

Committee Members
 City of Seaside
Victor Damiani - Chair
 California American Water
Chris Cook
 City of Sand City
Mary Ann Carbone
 Coastal Subarea Landowners
Paul Bruno

**SEASIDE GROUNDWATER BASIN WATERMASTER
 NOTICE
 BUDGET AND FINANCE COMMITTEE
 MEETING TUESDAY, APRIL 27, 2021
 11:00 A.M. – via Zoom Teleconference**

AGENDA

IN KEEPING WITH GOVERNOR NEWSOMS EXECUTIVE ORDERS N-29-20 AND N-35-20, THE BUDGET AND FINANCE COMMITTEE MEETING WILL NOT BE HELD IN PERSON 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/81162749412?pwd=RnF3V2FkdllhMY3AvSTBDK1NweXA0dz09>

If joining the meeting by phone, dial either of these numbers:

+1 408 638 0968 US (San Jose) +1 669 900 6833 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: 811 6274 9412 Password: 827831**

The public may comment 3 minutes on any item within the committee’s jurisdiction.

Action Item:

1. Consider recommending to the Watermaster Board the following 2021 Watermaster Monitoring and Management Program Operations Fund Budget adjustments:
 - a. Transfer \$10,338.50 from the Monitoring and Management Program Contingency line-item to Subtask I.2.b.3 to cover the cost of Amendment No. 1 to Martin Feeney RFS No. 2021-01 3
 - b. Transfer \$2,000.00 from the Monitoring and Management Program Contingency line-item to Subtask I.2.b.3 to cover the cost of Amendment No. 1 to Monterey Peninsula Water Management District RFS No. 2021-01 11
 - c. Transfer \$35,000.00 from Monitoring and Management Program Operations Fund Basin Management line-item to Technical Program Manager line-item to cover the cost of additional workload..... 15

If requested, the agenda and documents in the agenda packet shall be made available in appropriate alternative formats to persons with a disability, as required by Section 202 of the Americans with Disabilities Act of 1990 (42 U.S.C. Sec. 12132), and the federal rules and regulations adopted in implementation thereof.

ATTACHMENT 1

Monitoring and Management Program Operations Budget For Tasks to be Undertaken in 2021							Comparative Costs from 2020 Budget	
Task	Subtask	Sub-Subtask	Cost Description	CONSULTANTS & CONTRACTORS ⁽³⁾				Total
				MPWMD	Private Consultants	Contractors		
Labor								
			Technical Project Manager	\$0	\$60,000	\$0	\$60,000	\$50,000
M.1 Program Administration								
	M.1.a		Project Budget and Controls	\$0	\$0	\$0	\$0	\$0
	M.1.b		Assist with Board and TAC Agendas	\$0	\$0	\$0	\$0	\$0
	M.1.c, M.1.d, & M.1.e		Preparation for and Attendance at Meetings and Peer Review of Documents and Reports ⁽⁸⁾	\$0	\$23,000	\$0	\$23,000	\$19,000
	M.1.f		QA/QC	\$0	\$0	\$0	\$0	\$0
	M.1.g		SGMA Documentation Preparation	\$0	\$2,320	\$0	\$2,320	\$2,000
I.1 Initial Phase 1 Monitoring Well Construction (Task Completed in Phase 1)								
I.2 Production, Water Level and Quality Monitoring								
	I.2.a.		Database Management					
		I.2.a.1.	Conduct Ongoing Data Entry/ Database Maintenance/Enhancement ⁽¹⁵⁾	\$14,604	\$2,400	\$0	\$17,004	\$17,004
		I.2.a.2.	Verify Accuracy of Production Well Meters	\$0	\$0	\$0	\$0	\$0
	I.2.b.		Data Collection Program					
		I.2.b.1.	Site Representation and Selection ⁽⁷⁾	\$0	\$0	\$0	\$0	\$0
		I.2.b.2.	Collect Monthly Water Levels ⁽⁶⁾	\$3,726	\$0	\$0	\$3,726	\$3,726
		I.2.b.3.	Collect Quarterly Water Quality Samples and Perform Sentinel Well Induction Logging ⁽¹⁾⁽⁵⁾⁽⁶⁾	\$23,550	\$0	\$22,551	\$42,101	\$42,801
		I.2.b.4.	Update Program Schedule and Standard Operating Procedures.	\$0	\$0	\$0	\$0	\$0
		I.2.b.5.	Monitor Well Construction ⁽⁷⁾	\$0	\$0	\$0	\$0	\$0
		I.2.b.6.	Reports	\$2,086	\$0	\$0	\$2,086	\$2,086
		I.2.b.7.	CASGEM Data Submittal for Watermaster's Voluntary Wells	\$5,940	\$0	\$0	\$5,940	\$8,940
I.3 Basin Management								
	I.3.a.		Enhanced Seaside Basin Groundwater Model	(Costs Shown in Subtasks Below)				
		I.3.a.1.	Update the Existing Model ⁽¹¹⁾	\$0	\$0	\$0	\$0	\$0
		I.3.a.2.	Develop Protective Water Levels ⁽¹²⁾	\$0	\$0	\$0	\$0	\$0
		I.3.a.3.	Evaluate Replenishment Scenarios and Develop Answers to Basin Management Questions ⁽¹⁰⁾	\$0	\$70,000	\$0	\$70,000	\$20,000
	I.3.b.		Complete Preparation of Basin Management Action Plan	\$0	\$0	\$0	\$0	\$0
	I.3.c.		Refine and/or Update the Basin Management Action Plan	\$0	\$0	\$0	\$0	\$0
	I.3.d.		Evaluate Coastal Wells for Cross-Aquifer Contamination Potential	\$0	\$0	\$0	\$0	\$0
	I.3.e.		Seaside Basin Geochemical Model ⁽¹³⁾	\$0	\$10,000	\$0	\$10,000	\$10,000
I.4 Seawater Intrusion Contingency Plan								
	I.4.a.		Oversight of Seawater Intrusion Detection and Tracking	\$0	\$0	\$0	\$0	\$0
	I.4.b.		Provide focused area hydrogeologic investigation for Sand City Public Works Well ⁽¹⁶⁾	\$0	\$0	\$0	\$0	\$0
	I.4.c.		Annual Report- Seawater Intrusion Analysis	\$1,192	\$26,310	\$0	\$27,502	\$25,322
	I.4.d.		Complete Preparation of Seawater Intrusion Response Plan ⁽²⁾⁽¹⁶⁾	\$0	\$0	\$0	\$0	\$0
	I.4.e.		Refine and/or Update the Seawater Intrusion Response Plan ⁽²⁾⁽⁹⁾	\$0	\$0	\$0	\$0	\$0
	I.4.f.		If Seawater Intrusion is Determined to be Occurring, Implement Contingency Response Plan ⁽²⁾	(No Costs are Included for This Task, as This Task Will Likely Not be Necessary During 2021. If it Does Become Necessary, Use of Contingency Funds or a Budget Modification Will Likely be Necessary)				
TOTALS CONSULTANTS & CONTRACTORS				\$51,098	\$194,030	\$22,551		
SUBTOTAL not including Technical Program Manager =							\$207,679	\$150,879
Contingency (not including Technical Program Manager) @ 10% ⁽⁴⁾ =							\$16,368	\$15,088
Technical Program Manager =							\$60,000	\$50,000
TOTAL=							\$284,047	\$215,967

**SEASIDE GROUNDWATER BASIN
WATERMASTER**

TO: Budget and Finance Committee

FROM: Robert S. Jaques, Technical Program Manager
Formatted for Budget & Finance Committee meeting by Laura Paxton, Administrative Officer

DATE: April 27, 2021

SUBJECT: Consider recommending the transfer of \$10,338.50 from the Monitoring and Management Program Contingency line-item to Subtask I.2.b.3 to cover Amendment No. 1 to Martin Feeney RFS No. 2021-01

RECOMMENDATIONS:

Approve the transfer of \$10,338.50 from the Monitoring and Management Program Budget Contingency line-item to Subtask I.2.b.3 to cover the cost of this Amendment.

BACKGROUND:

At its February 3, 2021 meeting the Board asked the TAC to have the Watermaster's contractor perform induction logging of Monitoring Wells FO-9 and FO-10 so that data could be compared to the E-logs when the wells were constructed to see what information that may provide regarding seawater intrusion in those wells

DISCUSSION:

The attached amendment to the current contract with Martin Feeney added scope and cost authorizations to accomplish this work. Because the Board already directed that this work be performed, the time-sensitive nature of this work, and because there was a cost savings by having Mr. Feeney perform this work in March, I authorized him to proceed without first coming back to the Board for pre-approval of this contract amendment. It is being provided to the Budget and Finance Committee to consider after-the-fact the budget transfer needed to cover the Subtask I.2.b.3 work performed under Amendment No. 1 of the Feeney contract.

FISCAL IMPACT:

The amount authorized by this Amendment was not included as a line-item in the 2021 Monitoring and Management Program Operations Budget, since the work was not contemplated when that budget was adopted. The Contingency line-item in that budget of \$16,368 has thus far not been utilized. A budget transfer in the amount of \$10,338.50 from the Contingency line-item to Subtask I.2.b.3 (Collect Quarterly Water Quality Samples and Perform Sentinel Well Induction Logging) is recommended.

ATTACHMENTS:

Amendment No. 1 to Martin Feeney RFS No. 2021-01

SEASIDE BASIN WATERMASTER
REQUEST FOR SERVICE

DATE: March 10, 2021

RFS NO. 2021-01 Amendment No. 1
(To be filled in by WATERMASTER)

TO: Martin Feeney
Martin Feeney
PROFESSIONAL

FROM: Robert Jaques
WATERMASTER

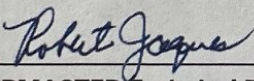
Services Needed and Purpose: Perform additional induction logging as described herein.

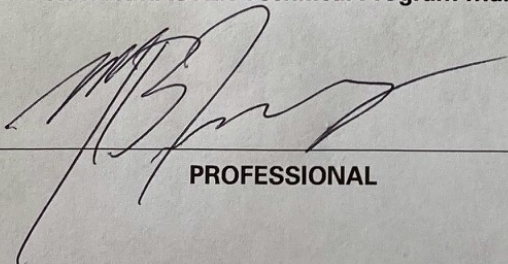
Completion Date: All work of this RFS as amended shall be completed not later than December 31, 2021.

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

Total Price: The Total Price for RFS No. 2021-01 is increased by \$10,338.50 by this Amendment No. 1, and the Total Price for RFS No. 2021-01 is therefore increased to \$28,839.06.

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

Requested by:  Date: 3/04/21
WATERMASTER Technical Program Manager

Agreed to by:  Date: 3/8/21
PROFESSIONAL

ATTACHMENT 1

PROFESSIONAL was authorized by RFS No. 2021-01 to perform induction logging on WATERMASTER's Sentinel Wells. WATERMASTER wishes to also have induction logging performed on Monitoring Wells FO-9 and FO-10, and to have the induction logging results on those wells compared to the E-logs for those wells when they were constructed to identify possible changes in water quality surrounding those wells. This Amendment No. 1 to RFS No. 2021-01 authorizes the performance of the work described in Attachment 2 hereto.

Martin B. Feeney
Consulting Hydrogeologist

P.G. 4634
C.E.G. 1454
C.Hg 145

March 1, 2021

Seaside Basin Watermaster
PO Box 51502
Pacific Grove CA.
93950

Attention: Bob Jaques, PE

Subject: Geophysical Investigation Fort Ord Monitoring Wells FO-9 and FO-10 – Proposal for Hydrogeologic Services

Dear Bob:

Two monitoring wells in the Seaside Basin monitoring program, FO-9 Shallow and FO-10 Shallow, have recently displayed increasing concentrations of chloride ions raising the possibility that these data are indicative of advancement of seawater into the basin. However, these data are difficult to reconcile with other data from the more seaward Sentinel Wells that have seen no changes. The ad-hoc advisory team discussed this and generally believed that the data from the monitoring wells would benefit from further confirmation. It was suggested that the monitoring wells be induction logged and the data from the induction logs be compared to the original electric logs to see if there have been conductivity changes in the formation since the time of the wells installation. Following up on these discussions, I'm pleased to provide this proposal to assist the Seaside Basin Watermaster the induction logging of these wells, the processing of the data, and the comparison with the original logs. Presented in this proposal are an outline of the data collection plan and an estimate of associated costs.

Background.

Monitoring Wells Clusters FO-9 and FO-10 were drilled in 1994 and 1996, respectively. The wells are nested completions with multiple casings of varying lengths in the same borehole. FO-9 has two completions a shallow completion in the Paso Robles Formation and a deeper completion in the Santa Margarita Sandstone. FO-10 has 3 completions - one in the Paso Robles Formation, one in the Santa Margarita Sandstone and a third completion in an intermediate depth. Schematics of the wells are attached.

Scope of Work

The work to be performed is presented below broken down in to tasks. Costs for the tasks are presented on the table below.

Task 1 – Backgrounding – This task will include confirming access for logging equipment, review of the reports documenting the construction of the well nests, acquisition of the original electric logs, and digitizing the original analog electrical logs to simplify comparison with the new logs.

Task 2 – Field Work – This task will include the induction logging of the deeper well in each cluster. The deeper well is selected because the original elog was performed for the entire depth of the borehole. At the same time and as part of the same service charge, the shallow well at each completion will be conductivity/temperature logged. These data can confirm the collected samples. Prior to logging, it is understood the MPWMD will remove the dedicated sampling pumps.

It should be noted that the induction logging tool is 1.7 inches in diameter and the inside diameter of Schedule 40 is 2.067 inches. Typically the tool can be used in nominal 2-inch PVC, but occasionally due to curvature in the casing the tool will not advance. If this happens, the next deepest well at each nest will be logged. The conductivity temperature tool is 1.5 inches in diameter and seldom has a problem descending.

Task 3 – Analysis and Reporting – After collection of the field data, data collected will be compared to previous data to identify locations where conductivity has changed. The collected data and interpretations will be summarized in a brief technical memorandum.

Costs for the logging program are estimated at \$ 10,338.50 inclusive of outside services. A breakdown of costs is presented in the table below.

FO-9 and FO-10 - Induction Logging

Pacific Surveys	Unit Cost	Number	Cost
Service Charge	1006	1	\$ 1,006.00
Induction Logging FO-9 (minimum charge)	750	1	\$ 750.00
Induction Logging FO10 (per ft charge)	0.75	1410	\$ 1,057.50
Conductivity/Temperature Logging	715	2	\$ 1,430.00
per diem	195	1	\$ 195.00
			\$ 4,438.50
Professional Services (hrs)			
Backgrounding	175	8	\$ 1,400.00
Supervise Logging	175	12	\$ 2,100.00
Analysis/Reporting	200	8	\$ 1,600.00
Travel	100	8	\$ 800.00
			\$ 5,900.00
TOTAL			\$ 10,338.50

The opportunity to present this proposal is appreciated. Please call if you have any questions.

Sincerely,

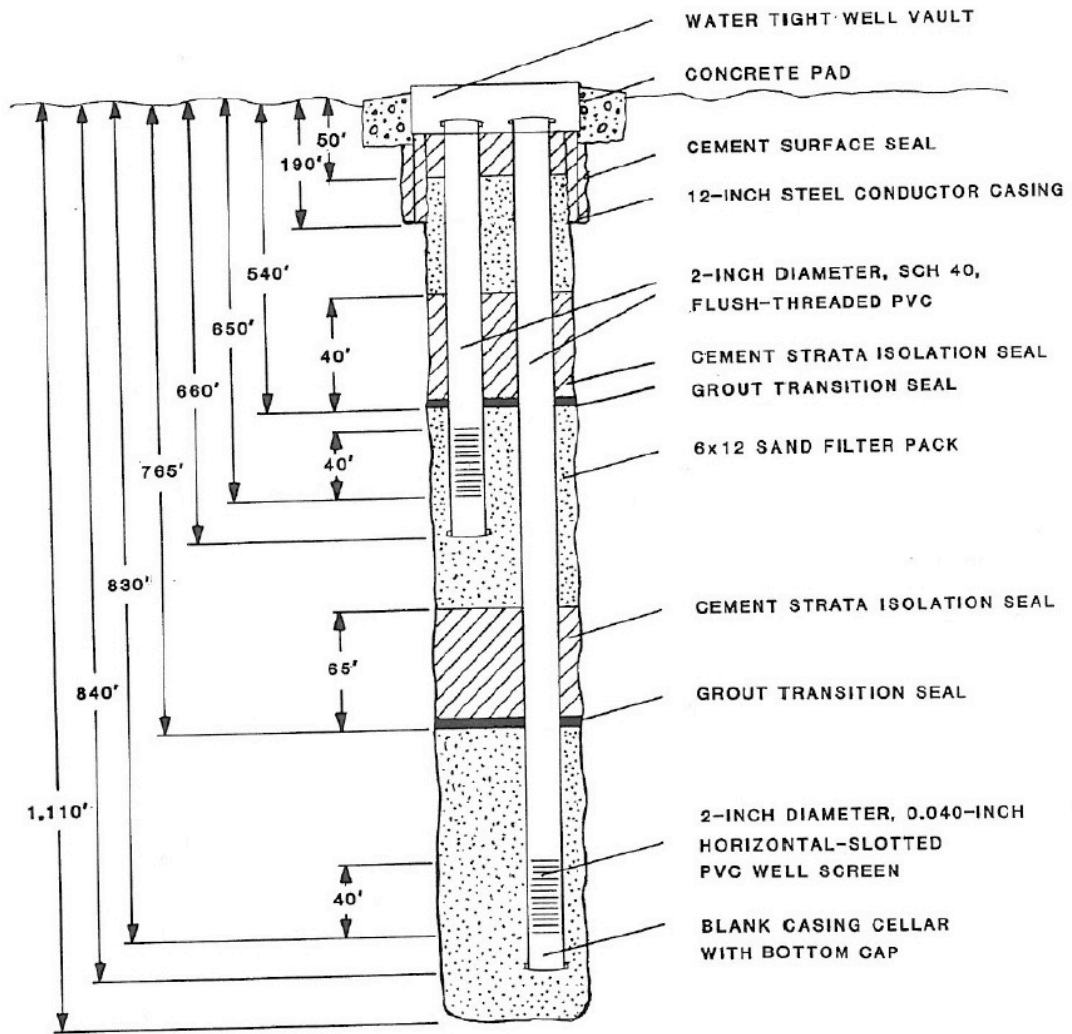


Martin B. Feeney

FORT ORD COASTAL SUBBASIN GROUND WATER MONITORING PROJECT

MONITOR WELL CONSTRUCTION

MPWMD #FO-09



NOT TO SCALE

Figure 6. FO-09 Completion.



1996 SEASIDE BASIN GROUND WATER MONITORING PROJECT

MONITOR WELL CONSTRUCTION

MPWMD #FO-10

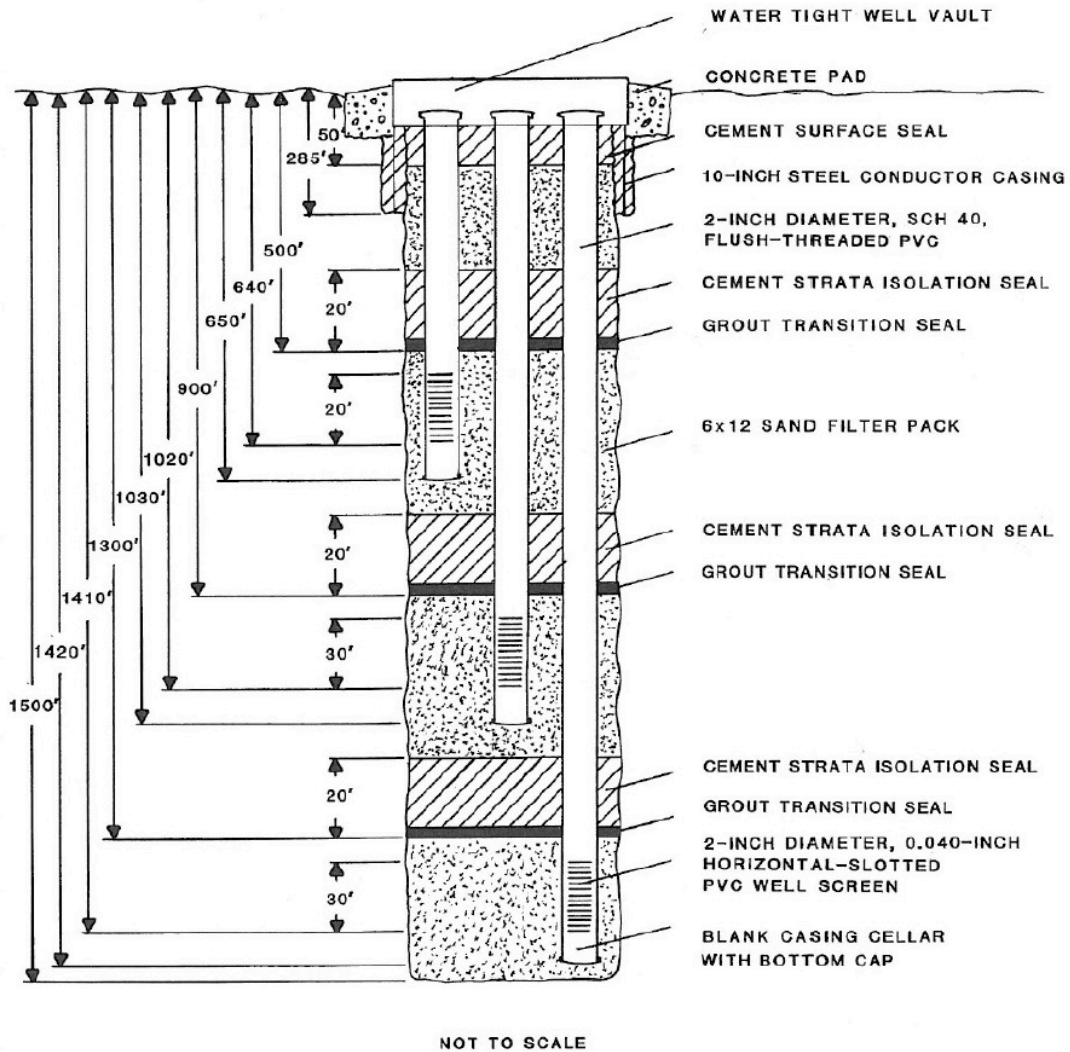


Figure 3. MPWMD Site FO-10 Well Completion.



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**SEASIDE GROUNDWATER BASIN
WATERMASTER**

TO: Budget and Finance Committee

FROM: Robert S. Jaques, Technical Program Manager

Formatted for Budget & Finance Committee meeting by Laura Paxton, Administrative Officer

DATE: April 27, 2021

SUBJECT: Transfer of \$2,000.00 from the 2021 Monitoring and Management Program Budget Contingency line-item to Subtask I.2.b.3 to cover the cost of Amendment No. 1 to MPWMD RFS No. 2021-01.

RECOMMENDATIONS:

Approve recommending to the Board transfer of \$2,000.00 from the 2021 Monitoring and Management Program Budget Contingency line-item to Subtask I.2.b.3 to cover the cost of Amendment No. 1 MPWMD RFS No. 2021-01.

BACKGROUND:

At its December 2, 2020 meeting the Board approved increasing the monitoring frequency of certain wells, as recommended in the 2020 Seawater Intrusion Analysis Report. This included increasing the monitoring frequency of Monitoring Well FO-10 Shallow from annually to quarterly.

DISCUSSION:

The attached amendment to the current contract with MPWMD added scope and cost authorizations to accomplish this work. Because of prior Board already approval, the low cost of the additional work, and because of its time-sensitive nature, I authorized MPWMD to increase the monitoring frequency without first coming back to the Board for pre-approval of this contract amendment. I It is being provided to the Budget and Finance Committee to consider after-the-fact the budget transfer needed to cover the Subtask I.2.b.3 work performed under Amendment No. 1 of the MPWMD contract.

FISCAL IMPACT:

The amount authorized by this Amendment was not included in the 2021 Monitoring and Management Program Operations Budget, since increasing the monitoring frequency was not contemplated when that budget was adopted. The Contingency line-item, reduced \$10,338.50 by the previous agenda item, leaves a balance of \$6,029.50. A budget transfer in the amount of \$2,000.00 from the Contingency line-item to Subtask I.2.b.3 (Collect Quarterly Water Quality Samples and Perform Sentinel Well Induction Logging) is recommended.

ATTACHMENTS:

Amendment No. 1 to MPWMD RFS No. 2021-01

SEASIDE BASIN WATERMASTER
REQUEST FOR SERVICE

DATE: December 13, 2020

RFS NO. 2021-01 Amendment No. 1

(To be filled in by WATERMASTER)

TO: Jonathan Lear

FROM: Robert Jaques

Monterey Peninsula Water Management District
PROFESSIONAL

WATERMASTER


Services Needed and Purpose: Increase monitoring frequency of certain wells in the Watermaster's Monitoring and Management Plan for 2020, as described in Attachment 1.

Completion Date: All work of this RFS as amended shall be completed not later than December 31, 2021.

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

Total Price: The Total Price for RFS No. 2021-01 is increased by \$2,000.00 by this Amendment No. 1, and the Total Price authorized for RFS No. 2021-01 is thereby increased to \$53,118.00.

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

Requested by:  Date: 12/13/20
WATERMASTER Technical Program Manager

Agreed to by: _____ Date: _____
PROFESSIONAL

ATTACHMENT 1

RFS No. 2021-01 authorized PROFESSIONAL to perform work on certain of the Tasks described in the 2021 M&MP. Certain of that work involved performing water level and water quality monitoring of the wells listed in Table 2 of RFS No. 2021-01.

In Table 2, wells MPWMD FO-09 Shallow and Deep are designated for Quarterly monitoring for water quality, and wells MPWMD FO-10 Shallow and Deep are designated for Annual monitoring for water quality.

This Amendment No. 1 increases the water quality monitoring frequency of well FO-10 Shallow from Annually to Quarterly.

The amount authorized by this Amendment No. 1 to perform this additional water quality monitoring work is \$2,000. This increases the authorized amount for RFS No. 2021-01 from \$51,118 to \$53,118.

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SEASIDE GROUNDWATER BASIN WATERMASTER

ITEM 1.c.

4/27/21

TO: Budget and Finance Committee
FROM: Laura Paxton, Administrative Officer
DATE: April 27, 2021
SUBJECT: Budget Transfer from Monitoring and Management—Operations Fund Basin Management line-item to Technical Program Manager line-item

RECOMMENDATION: Approve transferring \$35,000 of the \$70,000 from Monitoring and Management Program Operations Fund – Basin Management Task I.3.a.3. line item to Technical Program Manager line item.

BACKGROUND: The Watermaster Technical Program Manager (TPM) is paid \$150 per hour, and the 2021 budgeted amount for TPM is \$60,000. The TPM expensed amount through March 31, 2021 is \$27,225.00. In comparison, last year for the same quarter the TPM expensed amount was \$9,375.

DISCUSSION: Increased TPM workload in 2021 included board direction to promptly address potential seawater intrusion in wells FO-09 & FO-10 and pursue in earnest recharge options to achieve protective groundwater levels. Moreover, the TPM coordinates the Watermaster Technical Advisory Committee (TAC) meetings and prepares the content of those meetings and, due to the potential seawater intrusion identified in late 2020, issues coming before the TAC in 2021 intensified. As a result, the TPM expense for January 2021 services alone was \$12,675; February and March expenses were \$7,500 and \$7,050 respectively.

The Watermaster Board directed the TPM to represent Watermaster at meetings of agencies in which Watermaster is a stakeholder, including:

1. Pure Water Monterey Project Quality and Operations Committee (monthly/1 hour)
2. Salinas Valley Basin Groundwater Sustainability Agency (SVBGSA) Seawater Intrusion Work Group (monthly/2 hours)
3. SVBGSA Advisory Committee (1 to 2-times monthly/2 hours)
4. Department of Water Resources Annual Adjudicated Basins Sustainable Groundwater Management Act (SGMA) Workshop (annually/1.5 hours)
5. SVBGSA Modeling Workshop (1 time, no further workshops anticipated)
6. MCWD GSA Monterey Subbasin Stakeholders (Every other month/1.5 hours)
7. SVBGSA Monterey Subbasin Committee (monthly/2 hours)
8. GSP Web Map Workshop – Eastside, Forebay, Langley, Monterey, and Upper Valley Subbasin Committees (1 time, no further workshops anticipated)

The TPM time spent representing Watermaster at the above meetings now constitutes roughly 20% of TPM time billed. TPM skips meetings of no potential import to the Watermaster, and only participates in attended meetings when an item of potential import to the Watermaster is being discussed, or when a vote of the members is required to approve an item. When not actively participating, TPM does other Watermaster work, and does not charge time to the meeting. Time is also spent preparing Watermaster presentations to other agency committees.

At the current workload, TPM cost is estimated at \$7,000 per month for the remaining 3 quarters of 2021, necessitating a budget adjustment of \$35,000, recommended to be covered by transferring from the Operations Fund Basin Management *Task I.3.a.3. Evaluate Replenishment Scenarios and Develop Answers to Basin Management Questions* budget line to the Operations Fund Technical Program Manager budget line since modeling of replenishment scenarios under Task I.3.a.3., if done at all, is not foreseen to commence until 2022.

FISCAL IMPACTS: The balance of \$35,000 Operations Fund Task I.3.a.3. is carried over to 2022, and parties will be assessed in 2022 for the balance of the true cost (\$70,000 is a low-end guesstimate) if the task is performed.

ATTACHMENTS: None