Study Results Incorporation – Confirms Seaside Model

- Adjusted lateral and vertical extent of 400/Deep Aquitard based on Study, AEM, and WCRs



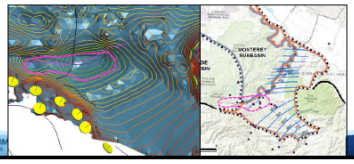
Uplift of Formations and Bedrock

- Bedrock = Monterey Shale and/or Crystalline rocks
- Notice
  - Surficial outcrops of Santa Margarita Sandstone, Monterey Formation, and crystalline rocks
  - Lots of folding and faulting



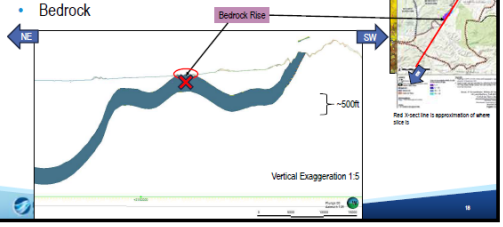
HCM Updates for Monterey Subbasin

- Seaside/Laguna Seca Corner – related with same bedrock bowl
- Collect more water level data, aquifer test data: possibly monitor together



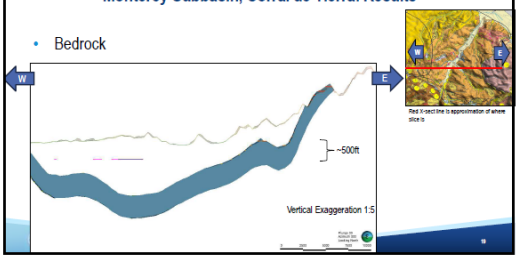
Monterey Subbasin, Corral de Tierra: Results

- Bedrock



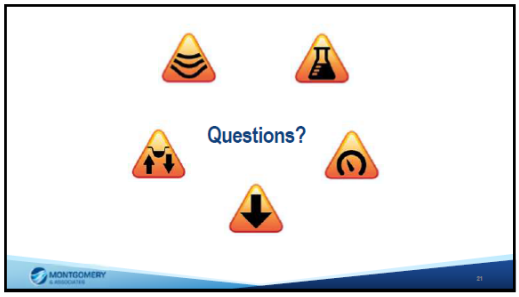
Monterey Subbasin, Corral de Tierra: Results

- Bedrock



Updated HCM – Next Steps

- SWI Model updated layering and recalibration
- Continued agency collaboration


Questions?

SEASIDE BASIN WATER MASTER
TECHNICAL ADVISORY COMMITTEE

** * * AGENDA TRANSMITTAL FORM * * **

MEETING DATE:	November 13, 2024
AGENDA ITEM:	2.B
AGENDA TITLE:	Sustainable Groundwater Management Act (SGMA) Update
PREPARED BY:	Robert Jaques, Technical Program Manager

At the State level:
Since the last TAC meeting I have not received anything from the State that impacts the Watermaster.

At the Monterey County level:
Attached are summaries of meetings held in August through October 2024.

ATTACHMENTS:	Meeting Summaries
RECOMMENDED ACTION:	None required – information only

SUMMARY OF PURE WATER MONTEREY, AND SALINAS VALLEY AND MARINA COAST WATER DISTRICT GROUNDWATER SUSTAINABILITY AGENCY ZOOM MEETINGS IN AUGUST 2024

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, August 1, 2024:
At this meeting there were a number of mostly administrative issues such as the periodic review of the GSP, how to improve/maintain facilities to be able to carry out the GSP management actions and projects, how the CSIP is being operated, etc.

An item of interest to the Watermaster was the presentation by Lydia Holmes of Carollo Engineers regarding the Seawater Intrusion Extraction Barrier and Desalination Project. It was similar to ones in the past, but included some updated information:

- They are updating the feasibility study using groundwater models to refine the conceptual design.
- The desalinated water would go to agricultural and urban users in multiple locations. The Seaside Basin continues to be left out of the distribution of desalinated water. Among other locations, the desalinated water will go to the Corral de Tierra and Toro areas, as well as to MCWD and many other locations.
- They will only provide one level of desalination treatment, they will not produce "designer water qualities" for different types of end use.
- They estimate the total urban demand within the 180/400-foot and Deep aquifer service areas to be 24,893 acre-feet per year. The public water service purveyors to which desalinated water would be provided were Alco Water Service, California Water Service, Castroville Water District, and Marina Coast water District. Cal Am was not listed as a potential recipient of desalinated water.
- The desalination plant is expected to run at a steady-state production rate of 4,275 acre-feet per month. The total amount of desalinated water produced per year will therefore be about 51,300 acre-feet. In winter months when demand is less than the supply, they will inject the excess desalinated water into the aquifers.
- They estimate they will need to extract over 100,000 acre-feet per year to meet the GSP's SWI objective. That objective is to prevent seawater intrusion from extending further inland than it had been determined to be at a prior point in time (I believe that point in time was 2015).
- They have optimized the extraction well locations. Most of them are along the coast but some are along Highway 1, a little further inland.
- They are evaluating three sizes of extraction well fields:
    - A small one extracting about 40,000 acre-feet per year
    - A medium-size one extracting about 67,000 acre-feet per year, and
    - The large one expected to extract about 100,000 acre-feet per year.
- They pointed out that the smaller projects will provide less extraction and less desalinated water than the large one.

SVBGSA Advisory Committee Meeting, August 15, 2024:
At this meeting there were a number of administrative issues but items of interest to the Watermaster included:

- The ASR and Seawater Extraction Barrier feasibility studies need to be completed earlier than originally expected, since the Department of water resources has directed that they be included in the January 2025 annual report. Therefore, the draft feasibility studies will be completed by November 2024.
- Lisa Horta of Montgomery and Associates provided an overview presentation on the ASR feasibility study:
    - New alternatives have been developed in recent weeks
    - The concept is to store water in the ground in the north end of the 180/400 foot aquifer by extracting and injecting more Salinas River Diversion Facility (SRDF) water than the Castroville Seawater Irrigation Project (CSIP) needs in order to raise groundwater levels by leaving the excess water in the ground.
    - This will require a water treatment plant to meet drinking water quality standards before it can be injected
    - Requires reoperation of reservoir releases and SRDF diversions and adjustments and improvements to the operation of CSIP
    - Feasibility study will evaluate whether the ASR project will enable the 180/400 foot aquifer to meet its Groundwater Sustainability Plan Minimum Threshold of stopping the advance of sea water intrusion.
    - Reservoir reoperation has constraints with regard to water rights, permit issues, operational issues, and infrastructure capacity limitations.
    - May not have enough water to address seawater intrusion in both the 180 foot and 400 foot aquifers
    - New alternative to the original GSP ASR concept: Make ASR a stand-alone project with its own (new) separate SRDF, and inject only (no extraction) with all injected water left in the aquifer
    - Many problems/constraints have been identified from the preliminary analysis
    - Initial conclusion is that there is not enough water available to stop seawater intrusion via an ASR project
    - Continuing to do modeling and will have preliminary feasibility study later this fall.
    - Sarah Hardgrave reported that the feasibility studies focus only on the technical aspects, not the economic (cost) aspects. Those will be evaluated later if the project proves to be technically feasible
    - Participants/attendees felt that willingness to pay for this project, and how costs would be assessed, may show that the project is economically infeasible. Ms. Hardgrave reported that the SVBGSA Board just approved doing some work to assess this.
- Lydia Holmes of Carollo Engineers provided an overview presentation of the Seawater Intrusion Extraction Barrier with Desalination Treatment and delivery for beneficial urban and agricultural use. It was much like the earlier presentations described in my earlier meeting summaries, but here are some recent updates:
    - They have added inland injection wells to store excess production quantities over demand amounts to help raise groundwater levels to help push back the seawater intrusion front
    - The total demand for water from the desalination plant is projected to be about 25,000 acre-feet per year for urban users and about 9,000 acre-feet per year for agricultural users
    - The desalination plant production capacity is expected to be a steady 4,275 acre-feet per month throughout the year.
    - They will need to extract between 40,000 to 100,000 acre-feet per year to meet GSP objectives
    - The Measurable Objective is to pull the intruded zone back to Highway 1; the Minimum Threshold is to hold intrusion to 2017 levels. To achieve the Measurable Objective they will need to extract about 100,000 acre-feet per year. The desalination plant is expected to recover about 70% of that amount. To achieve the Minimum Threshold will need to

extract about 40,000 acre-feet per year, again with a 70% recovery factor for the desalination plant

- Each extraction well is actually a pair of wells, one of them goes into the 180 foot aquifer and the other goes into the 400 foot aquifer.
- The feasibility study of this project will include cost information and is expected to be available in November 2024.
- Mr. Jaques commented on two items:
  - There may be limitations for Monterey One Water's outfall to accept brine discharges from both this proposed project and the Cal Am desalination plant. He noted that Cal Am is currently in discussions with Monterey One Water about use of the outfall for brine disposal and has reported that there may be some limitations there.
  - The Corral de Tierra and Toro subareas of the Monterey Subbasin will need to get supplemental water in order to achieve sustainability, according to the GSP. The smaller of the projects that the extraction barrier and desalination plant is considering do not provide desalinated water to those areas.
- There was much participants/attendee input with regard to the high costs and how the projects can be paid for. It was wondered if Federal funding could be obtained.
- Ms. Hardgrave said they are in contact with the Coastal Commission staff with regard to permit issues, and are looking into Bureau of Reclamation funding opportunities.
- Norm Groot (one of the participants or attendees) asked how long these projects will take to achieve their goals. He was concerned that they may not achieve their goals before the 2040 compliance deadline occurs.

SUMMARY OF
PURE WATER MONTEREY, AND
SALINAS VALLEY AND
MARINA COAST WATER DISTRICT GROUNDWATER SUSTAINABILITY AGENCY ZOOM MEETINGS
IN SEPTEMBER 2024

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, September 5, 2024:
The agenda materials for this meeting were similar to those from other meetings that I attended, so I did not attend this meeting.

SVBGSA Groundwater Technical Advisory Committee Meeting, September 18, 2024:
There were two agenda items of interest to the Watermaster. One was a further update on the Hydrogeologic Conceptual Model (HCM) by Montgomery & Associates and the other was an update on the Salinas Valley Integrated Hydrogeologic Model (SVIHM) by the United States Geological Survey.

The HCM update at this meeting focused on basins not adjacent to the Seaside Basin, but in the presentation it was reported that the depths and extents of some of the Salinas Valley aquifers and aquicludes were considerably different than previously understood. This may change the groundwater modeling projections in those portions of the Salinas Valley Basin.

The SVIHM update was to report on progress by the USGS in completing the development and calibration of this model, which covers a very large area. It extends throughout the entire Salinas Valley Basin and beyond. The completed model is expected to become available either late this year or early next year. The findings from it will be incorporated into the HCM.

SUMMARY OF
PURE WATER MONTEREY, AND
SALINAS VALLEY AND
MARINA COAST WATER DISTRICT GROUNDWATER SUSTAINABILITY AGENCY ZOOM MEETINGS
IN OCTOBER 2024

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

SVBGSA/MCWDGSA Steering Committee Meeting, October 10, 2024:
The purpose of this Committee is for the two GSAs to coordinate their activities, share data, and keep each other abreast of progress on actions being taken.

At this meeting there was discussion of the ongoing work to refine and improve calibration of the Seawater Intrusion Model. Its simulated seawater intrusion front contours were compared to the measured seawater intrusion front contours prepared by the MCWRA. The simulations approximate the locations of the MCWRA contours, but work is still in progress for the model to more closely predict the measured contours. The model predicts that by the year 2070, if no projects are implemented to slow or halt seawater intrusion, the intrusion front will have advanced clear into the City of Salinas.

MCWD described its indirect potable reuse project, which is one of the projects in the Monterey Subbasin GSP. The feasibility study of this project is underway. Work has progressed to the point that the location of the injection well and the two monitoring wells have been defined. The project will operate similarly to the Pure Water Monterey Project, by taking approximately 827 AFY of reclaimed water from the PWM Advanced Water Treatment Plant, injecting it into the aquifer via a 1,000 GPM injection well at a depth of approximately 1,300 feet, and having the water withdrawn by existing MCWD production wells that are some distance away from the injection location. The travel time in the aquifer from the time of injection to the time of extraction will be quite long (on the order of decades), much longer than the underground retention time required by State regulations. .

MCWD is also installing additional monitoring wells (another of the projects in its GSP), and will also be videoing existing monitoring wells FO-10 and FO-11, both of which have been monitored under the Watermaster's monitoring network. FO-10 Deep was believed to be experiencing cross-aquifer contamination from a shallow aquifer to a deeper aquifer. Presumably the videoing of it may provide an explanation for the higher chloride levels being detected in the groundwater samples from the deep aquifer.

Monterey Subbasin GSP Implementation Committee Meeting, October 16, 2024:
At its October 10, 2024 meeting the SVBGSA Board adopted revisions to its membership requirements for its subbasin implementation committees that allow the membership to include representatives of adjacent basins, including adjudicated basins. At that same meeting the Board approved me for membership on the Monterey Subbasin GSP Implementation Committee, so this was my first Committee meeting as a member, not just as an attendee as has been the case in the past. As a Committee member, I need to participate in the entire meetings, even when there are issues that are not of direct concern to the Watermaster.

In addition to myself, members of this Committee include representatives from the Marina Coast water District; residents of Marina, San Benancio, and Corral de Tierra; a representative from the SVBGSA

Board of Directors; California Water Services; and the League of Women's Voters. Some of the residential representatives are growers and others are homeowners.

- Patrick Breen of Marina Coast water District was reelected as the Chair, Jeff Hibino was elected as the Vice Chair, Robert Long was elected as the Advisory Committee representative with Beverly Bean as his alternate.
- They will be, or are already are, putting in some additional monitoring wells in the Corral de Tierra area. At least one of these is going to be, or is, adjacent to the boundary between the Laguna Seca subarea and the Corral de Tierra management area.
- A new Monterey County ordinance has been adopted which will require well registration of all wells, including the small producers which are designated as "deminimis" wells meaning they produce less than 2 acre-feet per year. The deminimis wells may be exempt from metering requirements.
- They will be looking for opportunities to reduce water usage in residential units by such things as improved irrigation practices, installation of low-flow water fixtures etc.
- They will initially focus on the "low hanging fruit" such as demand management, decentralized storm water capture and reuse, supply from the 180/400 foot seawater intrusion extraction barrier desalination plant, voluntary efficiency programs, and land use actions such as a landscape ordinance and zoning changes. Demand management is currently being evaluated on a basin-wide basis, not specifically just for the Monterey subbasin. In that evaluation they are focusing on approaches other than just water allocations.
- Montgomery and Associates does not see any way to achieve sustainability in the Corral e Tierra area without reducing water extraction, i.e. demand management. The larger more effective projects will be very expensive and some are all proved to be infeasible.
- California American Water got a bad rap from one member who reported a very unsatisfactory experience in terms of response when he called in to report a water leak in the Corral de Tierra area.
- The State has recently developed "water use objectives" that could be applied in the Corral de Tierra area if the SGMA allows that. For example daily residential water usage caps.
- There was likely discussion about the voluntary efficiency programs for residences-what they would consist of, how they would be carried out, and how effective they would be.
- I reported I will be recommending to our Board to update our groundwater model in 2025 so it will coordinate well with the Monterey subbasin model that has been developed by EKI. I also asked them to add the Seaside Basin Watermaster to their list of partner agencies that they will coordinate with. (Given all of our interactions on groundwater matters with the SVBGSA over the past several years, I thought it was strange that the Watermaster was not currently on that list.)

Water Quality and Operations Committee Meeting, October 23, 2024:

Information provided at this meeting included:

- As of 10/22/24 the PWM Project had injected 920 AF this year and the amount of water in the Operating Reserve was 2,189 AF.
- The underground retention time requirement of a minimum of 4 months was met at all times. The recent retention times ranged from 5.7 to 7.9 months.
- With regard to water quality there were some minor sampling/analysis variances, but all water quality requirements including the log reduction requirements were met at all times.
- MCWD will be increasing the number of sites which will be served with reclaimed water for irrigation, rather than using potable water.
- Construction of Cal Am's Extraction Wells No. 1 and 2 is in progress. These will increase the extraction capacity to match the increase in water injected from the PWMX Project.

- There is no change to the schedule for construction of the PWMX Project. It is still scheduled to be completed in late 2025.

SEASIDE BASIN WATER MASTER
TECHNICAL ADVISORY COMMITTEE
** * * AGENDA TRANSMITTAL FORM * * **

MEETING DATE:	November 13, 2024
AGENDA ITEM:	3
AGENDA TITLE:	Approve Initial RFSs for Montgomery & Associates, MPWMD, Martin Feeney, and Todd Groundwater for 2025
PREPARED BY:	Robert Jaques, Technical Program Manager

SUMMARY: Attached are the proposed initial contracts for each of the Watermaster's consultants that are expected to work on M&MP activities in 2025. Montgomery & Associates (M&A), Martin Feeney, and Todd Groundwater are currently working under a master form of agreement with the Watermaster called a "Professional Services Agreement" (PSA). Actual work assignments are made through the issuance of Requests for Service (RFS) under the umbrella language of the PSA. MPWMD is working under a Master Agreement that MPWMD developed in 2021. Rather than RFSs, this new Master Agreement calls for actual work assignments to be made through the issuance of "Scopes of Work" (SOW) under the umbrella language of the Master Agreement.

The attached RFSs and the one SOW constitute the proposed initial 2025 work assignments for each of these consultants as follows:

- Montgomery & Associates RFS No. 2025-01 covering their providing general hydrogeologic consulting services and for providing assistance in preparing documents that the Watermaster will need to submit to fulfill its reporting requirements under the Sustainable Groundwater Management Act.
- Montgomery & Associates RFS No. 2025-02 covering their preparing the 2025 SIAR.
- MPWMD SOW No. 2025-01 covering their anticipated 2025 M&MP tasks, and covering their obtaining water quality and water level data from private producers who ask the Watermaster collect this data for them. The costs for the latter work are reimbursed by the private producers, and there is no net cost to the Watermaster for performing that work.
- Martin Feeney RFS No. 2025-01 covering his providing general as-requested hydrogeologic consulting services.
- Todd Groundwater RFS No. 2025-01 covering their providing general as-requested hydrogeologic consulting services.

These consultants have reviewed the cost and scope details of these proposed contracts and their input has been included in the attached versions of the contracts.

If geochemical modeling needs to be performed on Cal Am's desalination plant water in 2025, and if that indicates the need to develop mitigation measures for possible adverse impacts from introducing non-native water into the Basin, I will develop an additional RFS for Montgomery & Associates during 2025 to use the Seaside Basin Groundwater Model to provide information to MPWMD's consultant to use in performing that geochemical modeling to develop such mitigation measures. Funds for this additional RFS have been included in the M&MP Operations Budget for 2025. When and if drafted, the RFS would come to the TAC for approval before going to the Board.

SEASIDE BASIN WATER MASTER
TECHNICAL ADVISORY COMMITTEE
**** * * AGENDA TRANSMITTAL FORM * * ****

AGENDA ITEM:	3 (Continued)

These contracts are on today's agenda to provide the TAC with the opportunity to raise questions or make suggestions for changes to the scopes-of-work or costs before they are presented to the Board for approval at the Board's December meeting, in order to ensure the contacts can be in effect at the start of 2025.

In 2024 Martin Feeney announced that he will no longer be able to manage the induction logging of the four Sentinel Wells located along the coastline in the former Fort Ord. That work was taken over by MPWMD, and their Scope of Work includes this additional work. However, Mr. Feeney said he would remain available to provide when-requested consulting services to the Watermaster.

ATTACHMENTS:	5 - Proposed Consultant Contracts for FY 2025 (2 RFSs – Montgomery & Associates, 1 RFS – Martin Feeney, 1 RFS – Todd Groundwater, 1 SOW - MPWMD)
RECOMMENDED ACTION:	Discuss and either modify or approve the proposed contracts

SEASIDE BASIN WATERMASTER
REQUEST FOR SERVICE

DATE: January 1, 2025

RFS NO. 2025-01
(To be filled in by WATERMASTER)

TO: Georgina King
Montgomery & Associates
PROFESSIONAL

FROM: Robert Jaques
WATERMASTER

Services Needed and Purpose: General hydrogeologic consulting and document preparation services. See Scope of Work in Attachment 1.

Completion Date: All work of this RFS shall be completed not later than December 31, 2025, and shall be performed in accordance with the Schedule contained in Attachment 2.

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

Total Price Authorized by this RFS: $15,694.00 (Cost is authorized only when evidenced by signature below.) (See Attachment 1 for 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

On an ongoing and as-requested basis, PROFESSIONAL will provide general hydrogeologic consulting services to WATERMASTER on a variety of topics. These may include, but not be limited to interpretation of water level and water quality data collected by WATERMASTER, BMAP and SIRP implementation issues, and preparation of documents for WATERMASTER's use in fulfilling its Sustainable Groundwater Management Act reporting requirements.

Providing these services will likely involve attending certain of WATERMASTER's Technical Advisory Committee (TAC) meetings, most of which will be attended remotely. These TAC meetings do not include special TAC or other meetings which may be required as part of performing other work which may be authorized under other RFSs issued to PROFESSIONAL by WATERMASTER. Any such other scope and cost proposals will incorporate costs for those meetings.

The Tasks in WATERMASTER's 2025 Monitoring and Management Program (M&MP) to which this RFS No. 2025-01 pertains are:

M. 1. c & M.1. d - Preparation and Attendance of Meetings
M. 1. e - Peer Review of Documents and Reports
M.1.g – Sustainable Groundwater Management Act Documentation Preparation

ESTIMATED COSTS

Tasks M.1.c, M.1.d, and M.1.e: General Consulting Services will consist of working on these Tasks and attending some TAC and other meetings either remotely or in-person in Monterey, as requested by WATERMASTER.

$12,570 in labor, travel, and incidental costs of this RFS No. 2025-01 are allocated to performing work on these Tasks.

Task M.1.g: Section 10720.8 of the Sustainable Groundwater Management Act (SGMA) requires adjudicated basins to submit annual reports. Most of the documentation that needs to be reported is already generated by the WATERMASTER in conjunction with preparing its own Annual Reports. However, information regarding changes in basin storage is not currently generated. PROFESSIONAL will provide an estimate of the change in basin storage under this RFS No. 2025-01.

$3,124 in labor costs of this RFS No. 2025-01 are allocated to performing work for Task M.1.g.

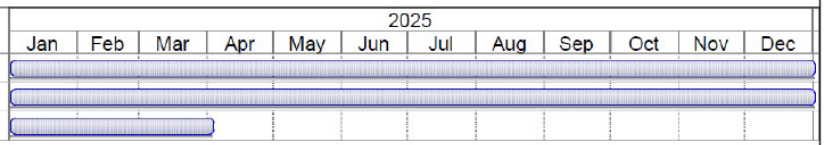
All work under this RFS No. 2025-01 will be billed at the hourly rates shown in the table below, including all markups and other direct costs. The total cost authorized by this RFS No. 2025-01 is $15,694.00. These costs are summarized in the table below.

Task	Hours			Costs		
	Derrik William	Georgina King	Staff	Consulting Fees	Expenses	Total Costs
	$290/hr	$265/hr	$172/hr			
Prepare 2025 Change in Storage Calculation per SGMA Requirements	0	4	12	$3,124	$0	$3,124
General Consulting	10	30	10	$12,570	$0	$12,570
TOTALS	**10**	**34**	**22**	**$15,694**	**$0**	**$15,694**

ATTACHMENT 2
SCHEDULE

Montgomery & Associates RFS No. 2025-01
Work Schedule

ID	Task Name	2025
		Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
1	**M. 1. c - Preparation and Attendance of Meetings**	
2	**M. 1. e - Peer Review of Documents and Reports**	
3	**M.1.g - SGMA Document Preparation**	



Montgomery & Associates RFS No 2025-01 Schedule 10-19-24 Page 1

SEASIDE BASIN WATERMASTER
REQUEST FOR SERVICE

DATE: 1/1/2025

RFS NO. 2025-02
(To be filled in by WATERMASTER)

TO: Georgina King
PROFESSIONAL

FROM: Robert Jaques
WATERMASTER

Services Needed and Purpose: Prepare the Seawater Intrusion Analysis Report for 2025. See Scope of Work in Attachment 1.

Completion Date: All work of this RFS shall be completed not later than December 31, 2025, and shall be performed in accordance with the Schedule contained in Attachment 2.

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

Total Price Authorized by this RFS: $30,050.00 (Cost is authorized only when evidenced by signature below.) (See Attachment 3 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 preparation of the 2025 Seawater Intrusion Analysis Report (SIAR).

To promote efficiency, much of the text and graphics from the 2024 SIAR will be incorporated directly into the 2025 SIAR.

Preparing the 2025 SIAR will involve analyzing all water quality data at the end of Water Year 2025 (October 1, 2024 to September 30, 2025) and producing semi-annual (2nd and 4th quarters 2025) chloride concentration maps for each aquifer in the Basin. Time series graphs, trilinear graphs, and stiff diagram comparisons will be updated with new data. Second and fourth quarter groundwater elevation maps will also be produced. The annual EM logs will be analyzed to identify changes in seawater wedge locations. A determination of whether there is any evidence of seawater intrusion will be made, and recommendations will be included as warranted.

Water level and water quality data for WY 2025 will be provided to PROFESSIONAL in MS Access format. PROFESSIONAL will put this data into a report format and will include it as an attachment to the 2025 SIAR.

A Draft 2025 SIAR will be provided to WATERMASTER in electronic (not printed) form for review. WATERMASTER will provide its review comments and those of its TAC members through direct discussions with PROFESSIONAL at a TAC meeting which PROFESSIONAL will attend remotely via teleconference or Zoom. In addition to these oral comments, some TAC members may also provide recommended editorial changes electronically directly to PROFESSIONAL. These comments will be addressed in a Final 2025 SIAR. PROFESSIONAL will also present the Final version of the SIAR to the Board at a meeting which PROFESSIONAL will attend remotely via teleconference or Zoom. A PDF and MS Word version of the Final 2025 SIAR will be provided to WATERMASTER. No printed copies of the 2025 SIAR will be required.

ATTACHMENT 2

Montgomery & Associates RFS No. 2025-02
Work Schedule

ID	Task Name	Qtr 1, 2025			Qtr 2, 2025			Qtr 3, 2025			Qtr 4, 2025		
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	**I.4.c Annual Seawater Intrusion Analysis Report (SIAR)**												
2	HydroMetrics Provides Draft SIAR to Watermaster											◆ 11/10	
3	TAC Approves Annual Seawater Intrusion Analysis Report (SIAR)											◆ 11/19	
4	Board Approves Annual Seawater Intrusion Analysis Report (SIAR)												◆ 12/3
5													
6													
7													
8													
9													
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16													
17													
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19													
20													

2 Montgomery RFS No 2025-02 Schedule 10-18-24 Page 1

ATTACHMENT 3

DETAILED BREAKDOWN OF ESTIMATED COSTS

Note: Regardless of the use of the term "Estimated Cost" in this RFS, if the work of this RFS is to be compensated for using Lump Sum Payment method, it is understood and agreed to by PROFESSIONAL that the Total Price listed on page 1 of this RFS is binding and limiting as defined in Section V of the Agreement.

2025 Seawater Intrusion Analysis Report

Task	Hours		Costs		
	Georgina King	Staff	Consulting Fees	Expenses	Total Costs
	$265/hr	$172/hr			
Prepare 2025 SIAR, including added appendices for groundwater levels and quality	32	108	$27,056	$0	$27,056
Prepare for and Attend One TAC Meeting and One Board Meeting Online to Present Results of SIAR	10	2	$2,994	$0	$2,994
TOTALS	**42**	**110**	**$30,050**	**$0**	**$30,050**

SEASIDE BASIN WATERMASTER
REQUEST FOR SERVICE

DATE: January 1, 2025

RFS NO. 2025-01
(To be filled in by WATERMASTER)

TO: Martin Feeney
Martin Blair Feeney
PROFESSIONAL

FROM: Robert Jaques
WATERMASTER

Services Needed and Purpose: Consultation and other hydrogeologic services. See Scope of Work in Attachment 1.

Completion Date: All work of this RFS shall be completed not later than December 31, 2025.

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

Total Price Authorized by this RFS: $4,000.00 (Cost is authorized only when evidenced by signature below.) (See Attachment 1 for derivation of this Total Price).

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

On an ongoing and as-requested basis, PROFESSIONAL will provide general hydrogeologic consulting services to WATERMASTER on a variety of topics. These may include, but not be limited to, interpretation of water level and water quality data, and seawater intrusion analysis issues. In addition PROFESSIONAL may be asked by the Monterey Peninsula Water Management District (MPWMD) to provide support in performing induction logging of WATERMASTER's Sentinel Wells, work which in the past PROFESSIONAL has performed.

Providing these services may involve attending certain of WATERMASTER's Technical Advisory Committee (TAC) and /or Board meetings, most of which will be attended telephonically or via Zoom.

Consulting services will be provided at the rate of $210/hour. Related other direct costs (such as travel costs) will be billed at actual cost. Services under this RFS No. 2025-01 will only be provided when specifically requested by WATERMASTER.

The total cost authorized by this RFS No. 2025-02 is $4,000.

SEASIDE BASIN WATERMASTER
REQUEST FOR SERVICE

DATE: January 1, 2025

RFS NO. 2025-01
(To be filled in by WATERMASTER)

TO: Gus Yates
Todd Groundwater
PROFESSIONAL

FROM: Robert Jaques
WATERMASTER

Services Needed and Purpose: See Scope of Work in Attachment 1.

Completion Date: All work of this RFS shall be completed not later than December 31, 2025.

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

Total Price Authorized by this RFS: $4,000.00 (Cost is authorized only when evidenced by signature below.) (See Attachment 1 for 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

On an ongoing and as-requested basis PROFESSIONAL will provide hydrogeologic consulting services to WATERMASTER on groundwater modeling and related topics. These may include, but not be limited to, responding to questions regarding the Seaside Basin Model that HydroMetrics WRI and Montgomery & Associates has prepared for WATERMASTER, assisting in the interpretation of modeling results, and other related activities.

Providing these services may involve attending certain of WATERMASTER's Technical Advisory Committee (TAC) meetings, which will normally be attended telephonically or via Zoom.

Estimated Costs

Consulting services provided under this RFS No. 2025-01, including attending meetings either remotely or in-person as requested by WATERMASTER, will be billed at PROFESSIONAL's standard hourly rates for calendar year 2025, including all markups and other direct costs.

The total cost authorized by this RFS No. 2025-01 is $4,000.00.

SEASIDE BASIN WATERMASTER
SCOPE OF WORK

Note**:** The work described in this Scope of Work (SOW) will be performed in accordance with the terms and conditions set forth in the Master Services Agreement for Groundwater Monitoring and Database Services (Agreement) executed between the Monterey Peninsula Water Management District (DISTRICT) and the Seaside Groundwater Basin Watermaster (WATERMASTER), with an effective date of January 1, 2022.

DATE: January 1, 2025

SOW NO. 2025-01
(To be filled in by WATERMASTER)

TO: Jonathan Lear
DISTRICT

FROM: Robert Jaques
WATERMASTER

Services Needed and Purpose:
Perform certain Tasks contained within the Watermaster's Monitoring and Management Plan for 2025 (M&MP) (See detailed Scope of Work in Attachment 1).

Schedule:
The work of this SOW No. 2025-01 shall be completed in accordance with the column titled "Schedule" in Table 1 of Attachment 1, and at the frequencies shown in Table 2 of Attachment 1..

Method of Compensation:
Time and Material Payment Method (As defined in Section 6 of the Agreement).

Total Price Authorized by this SOW:
$ 81,556.00 (See Attachment 1 for a Breakdown of this Total Price. Cost is authorized only when evidenced by signature below.)

Total Price may not be exceeded without prior written authorization by WATERMASTER in accordance with Section 6 of the Agreement (Payment of Services).

Requested by: _____ Date:_____.
WATERMASTER

Agreed to by: _____ Date:_____.
DISTRICT

ATTACHMENT 1

Detailed Scope of Work for SOW No. 2025-01

Background:

This SOW No. 2025-01 authorizes DISTRICT to perform certain work on certain of the Tasks described in the WATERMASTER's 2025 M&MP. The Task numbers listed in the first column of Table 1 below correspond to the Task numbers in the 2025 M&MP. The Task numbers listed in the second column of Table 1 correspond to DISTRICT's task numbering system.

The wells from which water level and water quality data are to be obtained are listed below in Table 2.

Table 1. Scope of Work and Costs							
WATERMASTER M&MP Task No.	DISTRICT Task No.	Description	Time (Hours)	Rate	Cost	Comments	Schedule
I.2.b.2	1	**Collect Monthly Water Levels**					
		Collect Monthly Water levels at 20 wells	96	$128	$12,288		Ongoing
I.2.b.2	2	**Collect Quarterly Water Levels**					
		Collect Quarterly Water levels at 8 wells	32	$128	$4,096		Ongoing
I.2.b.3	3	**Collect Quarterly Water Quality Samples**					
		Collect 8 Water Quality Samples Quarterly (32 total Samples)	64	$128	$8,192		Ongoing
		Order bottles and COC to Laboratory	4	$128	$512		
I.2.b.3	4	**Collect Annual Water Quality Samples**					
		Collect 12 Water Quality Samples Annually	16	$128	$2,048		Ongoing
		Order bottles and COC to Laboratory	1.5	$128	$192		
		RMA/Procure Replacement pump and Deploy (replaces one pump)	8	$128	$1,024	Only if necessary	
I.2.a.1	5	**Enter Water Level Data QA/QC**					
		Enter Qa/QC 272 Water Level Measurements Collected by MPWMD	20	$128	$2,560		Ongoing
		Enter Qa/QC 264 Water Level Measurements Reported to Watermaster	20	$128	$2,560		Ongoing
I.2.a.1	6	**Enter Water Quality Data QA/QC**					
		Enter Qa/QC 45 Water Quality Samples Collected by MPWMD	40	$128	$5,120		Ongoing
		Enter Qa/QC 12 Water Quality Samples Reported to Watermaster	16	$128	$2,048		Ongoing
I.2.b.7	7	**Upload Water Level Data to CASGEM**					
		Upload 536 Water Level Measurements to DWR Database	24	$128	$3,072		Ongoing
I.2.b.6	8	**Provide Data Tabulation for SIAR Appendix**					
		Tabulate and Transfer Water Level and Quality Data to Watermaster Consultant	16	$255	$4,080		November-25
I.2.a.1	9	**Respond to Data Requests**					
		Produce Data Requests as Necessary	10	$255	$2,550	Only if necessary	
I.2.b.2	10	**Annual Data Logger Downloads and Data Transfer**					
		Download Loggers Field Work	24	$128	$3,072		
		Transfer data	4	$255	$1,020		October-25
		Exchange logger if not working RMS process (replaces one logger)	4	$128	$512	Only if necessary	
		Answer questions re transferred logs	2	$255	$510	Only if necessary	
		Program and Deploy New Data Logger	2	$128	$256	Only if necessary	
I.2.b.3	11	**Water Quality Sample for Camp Huffman**					Not sampled in 2025
		Air lift samples from Camp Huffman Deep and Shallow	0	$128	$0		
		Air lift samples from Camp Huffman Deep and Shallow	0	$255	$0		
I.2.b.3	12	**Sentinel Well MPWMD Labor**	12	$128	$1,536		October-25
I.2.b.3	N/A	**Administrative Staff**					
		Create Billings and Cut Checks to Water Quality Laboratory	8	$95	$760		Ongoing

Table 1 Labor and Other Direct Costs Summary						
WATERMASTER M&MP Task No.	DISTRICT Task No.	Item	Quantity	Rate	Subtotal	
		Labor (Hours)	423.5	Varies	$58,008	
I.2.b.2	1, 2, 3, 4, and 10	Estimated Fleet Support (Mileage)	850	$ 0.67	$570	
I.2.b.3	12	Pacific Surveys - Sentinel Well Induction Logging	1	$ 13,440	$13,440	
I.2.b.3	3 and 4	Watermaster Standard Panel Laboratory Analysis (Number of Analyses)	39	$ 192	$7,488	
I.2.b.3	11	Air Compressor rental (Camp Huffman)	0	$ -	$0	Not sampled in 2025
I.2.b.3	3 and 4	Fuel (CO2 Bottle) to run sample pump	10	$ 25	$250	
I.2.b.3	3 and 4	Replacement Low Flow Pump	1	$ 950	$950	Only if necessary
I.2.b.2	1, 2, and 10	Replacement Data Logger	1	$ 850	$850	Only if necessary
		TOTAL			$81,556	

If necessary total = $6,652

Note: Fleet Support, Laboratory Fees, Co2 Bottle Exchange, Data Loggers, and Sample Pumps are estimated costs.
Direct costs incurred by District will be passed through to the Watermaster according to the Time and Expense method in the Master Services Agreement.

Table 2.

Monthly Water Levels

1. MSC - Shallow
2. MSC - Deep
3. FO 10 (S)
4. FO 10 (D)
5. CDM MW-1
6. CDM MW-2
7. CDM MW-3
8. CDM MW-4
9. Plumas 1990 Test
10. K-Mart
11. MW-BW-08A
12. MW-BW-09
13. Sand City Public Works
14. CAW Granite Construction
15. Cypress Pacific
16. Dand City - Design Center
17. DBO - Target
18. MMP - MM Production
19. PCA West (S)
20. PCA West (D)

Quarterly Water Levels

1. SBWM MW-1
2. SBWM MW-2
3. SBWM MW-3
4. SBWM MW-4
5. Camp Huffman (S)
6. Camp Huffman (D)
7. Shea
8. Laguna Seca Driving Range

Quarterly Water Quality Sampling

1. PCA W (S)
2. PCA W (D)
3. MSC (S)
4. MSC (D)
5. FO 09 (D)
6. FO 10 (S)
7. FO 09 (S)

Annual Water Quality Sampling

1. PCA E (S)
2. PCA E (D)
3. Ord Terrace (S)
4. FO 10 (D)
5. CAW Del Monte Observation
6. Sand City Public Works
7. Laguna Seca County Park #2
8. York School
9. Laguna Seca Golf New #12
10. Pasadera Main Gate
11. Cypress Pacific
12. MMP - MM Production
13. Camp Huffman (S and D) (Not sampled in 2025)

Water Level Data Reported to Watermaster

1. SNG
2. LSCP
3. Nicolas
4. City of Seaside
5. CalAm

SEASIDE BASIN WATER MASTER
TECHNICAL ADVISORY COMMITTEE

** * * AGENDA TRANSMITTAL FORM * * **

MEETING DATE:	November 13, 2024
AGENDA ITEM:	4
AGENDA TITLE:	Schedule
PREPARED BY:	Robert Jaques, Technical Program Manager

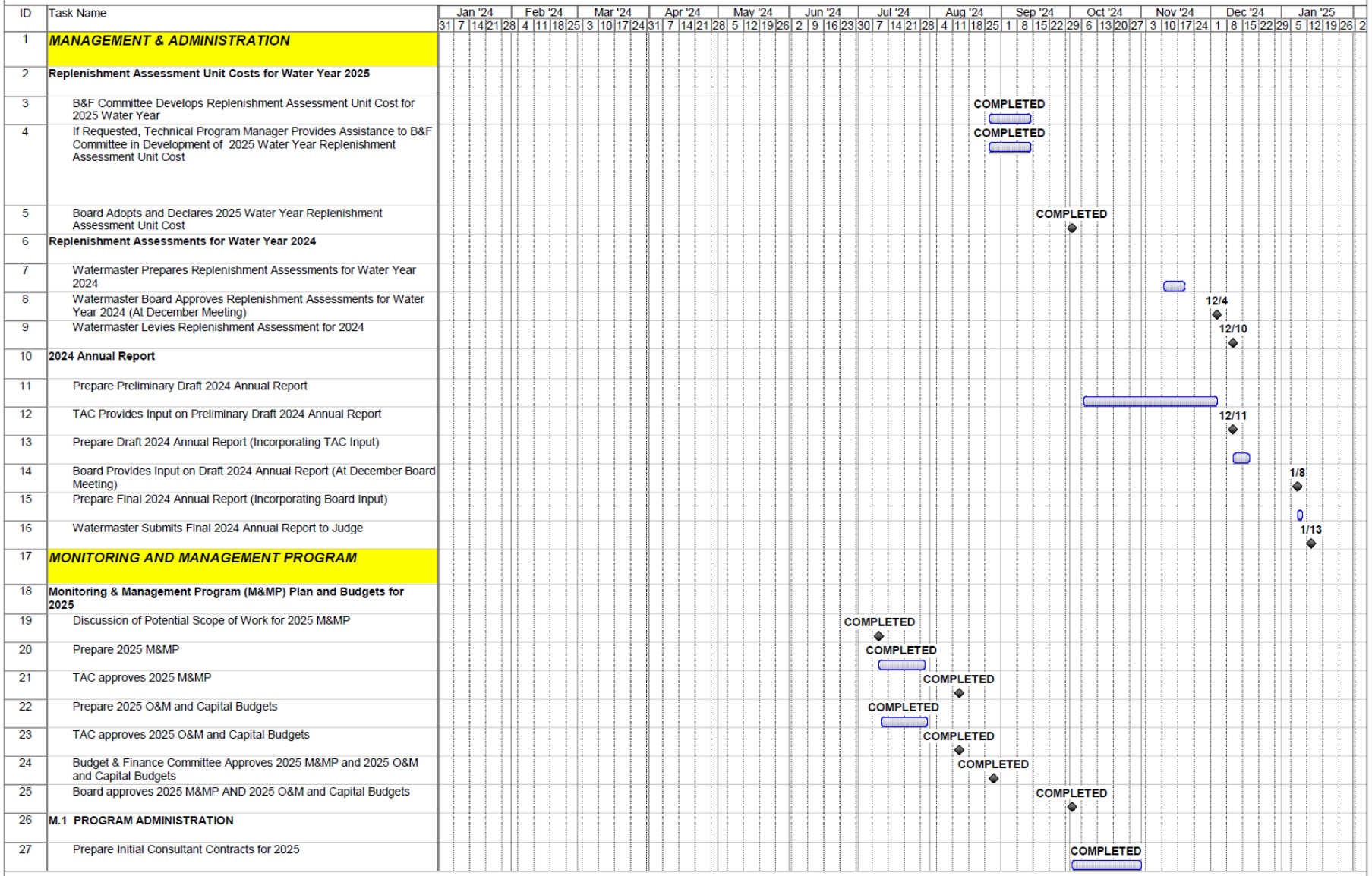
SUMMARY:

As a regular part of each monthly TAC meeting, I will provide the TAC with an updated Schedule of the activities being performed by the Watermaster, its consultants, and the public entity (MPWMD) which are performing certain portions of the work.

Attached is the updated schedule for 2024 activities.

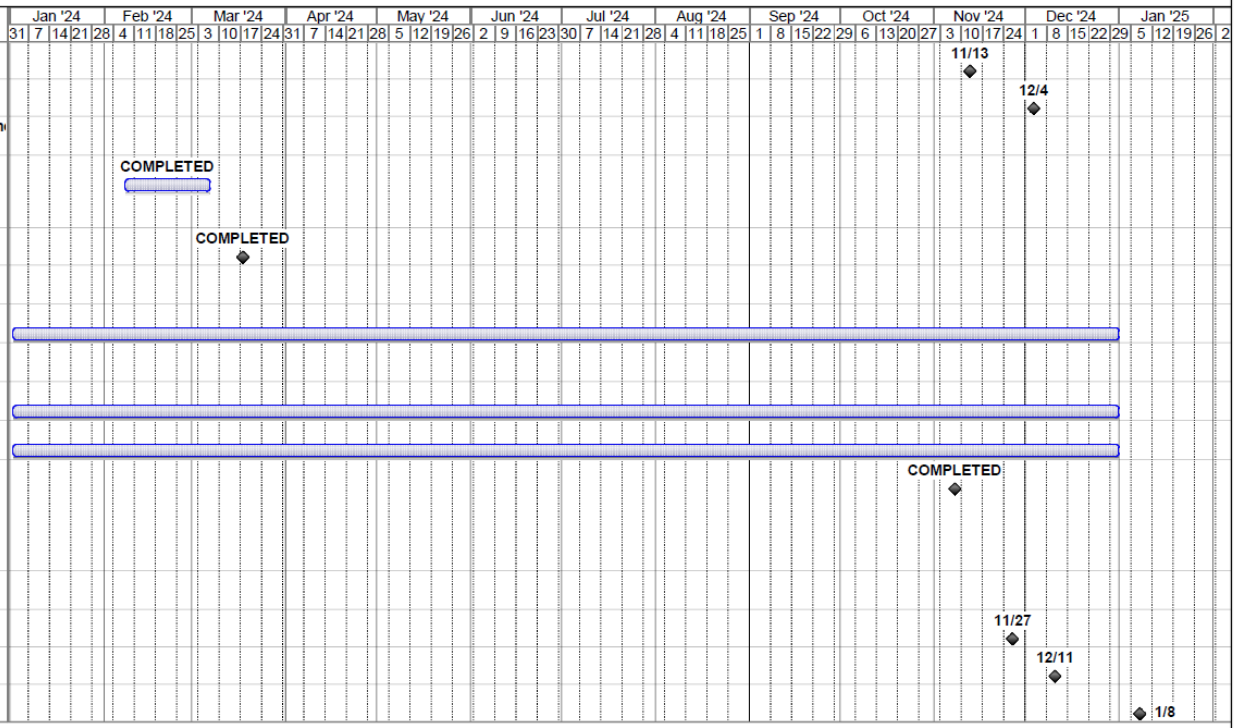
ATTACHMENTS:	Updated Schedule of Work Activities for FY 2024
RECOMMENDED ACTION:	Provide Input to Technical Program Manager Regarding Any Corrections or Additions to the Schedules

Seaside Basin Watermaster
2024 Monitoring and Management Program
Work Schedule



Seaside Basin Watermaster
2024 Monitoring and Management Program
Work Schedule

ID	Task Name
28	TAC Approval of Initial Consultant Contracts for 2025
29	Board Approval of Initial Consultant Contracts for 2025
30	**M.1.g – Sustainable Groundwater Management Act Reporting Requirem**
31	Montgomery & Associates Prepares Draft Groundwater Storage Analysis
32	Submit SGMA Documentation to DWR
33	**I.2.a DATABASE MANAGEMENT**
34	**I.2.a.1 Conduct Ongoing Data Entry/Database Maintenance**
35	**I.2.b DATA COLLECTION PROGRAM**
36	**I.2.b.2 Collect Monthly Water Levels (MPWMD)**
37	**I.2.b.3 Collect Quarterly Water Quality Samples (MPWMD)**
38	**I.2.b.6 MPWMD provides annual water quality and water level data to Montgomery & Associates for inclusion in the 2024 SIAR**
39	**I.4.c Annual Seawater Intrusion Analysis Report (SIAR)**
40	Montgomery & Associates Provides Draft 2024 SIAR to Watermaster
41	TAC Provides Comments/Questions About Draft 2024 SIAR to Technical Program Manager
42	Board Approves 2024 SIAR



SEASIDE BASIN WATER MASTER
TECHNICAL ADVISORY COMMITTEE

** * * AGENDA TRANSMITTAL FORM * * **

MEETING DATE:	November 13, 2024
AGENDA ITEM:	5
AGENDA TITLE:	Other Business
PREPARED BY:	Robert Jaques, Technical Program Manager

SUMMARY:
The "Other Business" agenda item is intended to provide an opportunity for TAC members or others present at the meeting to discuss items not on the agenda that may be of interest to the TAC.

ATTACHMENTS:	None
RECOMMENDED ACTION:	None required – information only