

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

**SEASIDE GROUNDWATER BASIN WATERMASTER
NOTICE
BUDGET AND FINANCE COMMITTEE
MEETING TUESDAY, AUGUST 18, 2020
10:00 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/82441976550?pwd=c1k1djQyNjkvc3FOZkFSTDhVTXRmUT09>

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: 824 4197 6550 Password: 706339

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

Action Items:

- 1. Fiscal Year 2021 Annual Budgets.
 - A. Administrative Fund..... 3
 - B. Monitoring and Management Fund—Operations 9
 - C. Monitoring and Management Fund—Capital (None)
 - D. Replenishment Fund (No Action Required) 25
- 2. Replenishment Assessment Unit Costs for Natural Safe Yield and Operating Yield
Overproduction for Water Year October 1, 2020 through September 30, 2021 27
- 3. Transfer of \$5,000 from the Monitoring and Management Program (M&MP) O&M Budget
Develop Replenishment Scenarios line-item to cover anticipated additional consulting
assistance needed from Montgomery & Associates in the remainder of 2020 31
- 4. Transfer \$10,000 from the Monitoring and Management Program (M&MP) O&M
Budget *Contingency* line-item to cover anticipated additional services needed from
Technical Project Manager in the remainder of 2020 33

Other Items:

- 5. Discuss the basis and tracking of allocation of metered water when a Watermaster Party sets
a meter at new construction..... 35

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.

SEASIDE GROUNDWATER BASIN WATERMASTER

TO: Budget/Finance Committee
FROM: Laura Paxton, Administrative Officer
DATE: August 18, 2020
SUBJECT: Proposed Fiscal Year (Calendar Year) 2021 Annual Administrative Fund Budget

PURPOSE:

To advise the Board of the estimated amount necessary to properly fund the Administrative oversight portion of the Seaside Groundwater Basin Watermaster for Fiscal Year 2021.

RECOMMENDATION:

Recommended Board approval of the attached proposed Administrative Fund Budget for FY 2021.

DISCUSSION:

The court decision states that next fiscal year's budgets must be approved by the Board of Directors no later than the end of October each year in order for the tentative budgets to be circulated to each Party to the adjudication "no earlier than November 1 and no later than November 15" of each fiscal year.

The Watermaster board directed staff at its June 5, 2019 meeting to issue a request for proposals (RFP) for Watermaster legal services (Attachment 2). Staff is developing a mailing list of proposal candidates and anticipates distribution of the RFP in September. No significant legal issues have arisen in 2020. An estimate of \$25,000 is included in the 2021 Administrative Fund budget. This would roughly cover five hours of service per month at the BHFS rate (not including any retainer).

An estimated \$38,000 in unspent 2020 funds are expected to be carried over to 2021.

FISCAL IMPACT:

An Administrative Fund Assessment of \$62,000 is proposed:
 $\$50,000(\text{AO}) + \$25,000(\text{Legal}) + \$25,000(\text{Reserve}) = \$100,000 - \$38,000(\text{Carryover}) = \$62,000$

The assessments for the parties required to contribute to the Administrative Fund are:

California American Water	83.0%	\$51,460
City of Seaside	14.4%	8,928
City of Sand City	2.6%	1,612

ATTACHMENTS

- 1) Proposed Administrative Fund Budget for FY (Calendar Year) 2021
- 2) Watermaster Request for Proposals to Provide Legal Services

**Seaside Groundwater Basin Watermaster
Administrative Fund
Proposed Budget August 18, 2020
Administrative Year 2021**

	<u>2020</u> <u>Adopted</u> <u>Budget</u>	<u>2020</u> <u>Estimated</u> <u>Total</u>	<u>2021</u> <u>Proposed</u> <u>Budget</u>
Assessment Income			
Reserve/Rollover*	\$ 37,000	\$ 50,000	\$ 38,000
Administrative Assessment	<u>63,000</u>	<u>63,000</u>	<u>62,000</u>
Totals	<u>100,000</u>	<u>113,000</u>	<u>100,000</u>
Expenditures			
Contractual Services - Administrative	50,000	40,000	50,000
Legal Services	<u>25,000</u>	<u>10,000</u>	<u>25,000</u>
Total Expenses	<u>75,000</u>	<u>50,000</u>	<u>75,000</u>
Total Available	25,000	63,000	25,000
Less Reserve	<u>25,000</u>	<u>25,000</u>	<u>25,000</u>
Net Available	<u>\$ -</u>	<u>\$ 38,000</u>	<u>\$ -</u>

** Note: The reserve/rollover balance of \$38,000 was determined upon completion by Watermaster staff of a detailed reconciliation from 2006 through July 2020 of the Administrative Fund financial records held at the Watermaster office against the Administrative Fund financial records held by the City of Seaside - the Watermaster fiscal agent.*

Seaside Groundwater Basin Watermaster

REQUEST FOR PROPOSALS FOR LEGAL SERVICES September 2020

DIRECT INQUIRIES AND PROPOSALS TO:

Laura Paxton, Administrative Officer
Seaside Groundwater Basin Watermaster
PO Box 51502, Pacific Grove, CA 93950
(831) 641-0113
watermasterseaside@sbcglobal.net

I. GENERAL CONDITIONS:

- A. Purpose:** The Seaside Groundwater Basin Watermaster (hereinafter referred to as “WM”), through this Request for Proposals (“RFP”), solicits proposals from qualified law firms to provide legal services in the State of California for WM.
- B. Who May Respond?** Only attorneys who are currently licensed to practice law in California and maintain an office in California, or law firms including such attorneys, may respond to this RFP.
- C. Instructions for Proposal Submission:**
- Closing Submission Date:** Submit by 2:00 PM, Friday, XXXX, 2020.
 - Conditions of Proposal:** All costs incurred in the preparation of a proposal responding to this RFP will be the sole responsibility of proposer and WM will not reimburse. Unless otherwise stated, all materials submitted by proposer in response to this RFP shall become the property of WM.
 - Instruction to Proposers:** The preferred method of submission is electronically to *watermasterseaside@sbcglobal.net*. However, if a firm chooses to submit hard copies, one original plus three copies of the proposal must be sealed and received at WM no later than the Due Date. Submit hard copy proposals in a sealed envelope clearly marked in the lower left-hand corner with the following information: Request for Proposal
[Time] [Date]
SEALED PROPOSAL for Legal Services

Submit to: Seaside Groundwater Basin Watermaster Board of Directors
ATTN: Administrative Officer
PO Box 51502, Pacific Grove, CA 93950

Confirmation of receipt of the proposal by WM by the date and time specified above is the sole responsibility of proposer.

4. **Right to Reject:** The issuance of this RFP does not constitute an award commitment on the part of the WM. The WM reserves the right to reject any and all proposals, with or without cause, to negotiate any additional terms and conditions which are in the WM's best interests, and to waive any informality, irregularity, technical defect or clerical error in any proposal as the interest of the WM may require.
5. **Notification of Award:** Contract award will be to one whose service, reputation, and cost is most compatible. WM will be the sole judge in making this determination. WM will inform all proposers in writing the name of the successful proposer upon conclusion of final negotiations.

B. Description of Entity: The decision, as amended, entered in the case, California American Water Company v. City of Seaside, et al. Monterey County Superior Court, filed February 9, 2007, Case No. M66343 (the "Decision"), created WM for the purposes of managing and protecting the Seaside Groundwater Basin for the benefit of the businesses, individuals, and public agencies that overlie or extract groundwater from the Basin. Governance is by a nine member Board of Directors that meets on an as-need basis. WM has an annual budget of approximately \$300,000. Staff consists of a contracted Technical Program Manager and a contracted Administrative Officer. The Administrative Officer's home office in Pacific Grove, CA serves as WM office with a mailing address of PO Box 51502, Pacific Grove, CA 93950. See www.seasidebasinwatermaster.org for more information.

II. SCOPE OF SERVICES: WM seeks the following legal services, as requested by WM Board of Directors and/or staff from time to time:

- A. Serve as court contact on Decision matters.
- B. Review and provide input on WM Annual Report to Court.
- C. Advise on responses to court orders
- D. Advise on requests for information from third parties.
- E. Review, draft, negotiate contracts and agreements.
- F. Advise on water related legal issues as they may pertain to the Decision.
- G. Advise on WM collaboration with other water related agencies including regulations as determined by the State of California.
- H. Review policies, processes, and WM rules and regulations.
- I. Attend Board of Directors and Committee meetings.
- J. Defend and litigate Decision directives.
- K. Other legal services as directed by WM Board of Directors.

Proposer understands and agrees to provide services as an "independent contractor" as per conditions of California Assembly Bill No.5, Chapter 296, Section 2750.3 (a) (1) recently added to the labor code. WM shall be exempt from payment of all proposer benefits including but not limited to unemployment compensation, FICA, retirement, life and/or medical insurance and worker's compensation insurance.

III. PROPOSAL CONTENTS: The proposal, shall, as a minimum, include the following:

- A. Legal Experience:** Describe legal experience, including the names, addresses, contact persons, and telephone numbers of at least three clients, preferably including clients similar to WM. Experience should include the following categories:
1. Expertise with water law and policy.
 2. Expertise advising clients regarding adjudicated basins or governmental water related orders similar to WM.
 3. Expertise in the Brown Act and California Public Records Act.
 4. Describe the firm's general approach to accomplishing the work.
- B. Organization, Size, Structure, and Areas of Practice:** If the proposer is a firm, describe the organization, size, structure, areas of practice, and office location(s).
- C. Attorney Qualifications:** Describe the qualifications of attorneys to be assigned to Watermaster representation, including professional and educational background.
- D. Price:** Include information on hourly billing rates of each attorney or other legal staff expected to represent. Include the billing rate for expenses, if any, such as legal research, copies, delivery, and travel time. Include the monthly flat fee, if any, charged to advise WM on routine matters that could be handled over the telephone or otherwise without extensive research or other legal work. WM reserves the right to negotiate with proposer on the structure of the billing and/or retainer fee.
- E. Conflict of Interest:** Provide a statement of any potential conflicts the proposer and/or key staff may have regarding these services. The statement should not only include actual conflicts, but also any working relationships potentially perceived as a conflict. If no potential conflicts of interest are identified, so state in your proposal.
- F. Insurance:** Provide a certificate of professional liability insurance for a minimum \$1 Million per claim, to be maintained for at least a year after performance of services for the Watermaster is completed.

IV. PROPOSAL EVALUATION

- A. Evaluation Procedure and Criteria:** The Watermaster Budget and Finance Committee reviews and presents recommended proposals to the Board of Directors. The Board of Directors may request a meeting with qualified proposers prior to final selection. Proposal review is in accordance with the following criteria:
1. Proposer's experience with similar clients and legal matters.
 2. Cost
 3. Interview, if conducted.

**SEASIDE BASIN WATER MASTER
BUDGET AND FINANCE COMMITTEE**

*** * * AGENDA TRANSMITTAL FORM * * ***

MEETING DATE:	August 18, 2020
AGENDA ITEM:	1.B. & C.
AGENDA TITLE:	Approve the FY 2021 Monitoring and Management Program (M&MP) Operations and Capital Budgets
PREPARED BY:	Robert Jaques; reviewed by Laura Paxton

Attached are the proposed M&MP Operations and Capital Budgets for 2021 and 2022. The Board has asked that two-year budgets be developed to alert the Board to potential changes in scope and/or cost in near future years. Only the 2021 budgets are before the Committee for approval, the 2022 budgets are for information only.

The following are comments and/or principle revisions from the 2020 M&MP Budget:

Technical Program Manager: Due to the voluminous amount of agenda materials from, and meetings being held by, the Salinas Valley Basin Groundwater Sustainability Agency’s committees that I serve upon representing the Watermaster, and the increasing work associated with working toward obtaining replenishment water to protect the Seaside Basin against the threat of seawater intrusion, the Administrative Officer will be seeking Board approval in the near future to increase my 2020 budget allowance by \$10,000 from \$50,000 to \$60,000. I anticipate that this increased workload will continue in 2021, so this proposed line-item budget amount is increased to \$60,000 in 2021.

Tasks M.1.c, M.1.d, and M.1.e (On-call/as-needed Consulting Services): In 2020 we have needed a greater amount of assistance from Montgomery and Associates in evaluating a number of different issues that have come before the TAC, than has been the case in prior years. Consequently, I needed to authorize an additional \$5,000 to them this month, in order to ensure that funds are available for them to continue providing those services through the rest of 2020. In 2021 there will be some hourly rate increases for the Montgomery and Associates staff that will likely be the ones to provide on-call/as-needed hydrogeological consulting services under Tasks M.1.c, M.1.d, and M.1.e (Derrick Williams and Georgina King). I anticipate that there may be an ongoing need for this higher level of services in 2021, and have increased their on-call consulting services allowance by \$4,000 in this proposed 2021 line-item budget amount.

Task M.1.g (SGMA Documentation Preparation): Although the scope of work for this Task is unchanged from 2020, in 2021 there will be some hourly rate increases for the Montgomery and Associates staff that perform this work. Therefore, the amount proposed for 2021 is slightly increased from 2020 amount.

Task I.2.b.3 (Collect Quarterly Water Quality Samples): The proposed cost for the induction logging work that is performed by Mr. Feeney and his subcontractor is lower than it was in 2020 because less maintenance work on the Sentinel wells is anticipated in 2021. Thus far, the State Department of Parks and Recreation has been authorizing the induction logging of the Sentinel Wells which are located within the Fort Ord Dunes State Park with minimal requirements. However, they have recently determined that they need to issue a formal Right-of-Entry Permit to perform this work. It

AGENDA ITEM:	1.B. & C. (Continued)
<p>appears that this Permit will require payment to State Parks of an annual \$50 fee. This amount has been included in the budget for this Task.</p> <p><u>Task I.2.b.7 (CASGEM Data Submittal for Watermaster's Voluntary Wells):</u> MPWMD has been able to reduce the amount of time needed to format and submit this data to DWR in 2021 to comply with the SGMA requirements for adjudicated basins. Consequently, the number of hours provided for this Task in 2021 has been significantly reduced from the number of hours required in 2020.</p> <p><u>Task I.3.a.3 (Evaluate Replenishment Scenarios and Develop Answers to Basin Management Questions):</u> Included in Task I.3.a.3 is \$50,000 to perform some new modeling work pertaining to injection of water to raise groundwater levels. This additional work was initially proposed for 2020, but was removed based on input from Todd Groundwater and Montgomery & Associates that pointed out that if all the water injected by the PWM and desalination plant projects is subsequently extracted, there would be little if any net increase in groundwater levels. Reinstating that work is proposed for 2021 in order to work on getting additional water <u>above and beyond that which would be injected by the desalination plant or the PWM Expansion Project</u> (depending on which of these moves forward to construction) <u>and not extracted</u>, in order to raise groundwater levels to protective elevations Basinwide.</p> <p><u>Task I.4.c (Annual Report- Seawater Intrusion Analysis):</u> The scope of work for this Task in 2021 adds making a presentation of the SIAR to the Board of Directors as well as to the TAC. However, it is expected that those presentations will be made remotely (either via teleconference or Zoom) rather than in person, so there is only a minor cost change for this part of the work. Also, in 2021 there will be some hourly rate increases for the Montgomery and Associates staff that perform this work. Therefore, the amount proposed for 2021 is slightly increased from the 2020 amount.</p> <p>As indicated by the right-hand column titled “Comparative Costs from 2020 Budget” in the proposed 2021 M&MP Operations Budget in <u>Attachment 1</u>, the proposed 2021 Budget is \$68,080 higher (\$284,047-\$215,967) than the 2020 Budget.</p> <p>The TAC approved the 2021 M&MP and Budgets at its August 12, 2020 meeting, and they will be forwarded to the Board for approval at the Board’s September 2020 meeting.</p> <p>Since no Capital Projects are anticipated in 2021, there is no change in the M&MP Capital Budget from 2020 to 2021, and the budget remains at zero dollars.</p>	
ATTACHMENTS:	<ol style="list-style-type: none"> 1. 2021 and 2022 M&MP Operations Budgets 2. 2021 and 2022 M&MP Capital Budgets
RECOMMENDED ACTION:	Approve, or make changes to, the attached Budgets and then recommend these for approval by the Board

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	\$18,551	\$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	\$18,551		
SUBTOTAL not including Technical Program Manager =							\$203,679	\$150,879
Contingency (not including Technical Program Manager) @ 10% ⁽⁴⁾ =							\$20,368	\$15,088
Technical Program Manager =							\$60,000	\$50,000
TOTAL=							\$284,047	\$215,967

Footnotes:
(1) Under this Subtask the Watermaster will directly contract with an outside contractor to perform the Sentinel Well induction logging work, and to also collect water level data in conjunction with doing the induction logging. MPWMD will perform the other portions of the work of this
(2) The response plan would only be implemented in the event sea water intrusion is determined to be occurring.
(3) Within the context of this document the term "Consultant" refers either to a Private Consultant providing professional engineering or other types of technical services, or to the Monterey Peninsula Water Management District (MPWMD). The term "Contractor" refers to a firm providing construction or field services such as well drilling, induction logging, or meter calibration.
(4) Due to the uncertainties of the exact scopes of some of the larger Tasks listed above at the time of preparation of this Budget it is recommended that a Contingency of approximately 10% be included in the Budget.
(5) The MPWMD portion of this Task includes \$1,000 to maintain equipment previously installed for this purpose, \$2,000 to purchase a new sampling pump if an existing one needs to be replaced, and lab costs to analyze for barium and iodide ions in certain of these wells as was done in preceding years beginning in 2012. The Contractor portion of this Task includes the newly imposed \$50 to pay the State Department of Parks and Recreation annual fee to renew the Right-of-Entry Permit to perform this work.
(6) Does not include costs for MPWMD to collect water level data or water quality samples from wells other than those that are part of the basic monitoring well network, i.e. for private well owners who have requested that the Watermaster obtain this data for them. Costs to obtain that data are to be reimbursed to the Watermaster by those well owners, so there should be no net cost to the Watermaster for that portion of the work under these Tasks. Includes the purchase and installation of one new and/or replacement datalogger at a price of \$700, plus \$50 for installation parts, to keep in inventory as a spare if needed.
(7) No additional monitoring well is expected to be constructed in 2021.
(8) This cost is for Montgomery and Associates, Todd Groundwater, and Martin Feeney to provide hydrogeologic consulting assistance to the Watermaster, beyond that associated with performing other specified Tasks, when requested to do so by the Technical Program Manager. This work may include participation in conference calls and reviewing documents prepared by others.
(9) If work under this Task is found to be necessary, it will be funded through the Contingency line item in this Budget.
(10) Since the BMAP was updated in 2019, this Task would only be used if there were other issues the Board wished to evaluate and which were not covered in the updated BMAP.
(11) The Model was updated and recalibrated in 2018, so no costs for this Task are anticipated in 2021.
(12) The protective water levels developed in 2009 were examined in 2013 to see if they needed to be updated. It was concluded that the 2009 protective levels were still satisfactory for Basin management purposes, and that no revisions were needed. No work under this Task is anticipated in 2021.
(13) This was a new Task that was started in 2018, and was completed for the PWM AWT water in 2019. Funds allocated for this Task in 2021 would only be used if the geochemical modeling that is expected to be performed in 2021 for the MPWSP desalination plant water indicates the need to have Montgomery and Associates use the Seaside Basin groundwater model to provide additional information needed by the geochemical model to develop mitigation measures for any adverse water quality impacts the geochemical model predicts could occur from introducing desalinated water into the Basin.
(14) This Task is included to provide funds for the Watermaster to perform modeling and other investigative work to aid in making Basin management decisions.
(15) Includes \$200/month for an outside consultant to maintain the Watermaster's website and post documents on it.
(16) This work was completed some years ago and no longer needs to be included in this Budget. It will be eliminated from the M&MP in 2021.

Monitoring and Management Program Operations Budget							
For Tasks to be Undertaken in 2022 ⁽¹²⁾							
Task	Subtask	Sub-Subtask	Cost Description	CONSULTANTS & CONTRACTORS ⁽³⁾			Total
				MPWMD	Private Consultants	Contractors	
Labor							
			Technical Project Manager	\$0	\$60,000	\$0	\$60,000
M.1 Program Administration							
	M.1.a		Project Budget and Controls	\$0	\$0	\$0	\$0
	M.1.b		Assist with Board and TAC Agendas	\$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	\$23,690	\$0	\$23,690
	M.1.f		QA/QC	\$0	\$0	\$0	\$0
	M.1.g		SGMA Documentation Preparation	\$0	\$2,390	\$0	\$2,390
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	\$15,042	\$2,472	\$0	\$17,514
		I. 2. a. 2.	Verify Accuracy of Production Well Meters	\$0	\$0	\$0	\$0
	I. 2. b.		Data Collection Program				
		I. 2. b. 1.	Site Representation and Selection ⁽⁷⁾	\$0	\$0	\$0	\$0
		I. 2. b. 2.	Collect Monthly Water Levels ⁽⁶⁾	\$3,838	\$0	\$0	\$3,838
		I. 2. b. 3.	Collect Quarterly Water Quality Samples ⁽¹⁾⁽⁵⁾⁽⁶⁾	\$24,257	\$0	\$19,571	\$43,828
		I. 2. b. 4.	Update Program Schedule and Standard Operating Procedures.	\$0	\$0	\$0	\$0
		I. 2. b. 5.	Monitor Well Construction ⁽⁷⁾	\$0	\$0	\$0	\$0
		I. 2. b. 6.	Reports	\$2,149	\$0	\$0	\$2,149
		I. 2. b. 7.	CASGEM Data Submittal for Watermaster's Voluntary Wells	\$6,118	\$0	\$0	\$6,118
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	\$0	\$0	\$0	\$0
		I. 3. a. 2.	Develop Protective Water Levels	\$0	\$0	\$0	\$0
		I. 3. a. 3.	Evaluate Replenishment Scenarios and Develop Answers to Basin Management Questions	\$0	\$20,000	\$0	\$20,000
	I. 3. b.		Complete Preparation of Basin Management Action Plan	\$0	\$0	\$0	\$0
	I. 3. c.		Refine and/or Update the Basin Management Action Plan ⁽¹¹⁾	\$0	\$0	\$0	\$0
	I. 3. d		Evaluate Coastal Wells for Cross-Aquifer Contamination Potential ⁽¹³⁾	\$0	\$0	\$0	\$0
	I. 3. e		Seaside Basin Geochemical Model ⁽¹⁴⁾	\$0	\$0	\$0	\$0
I.4 Seawater Intrusion Contingency Plan							
	I. 4. a.		Oversight of Seawater Intrusion Detection and Tracking	\$0	\$0	\$0	\$0
	I. 4. b.		Analyze and Map Water Quality from Coastal Monitoring Wells	(Costs Included Under I.4.a)			
	I. 4. c.		Annual Report- Seawater Intrusion Analysis	\$1,228	\$27,099	\$0	\$28,327
	I. 4. d.		Complete Preparation of Seawater Intrusion Response Plan ⁽²⁾	\$0	\$0	\$0	\$0
	I. 4. e.		Refine and/or Update the Seawater Intrusion Response Plan ⁽²⁾⁽⁹⁾	\$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 2019. If it Does Become Necessary, Use of Contingency Funds or a Budget Modification Will Likely be Necessary)			
TOTALS CONSULTANTS & CONTRACTORS				\$52,631	\$135,651	\$19,571	
SUBTOTAL not including Technical Program Manager =							\$147,853
Contingency (not including Technical Program Manager) @ 10% ⁽⁴⁾ =							\$14,785
Technical Program Manager							\$60,000
TOTAL=							\$222,638

Footnotes:						
(1) Under this Subtask the Watermaster will directly contract with an outside contractor to perform the Sentinel Well induction logging work, and to also collect water level data in conjunction with doing the induction logging. MPWMD will perform the other portions of the work of this Subtask.						
(2) The response plan would only be implemented in the event sea water intrusion is determined to be occurring.						
(3) Within the context of this document the term "Consultant" refers either to a Private Consultant providing professional engineering or other types of technical services, or to the Monterey Peninsula Water Management District (MPWMD). The term "Contractor" refers to a firm providing construction or field services such as well drilling, induction logging, or meter calibration.						
(4) Due to the uncertainties of the exact scopes of some of the Tasks listed above at the time of preparation of this Budget, it is recommended that a 10% Contingency be included in the Budget.						
(5) A portion of this cost is for maintaining sampling equipment that was installed in prior years.						
(6) Does not include costs for MPWMD to collect water level data or water quality samples from wells other than those that are part of the basic monitoring well network, i.e. for private well owners who have requested that the Watermaster obtain this data for them. Costs to obtain that data are to be reimbursed to the Watermaster by those well owners, so there should be no net cost to the Watermaster for that portion of the work under these Tasks.						
(7) No additional monitoring well is expected to be constructed in 2022.						
(8) For Montgomery and Associates, Todd Groundwater, and Martin Feeney to provide hydrogeologic consulting assistance to the Watermaster, beyond that associated with performing other specified Tasks, when requested to do so by the Technical Program Manager.						
(9) If work under this Task is found to be necessary, it will be funded through the Contingency line item in this Budget.						
(10) Not used.						
(11) If necessary to reflect knowledge gained from modeling work or other data sources. Since the BMAP was updated in 2018, no work on this Task is anticipated in 2022.						
(12) Includes a 3% inflation factor on most annually recurring costs in the 2021 Budget, except the Technical Program Manager cost which has no inflation factor applied to it.						
(13) No further work on this Task is anticipated in 2022.						
(14) It is assumed that all work of this Task will be completed in 2021.						

ATTACHMENT 2

**Monitoring and Management Program Capital Budget
For Tasks to be Undertaken in 2021**

No Capital projects are anticipated to be undertaken in 2021, so this budget is \$0.

**Monitoring and Management Program Capital Budget
For Tasks to be Undertaken in 2022**

No Capital projects are anticipated to be undertaken in 2022, so this budget is \$0.

Seaside Groundwater Basin 2021 Monitoring and Management Program

The tasks outlined below are those that are anticipated to be performed during 2021. Some Tasks listed below are specific to 2021, while other Tasks are recurring such as data collection, database entry, and Program Administration Tasks.

Within the context of this document the term “Consultant” refers either to a firm providing professional engineering or other types of technical services, or to the Monterey Peninsula Water Management District (MPWMD). The term “Contractor” refers to a firm providing construction or field services such as well drilling, induction logging, or meter calibration.

M.1 Program Administration

M. 1. a
Project Budget and Controls
(\$0)

Consultants will provide monthly or bimonthly invoices to the Watermaster for work performed under their contracts with the Watermaster. Consultants will perform maintenance of their internal budgets and schedules, and management of their subconsultants. The Watermaster will perform management of its Consultants.

M. 1. b
Assist with Board and TAC Agendas
(\$0)

Watermaster staff will prepare Board and TAC meeting agenda materials. No assistance from Consultants is expected to be necessary to accomplish this Task.

M. 1. c, M. 1. d, & M.1.e
Preparation for and Attendance at Meetings, and Peer Review of Documents and Reports
(\$23,000)

The Consultants’ work will require internal meetings and possibly meetings with outside governmental agencies and the public. For meetings with outside agencies, other Consultants, or any other parties which are necessary for the conduct of the work of their contracts, the Consultants will set up the meetings and prepare agendas and meeting minutes to facilitate the meetings. These may include planning and review meetings with Watermaster staff. The costs for these meetings will be included in their contracts, under the specific Tasks and/or subtasks to which the meetings relate. The only meeting costs that will be incurred under Tasks M.1.c, M.1.d, and M.1.e will be:

- Those associated with attendance at TAC meetings (either in person or by teleconference connection), including providing periodic progress reports to the Watermaster for inclusion in the agenda packets for the TAC meetings, when requested by the Watermaster to do so. These progress reports will typically include project progress that has been made, problem identification and resolution, and planned upcoming work.
- From time-to-time when Watermaster staff asks Consultants to make special presentations to the Watermaster Board and/or the TAC, and which are not included in the Consultant’s contracts for other tasks.

Appropriate Consultant representatives will attend TAC meetings (either in person or by teleconference connection) when requested to do so by Watermaster Staff, but will not be asked to prepare agendas or meeting minutes. As necessary, Consultants may provide oral updates to their progress reports (prepared under Task M.1.d) at the TAC meetings.

When requested by the Watermaster staff, Consultants may be asked to assist the TAC and the Watermaster staff with peer reviews of documents and reports prepared by various other Watermaster Consultants and/or entities.

M. 1. f QA/QC (\$0)	A Consultant (MPWMD) will provide general QA/QC support over the Seaside Basin Monitoring and Management Program. These costs are included in the other tasks.
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M.1.g Prepare Documents for SGMA Reporting (\$2,320)	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, some information such as changes in basin storage is not currently generated and will require consultant assistance to do so. This task will be used to obtain this consultant assistance, as needed.
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I. 2 Comprehensive Basin Production, Water Level and Water Quality Monitoring Program

I. 2. a. Database Management

I. 2. a. 1 Conduct Ongoing Data Entry and Database Maintenance/ Enhancement (\$17,004)	The database will be maintained by a Consultant (MPWMD) performing this work for the Watermaster. MPWMD will enter new data into the consolidated database, including water production volumes, water quality and water level data, and such other data as may be appropriate. Other than an annual reporting of data to another Watermaster Consultant at the end of the Water Year, as mentioned in Task I.4.c below, no reporting of water level or water quality data during the Water Year is required. However, MPWMD will promptly notify the Watermaster of any missing data or data collection irregularities that were encountered.
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At the end of the Water Year MPWMD will prepare an annual water production, water level, and water quality tabulation in Access format and will provide the tabulation to another Watermaster Consultant who will use that data in the preparation of the SIAR under Task No. I.4.c of the Monitoring and Management Program.

No enhancements to the database are anticipated during 2021.

I. 2. a. 2 Verify Accuracy of Production Well Meters (\$0)	To ensure that water production data is accurate, the well meters of the major producers were verified for accuracy during 2009 and again during 2015. No additional work of this type is anticipated during 2021.
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I. 2. b. Data Collection Program

I. 2. b. 1 Site Representation and Selection (\$0)	The monitoring well network review that was started in 2008 has been completed, and sites have been identified where future monitoring well(s) could be installed, if it is deemed necessary to do so in order to fill in data gaps. No further work of this type is anticipated in 2021.
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I. 2. b. 2 Collect Monthly Manual Water Levels (\$3,726)	Each of the monitoring wells will be visited on a regular basis. Water levels will be determined by either taking manual water levels using an electric sounder, or by dataloggers. The wells where the use of dataloggers is feasible or appropriate have been equipped with dataloggers. All of the other wells will be manually measured.
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This Task includes the purchase of one datalogger and parts for the datalogger to keep in inventory as a spare if needed.

I. 2. b. 3
Collect Water Quality
Samples.
(\$42,051)

Water quality data will be collected quarterly from certain of the monitoring wells, but will no longer be collected from the four coastal Sentinel Wells. Discontinuing water quality sampling in those wells is the result of the finding made in 2018 that the water quality samples being extracted from those wells are not representative of the aquifer. Those wells were designed for the purpose of electric induction logging, and will therefore continue to be induction logged twice a year in WY 2021.

In 2012 water quality analyses were expanded to include barium and iodide ions, to determine the potential benefit of performing these additional analyses. These two parameters have been useful in analyzing seawater intrusion potential in other vulnerable coastal groundwater basins, and are briefly mentioned in the Watermaster's annual Seawater Intrusion Analysis Reports. These parameters were added to the annual water quality sampling list for the four Watermaster Sentinel wells (SBWM-1, SBWM-2, SBWM-3, and SBWM-4), and also for the 3 most coastal MPWMD monitoring wells (MSC, PCA, and FO-09). Barium and iodide analyses will continue being performed on the 3 most coastal MPWMD monitoring wells in 2021, but will no longer be performed on the Watermaster's coastal Sentinel Wells as discussed above.

Water quality data may come from water quality samples that are taken from these wells and submitted to a State Certified analytic laboratory for general mineral and physical suite of analyses, or the data may come from induction logging of these wells and/or other data gathering techniques. The Consultant or Contractor selected to perform this work will make this judgment based on consideration of costs and other factors.

Under this Task in 2013 retrofitting to use the low-flow purge approach for getting water quality samples was completed on all of the wells that are sampled. This sampling equipment sits in the water column and may periodically need to be replaced or repaired. Accordingly, an allowance to perform maintenance on previously installed equipment has been included in this Task. Also, in the event a sampling pump is found to be no longer adequate due to declining groundwater levels an allowance to purchase a replacement sampling pump has been included in this Task.

Improvements to the QA/QC program for the water quality sampling work were adopted in mid-2017 and will be included in this work in 2021.

I. 2. b. 4
Update Program
Schedule and Standard
Operating Procedures.
(\$0)

All recommendations from prior reviews of the data collection program have been implemented. No additional work of this type is anticipated in 2021.

I. 2. b. 5
Monitor Well
Construction
(\$0)

An additional monitoring well was installed in 2009. No further work of this type is anticipated in 2021.

I. 2. b. 6
Reports
(\$2,086)

This task was essentially eliminated starting in 2020 by having the data collected by MPWMD under tasks I.2.b.1, I.2.b.2, and I.2.b.3 reported in

the SIAR under Task I.4.c. The work remaining under this task is for MPWMD to prepare and provide the data appendix to the Consultant that prepares the SIAR.

No formalized reporting on a quarterly basis is required. However, MPWMD will promptly notify the Watermaster and the Consultant that prepares the SIAR of any missing data or data collection irregularities in the water quality and water level data collected under Tasks I.2.b.2 and I.2.b.3.

**I.2.b.7
CASGEM Data Submittal
(\$5,960)**

On the Watermaster’s behalf MPWMD will compile and submit data on the Watermaster’s “Voluntary Wells” into the State’s CASGEM groundwater management database. The term “Voluntary Well” refers to a well that is not currently having its data reported into the CASGEM system, but for which the Watermaster obtains data. This will be done in the format and on the schedule required by the Department of Water Resources under the Sustainable Groundwater Management Act.

I. 3 Basin Management

**I. 3. a.
Enhanced Seaside Basin
Groundwater Model
(Costs listed in subtasks
below)**

The Watermaster and its consultants use a Groundwater Model for basin management purposes.

**I.3.a.1
Update the Existing
Model
(\$0)**

The Model, described in the report titled “Groundwater Flow and Transport Model” dated October 1, 2007, was updated in 2009 in order to develop protective water levels, and to evaluate replenishment scenarios and develop answers to Basin management questions. The Model was again updated in 2014.

In 2018 the Model was recalibrated and updated. No further work of this type is anticipated in 2021.

**I. 3. a. 2
Develop Protective
Water Levels
(\$0)**

A series of cross-sectional models was created in 2009 in order to develop protective water levels for selected production wells, as well as for the Basin as a whole. This work is discussed in Hydrometrics’ “Seaside Groundwater Basin Protective Water Elevations Technical Memorandum.” In 2013 further work was started to refine these protective water levels, but it was found that the previously developed protective water levels were reasonable. Protective water levels will be updated, if appropriate, as part of the work of Task I.3.c.

**I. 3. a. 3
Evaluate Replenishment
Scenarios and Develop
Answers to Basin
Management Questions
(\$70,000)**

In 2009 the updated Model was used to evaluate different scenarios to determine such things as the most effective methods of using supplemental water sources to replenish the Basin and/or to assess the impacts of pumping redistribution. This work is described in HydroMetrics’ “Seaside Groundwater Basin Groundwater Model Report.” In 2010, and again in 2013, HydroMetrics used the updated Model to develop answers to some questions associated with Basin management.

Modeling performed to date indicates that the solution to the problem of water levels in the Seaside Basin being below Protective Water Levels will be to inject water. In the not-too-distant future there might be the ability of Monterey Peninsula Water Supply Project’s (MPWSP) desalination plant (if it gets built) to provide additional water for Basin injection on an

interim basis until California American Water's demand level reaches the desalination plant's design capacity. There is some growth built into that plant's capacity for such things as lots of record and economy bounce back, which will likely not all be needed for some years into the future.

Also, if the Pure Water Monterey (PWM) Project were to be expanded this could be another source of water, at least some of which could be injected and left in the Basin to bring up water levels.

Montgomery & Associates agrees that injection is the quickest way to bring groundwater levels up in the Seaside Basin. The original 3,500 AFY PWM Project is already in operation, and construction of either the MPWSP desalination plant or the PWM Expansion Project is expected to begin in 2021. Modeling to determine the additional amount of replenishment water needed to achieve protective groundwater level elevations throughout the Basin, after those projects are constructed, could be performed to aid the Watermaster in pursuing approaches to obtain that additional water for Basin replenishment.

Based on the costs of previous modeling, it is expected to cost approximately \$14,000 to model each scenario. Montgomery & Associates anticipates that it would take a minimum of 3 scenarios to perform an initial assessment of the most cost-effective method of using additional injected water to raise groundwater levels to protective elevations. This Task includes a \$50,000 allowance to perform this modeling, if so directed by the Watermaster Board.

Modeling performed in 2014, 2015, and 2016 led to the conclusion that groundwater levels in parts of the Laguna Seca Subarea will continue to fall even if all pumping within that subarea is discontinued, because of the influence of pumping from areas near to, but outside of, the Basin boundary. Additional modeling work may be performed in 2021 to further examine this situation. This Task provides a \$20,000 allowance to perform modeling or other work to develop answers to basin management questions, if so directed by the Watermaster Board.

<p>I. 3. b. Complete Preparation of Basin Management Action Plan (\$0)</p>	<p>The Watermaster’s Consultant completed preparation of the Basin Management Action Plan (BMAP) in February 2009. The BMAP serves as the Watermaster’s long-term seawater intrusion prevention plan. The Sections that are included in the BMAP are: Executive Summary Section 1 – Background and Purpose Section 2 – State of the Seaside Groundwater Basin Section 3 – Supplemental Water Supplies Section 4 –Groundwater Management Actions Section 5 – Recommended Management Strategies Section 6 – References</p>
<p>I. 3. c. Refine and/or Update the Basin Management Action Plan (\$0)</p>	<p>In 2019 the BMAP was updated based on new data and knowledge that has been gained since it was prepared in 2009.</p> <p>No further work of this type is anticipated in 2021. However, after the Groundwater Sustainability Plan (GSP) for the adjacent Monterey Subbasin of the Salinas Valley Groundwater Basin is completed, it may be appropriate to further update the BMAP to reflect the impacts of implementing that GSP. That GSP is scheduled to be completed by early 2022.</p>
<p>I. 3. d. Evaluate Coastal Wells for Cross-Aquifer Contamination Potential (\$0)</p>	<p>If seawater intrusion were to reach any of the coastal wells in any aquifer, and if a well was constructed without proper seals to prevent cross-aquifer communication, or if deterioration of the well had compromised these seals, it would be possible for the intrusion to flow from one aquifer to another. An evaluation of this was completed in 2012 and is described in MPWMD’s Memorandum titled “Summary of Seaside Groundwater Basin Cross-Aquifer Contamination Wells Investigation Process and Conclusions” dated August 8, 2012. This Memorandum did not recommend performing any further work on this matter, other than to incorporate into the Watermaster’s Database data from wells that were newly identified by the work performed in 2012. That data has now been incorporated into the Database, and no further work by the Watermaster on this matter is anticipated. In late 2017 a request was made to MPWMD to destroy one of its no-longer-used monitoring wells that is perforated in multiple aquifers (Well PCA-East Multiple). MPWMD performed this work in 2018.</p> <p>No further work of this type is anticipated in 2021.</p>
<p>I.3. e. Seaside Basin Geochemical Model (\$10,000)</p>	<p>When new sources of water are introduced into an aquifer, with each source having its own unique water quality, there can be chemical reactions that may have the potential to release minerals which have previously been attached to soil particles, such as arsenic or mercury, into solution and thus into the water itself. This has been experienced in some other locations where changes occurred in the quality of the water being injected into an aquifer. MPWMD’s consultants have been using geochemical modeling to predict the effects of injecting Carmel River water into the Seaside Groundwater Basin under the ASR program.</p>

In order to predict whether there will be groundwater quality changes that

will result from the introduction of desalinated water and additional ASR water (under the Monterey Peninsula Water Supply Project) and advance-treated water (under the Pure Water Monterey Project) geochemical evaluations, and potentially modeling, will be performed in the areas of the Basin where injection of these new water sources will occur.

In 2019 a geochemical evaluation of introducing advance-treated water from the Pure Water Monterey Project was performed. That evaluation concluded that there would be no adverse geochemical impacts as a result of introducing that water into the Basin. A similar evaluation of the impact of introducing ASR water also concluded that there would be no adverse geochemical impacts. An evaluation of introducing desalinated water will be performed if the Monterey Peninsula Water Supply Project's desalination plant proceeds into the construction phase.

If any of the geochemical evaluations indicate the potential for problems to occur, then Montgomery and Associates may use the Watermaster's updated groundwater model, and information about injection locations and quantities, injection scheduling, etc. provided by MPWMD for each of these projects, to develop model scenarios to see if the problem(s) can be averted by changing delivery schedules and delivery quantities. This Task includes an allowance of \$10,000 to have Montgomery and Associates perform such modeling, if necessary.

If the modeling predicts that there may be adverse impacts from introducing these new sources of water, measures to mitigate those impacts will be developed under a separate task that will be created for that purpose when and if necessary.

I. 4 Seawater Intrusion Response Plan (formerly referred to as the Seawater Intrusion Contingency Plan)

I. 4. a. Oversight of Seawater Intrusion Detection and Tracking (\$0)

Consultants will provide general oversight over the Seawater Intrusion detection program under the other Tasks in this Work Plan.

I. 4. c. Annual Report- Seawater Intrusion Analysis (\$27,502)

At the end of each water year, a Consultant will reanalyze all water quality data. Water level and water quality data will be provided to the Consultant in MS Access format. The Consultant will put this data into a report format and will include it as an attachment to the Seawater Intrusion Analysis Report. Semi-annual chloride concentration maps will be produced for each aquifer in the basin. Time series graphs, trilinear graphs, and stiff diagram comparisons will be updated with new data. The annual EM logs will be analyzed to identify changes in seawater wedge locations. All analyses will be incorporated into an annual report that follows the format of the initial, historical data report. Potential seawater intrusion will be highlighted in the report, and if necessary, recommendations will be included. The annual report will be submitted for review by the TAC and the Board. Modifications to the report will be incorporated based on input from these bodies, as well as Watermaster

staff.

**I. 4. e.
Refine and/or Update the
Seawater Intrusion
Response Plan
(\$0)**

At the beginning of 2009 it was thought that it might be beneficial or necessary to perform work to refine the SIRP and/or to update it based on new data or knowledge that was gained subsequent to the preparation of the SIRP. However, this did not prove to be necessary, and no further work of this type is anticipated in 2021.

**I. 4. f.
If Seawater Intrusion is
Determined to be
Occurring, Implement
Contingency Response Plan
(\$0)**

The SIRP will be implemented if seawater intrusion, as defined in the Plan, is determined by the Watermaster to be occurring.

	Seaside Groundwater Basin Watermaster										ITEM 1.D. 8/18/20	
	Replenishment Fund											PAGE ONE
	Water Year 2021 (October 1 - September 30) / Fiscal Year (January 1 - December 31, 2021)											
	Proposed 2021 Budget											
	2006	2007	2008	2009	2010	2011	2012	2013	2014			
Replenishment Fund												
Assessments:	2006	2007	2008	2009	2010	2011	2012	2013	2014			
Unit Cost:	WY 05/06	WY 06/07	WY 07/08	WY 08/09	WY 09/10	WY 10/11	WY 11/12	WY 12/13	WY 13/14			
	\$1,132 / \$283	\$1,132 / \$283	\$2,485 / \$21.25	\$3,040 / \$760	\$2,780 / \$695	\$2,780 / \$695	\$2,780 / \$695	\$2,780 / \$695	\$2,702 / \$675.50			
Cal-Am Water Balance Forward	\$	\$	\$	\$	\$	\$	\$	\$	\$			
	3710.0 AF	4059.9 AF	4,226,710	2,966.0 AF	3713.5 AF	3416.0 AF	(6,060,164)	3076.6 AF	(6,173,771)			
Exceeding Natural Safe Yield	2,106,652	2,565,471	5,199,014	3,773,464	4,112,933	3,187,854	2,280,943	2,380,842	2,790,539			
Considering Alternative Producers												
Operating Yield Overproduction			8,511				154,963	181,057	281,012			
Replenishment			20,235									
Total California American	\$	\$	\$	\$	\$	\$	\$	\$	\$			
	2,106,652	2,585,706	5,207,525	3,773,464	4,112,933	3,187,854	2,435,907	2,561,899	3,071,550			
CAW Credit Against Assessment	(465,648)		(12,305,924)	(3,741,714)	(5,095,213)	(5,425,799)	(5,111,413)					
CAW Unpaid Balance	\$	\$	\$	\$	\$	\$	\$	\$	\$			
	1,641,004	4,226,710	(2,871,690)	(2,839,939)	(3,822,219)	(6,060,164)	(8,735,671)	(6,173,771)	(3,102,221)			
City of Seaside Balance Forward	\$	\$	\$	\$	\$	\$	\$	\$	\$			
	332.0 AF	243,294	426,165	1,024,272	1,619,973	891,509	(110,014)	257.7 AF	(1,575,876)			
City of Seaside Municipal Production		387.7 AF	294.3 AF	293.4 AF	282.9 AF	240.7 AF	233.7 AF		223.6 AF			
Exceeding Natural Safe Yield	219,689	174,082	402,540	465,300	314,721	141,335	163,509	236,782	142,410			
Considering Alternative Producers												
Operating Yield Overproduction		85	4,225	16,522	20,690		1,689	27,007	3,222			
Replenishment				481,823	335,412	141,335	165,198	263,788	145,631			
Total Municipal												
	232,310	174,167	406,764	481,823	335,412	141,335	165,198	263,788	145,631			
City of Seaside - Golf Courses												
Exceeding Natural Safe Yield												
Alternative Producer			131,705	69,701								
Operating Yield Overproduction												
Replenishment			32,926	17,427								
Total Golf Courses												
			164,631	87,128								
Total City of Seaside*	\$	\$	\$	\$	\$	\$	\$	\$	\$			
	232,310	174,167	571,395	568,951	335,412	141,335	165,198	263,788	145,631			
City of Seaside Late Payment 5%	10,984	8,704	26,712	26,750	15,737							
In-lieu Credit Against Assessment					(1,079,613)	(1,142,858)	(828,996)	(1,065,852)	(1,459,080)			
City of Seaside Unpaid Balance	\$	\$	\$	\$	\$	\$	\$	\$	\$			
	243,294	426,165	1,024,272	1,619,973	891,509	(110,014)	(773,813)	(1,575,876)	(2,899,325)			
Total Replenishment Fund Balance	\$	\$	\$	\$	\$	\$	\$	\$	\$			
	1,884,298	4,652,874	(1,847,417)	(1,219,966)	(2,830,710)	(6,170,178)	(9,509,483)	(7,749,648)	(5,991,546)			
Replenishment Fund Balance Forward	\$	\$	\$	\$	\$	\$	\$	\$	\$			
	2,349,946	1,884,298	4,652,874	(1,847,417)	(1,219,966)	(2,830,710)	(6,170,178)	(9,509,483)	(7,749,648)			
Total Replenishment Assessments			5,805,632	4,369,165	4,464,082	3,329,189	2,601,104	2,825,688	3,217,182			
Total Paid and/or Credited			(12,305,924)	(3,741,714)	(6,174,826)	(6,968,657)	(5,940,409)	(1,065,852)	(1,459,080)			
Grand Total Fund Balance	\$	\$	\$	\$	\$	\$	\$	\$	\$			
	1,884,298	4,652,874	(1,847,417)	(1,219,966)	(2,830,710)	(6,170,178)	(9,509,483)	(7,749,648)	(5,991,546)			

	Seaside Groundwater Basin Watermaster										ITEM 1.D. 8/19/20					
	Water Year 2021 (October 1 - September 30) / Fiscal Year (January 1 - December 31, 2021)					Replenishment Fund						Projected Totals Through WY 2021				
	2015		2016		2017		2018		2019		Estimated 2020		Totals WY 2006 Through 2020		Budget WY 2021	
	WY 14/15	WY 15/16	WY 16/17	WY 17/18	WY 18/19	WY 19/20	WY 19/20	WY 19/20	WY 19/20	WY 19/20	WY 19/20	WY 19/20	WY 20/21	WY 20/21	WY 20/21	WY 20/21
	\$2,702 / \$675.50	\$2,702 / \$675.50	\$2,872 / \$718	\$2,872 / \$718	\$2,872 / \$718	\$2,872 / \$718	\$2,872 / \$718	\$2,872 / \$718	\$2,872 / \$718	\$2,872 / \$718	\$2,872 / \$718	\$2,872 / \$718	\$2,947 / \$737	\$2,947 / \$737	\$2,947 / \$737	\$2,947 / \$737
	\$ (3,102,221)	\$ (676,704)	\$ (676,704)	\$ (491,747)	\$ (48,797,949)	\$ (47,979,851)	\$ (47,979,851)	\$ (47,979,851)	\$ (47,979,851)	\$ (47,979,851)	\$ (47,979,851)	\$ (47,979,851)	\$ (47,979,851)	\$ (47,979,851)	\$ (47,979,851)	\$ (47,979,851)
Replenishment Fund																
Assessments:																
Unit Cost:																
Cal-Am Water Balance Forward	\$ (3,102,221)	\$ (676,704)	\$ (676,704)	\$ (491,747)	\$ (48,797,949)	\$ (47,979,851)	\$ (47,979,851)	\$ (47,979,851)	\$ (47,979,851)	\$ (47,979,851)	\$ (47,979,851)	\$ (47,979,851)	\$ (47,979,851)	\$ (47,979,851)	\$ (47,979,851)	\$ (47,979,851)
Cal-Am Water Production																
Exceeding Natural Safe Yield Considering Alternative Producers	2,113,414		184,957	1,075,995	818,097	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Operating Yield Overproduction Replenishment	312,103															
Total California American	\$ 2,425,516		\$ 184,957	\$ 1,075,995	\$ 818,097	\$ 120,000	\$ 120,000	\$ 120,000	\$ 120,000	\$ 120,000	\$ 120,000	\$ 120,000	\$ 120,000	\$ 120,000	\$ 120,000	\$ 120,000
CAW Credit Against Assessment																
CAW Unpaid Balance	\$ (676,704)	\$ (676,704)	\$ (491,747)	\$ (48,797,949)	\$ (47,979,851)	\$ (47,979,851)	\$ (47,979,851)	\$ (47,979,851)	\$ (47,979,851)	\$ (47,979,851)	\$ (47,979,851)	\$ (47,979,851)	\$ (47,979,851)	\$ (47,979,851)	\$ (47,979,851)	\$ (47,979,851)
City of Seaside Balance Forward	\$ (2,889,325)	\$ (3,346,548)	\$ (3,232,420)	\$ (3,142,500)	\$ (3,022,249)	\$ (2,919,806)	\$ (2,919,806)	\$ (2,919,806)	\$ (2,919,806)	\$ (2,919,806)	\$ (2,919,806)	\$ (2,919,806)	\$ (2,919,806)	\$ (2,919,806)	\$ (2,919,806)	\$ (2,919,806)
City of Seaside Municipal Production	223.6 AF	185.01 AF														
Exceeding Natural Safe Yield Considering Alternative Producers	69,630	102,330	87,512	93,225	79,893	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Operating Yield Overproduction Replenishment	38	11,959	2,409	27,026	22,550	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Total Municipal	69,667	114,290	89,920	120,251	102,443	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000
City of Seaside - Golf Courses																
Exceeding Natural Safe Yield - Alternative Producer																
Operating Yield Overproduction Replenishment																
Total Golf Courses																
Total City of Seaside*	\$ 69,667	\$ 114,290	\$ 89,920	\$ 120,251	\$ 102,443	\$ 110,000	\$ 110,000	\$ 110,000	\$ 110,000	\$ 110,000	\$ 110,000	\$ 110,000	\$ 110,000	\$ 110,000	\$ 110,000	\$ 110,000
City of Seaside Late Payment 5%																
In-lieu Credit Against Assessment	(526,890)	(162)														
City of Seaside Unpaid Balance	\$ (3,346,548)	\$ (3,232,420)	\$ (3,142,500)	\$ (3,022,249)	\$ (2,919,806)	\$ (2,809,806)	\$ (2,809,806)	\$ (2,809,806)	\$ (2,809,806)	\$ (2,809,806)	\$ (2,809,806)	\$ (2,809,806)	\$ (2,809,806)	\$ (2,809,806)	\$ (2,809,806)	\$ (2,809,806)
Total Replenishment Fund Balance	\$ (4,023,252)	\$ (3,909,125)	\$ (3,634,247)	\$ (51,820,198)	\$ (50,899,657)	\$ (50,669,657)	\$ (50,669,657)	\$ (50,669,657)	\$ (50,669,657)	\$ (50,669,657)	\$ (50,669,657)	\$ (50,669,657)	\$ (50,669,657)	\$ (50,669,657)	\$ (50,669,657)	\$ (50,669,657)
Replenishment Fund Balance Forward	\$ (5,991,546)	\$ (4,023,252)	\$ (3,909,125)	\$ (3,634,247)	\$ (51,820,198)	\$ (50,899,657)	\$ (50,899,657)	\$ (50,899,657)	\$ (50,899,657)	\$ (50,899,657)	\$ (50,899,657)	\$ (50,899,657)	\$ (50,899,657)	\$ (50,899,657)	\$ (50,899,657)	\$ (50,899,657)
Total Replenishment Assessments	2,495,183	114,290	274,877	1,196,246	920,540	230,000	230,000	230,000	230,000	230,000	230,000	230,000	230,000	230,000	230,000	230,000
Total Paid and/or Credited	(526,890)	(162)		(49,382,196)												
Grand Total Fund Balance	\$ (4,023,252)	\$ (3,909,125)	\$ (3,634,247)	\$ (51,820,198)	\$ (50,899,657)	\$ (50,669,657)	\$ (50,669,657)	\$ (50,669,657)	\$ (50,669,657)	\$ (50,669,657)	\$ (50,669,657)	\$ (50,669,657)	\$ (50,669,657)	\$ (50,669,657)	\$ (50,669,657)	\$ (50,669,657)

SEASIDE GROUNDWATER BASIN
WATERMASTER

TO: Budget and Finance Committee

FROM: Robert S. Jaques, Technical Program Manager

REVIEWED BY: Laura Paxton, Administrative Officer

DATE: August 18, 2020

SUBJECT: Consider Approval of Unit Costs for Water Year 2020/21 Over Production Replenishment Assessment

RECOMMENDATION:

Adopt a Replenishment Assessment Unit Cost of \$2,947/AF for Water Year 2021 which begins on October 1, 2020 and ends on September 30, 2021.

BACKGROUND:

Per page 33 of the Decision, “The per acre-foot (AF) amount of the Replenishment Assessments shall be determined and declared by Watermaster in October of each Water Year in order to provide Parties with advance knowledge of the cost of Over-Production in that Water Year.” Thus, the per acre-foot amount determined by the Board on or before October of 2020 will be used to calculate Replenishment Assessments for pumping that occurs during Water Year 2021 which begins on October 1, 2020 and ends on September 30, 2021.

For Water Years 2014, 2015, and 2016 the Board adopted a Replenishment Assessment Unit Cost of \$2,702/AF. This unit cost was developed starting with Water Year 2014 by taking the average of the Base Unit Cost (\$/AF) of the four potential water supply projects that the Board felt were the most likely to be implemented. For Water Year 2017 the Board adopted a revised Replenishment Assessment Unit Cost of \$2,872. This revised Unit Cost was calculated using updated unit cost data for the three projects which the Board at that time felt were the most likely to be implemented. The number of projects was reduced from four to three, because when the WY 2017 Unit Cost was being calculated, it was determined that two of the previous four projects (Regional Desalination and the Pure Water Monterey Groundwater Replenishment Projects) would be part of a combined project referred to as the Monterey Peninsula Water Supply Project. The unit cost for Water Year 2017 was carried over to the three subsequent Water Years because no updated cost data was available for those projects, and no other viable projects could be identified.

DISCUSSION:

The attached Table includes updated cost data for one of the three projects, the Pure Water Monterey Project. The proponents of the Cal Am desalination project and the Regional Urban Water Augmentation Project reported that the previously used cost data had not been updated, and that the previously used unit costs should still be used. In that Table a blended unit cost value is provided for the Monterey Peninsula Water Supply Project based on a reduced size desalination plant offset by water to be provided by the Pure Water Monterey Project. Based on the updated Pure Water Monterey Project’s unit cost, the blended unit cost for that combined project was updated from \$4,591/AF to \$4,817/AF. The Table also includes updated “Potential Dates Replenishment Water Could Become Available.”

The updated Unit Cost would therefore be \$2,947/AF, calculated as: $(\$4,817 + \$2,025 + \$2,000) / 3$. These are the three **bold-faced** unit costs in the attached Table. The Operating Yield Over Production Replenishment Assessment Unit Cost is 25% of that amount, or \$737.

ATTACHMENTS: Updated Unit Cost Data Table; Water Year 2017; & 2014 Unit Cost Data

WATER YEAR 2021 (October 1, 2020-September 30, 2021)

ANTICIPATED UNIT COSTS OF WATER COULD POTENTIALLY BE USED FOR REPLENISHMENT OF THE SEASIDE BASIN

POTENTIAL SOURCE OF REPLENISHMENT WATER	POTENTIAL DATE REPLENISHMENT WATER COULD BECOME AVAILABLE	POTENTIAL VOLUME OF WATER THAT COULD BE SUPPLIED BY THE PROJECT (AFY) ⁽¹⁾	BASE UNIT COST (\$/AF)	BASE UNIT COST YEAR
Regional Desalination ⁽²⁾	2022	6,250	\$6,147	2019
Groundwater Replenishment Project (Pure Water Monterey) ⁽⁶⁾	2020	3,500	\$2,442	2020
Monterey Peninsula Water Supply Project (Combined Regional Desalination with Groundwater Replenishment Project)	GWRP in 2020 Regional Desalination in 2022	9,750	\$4,817⁽³⁾	2018-2020
Seaside Basin ASR Expansion ⁽⁴⁾	2020	1,000	\$2,025	2016
Regional Urban Water Augmentation Project ⁽⁵⁾	2020	1,400-1,700	\$2,000	2018

FOOTNOTES:

(1) For the Regional Desalination Project this is the total amount of water from this source which could potentially come to the CAW distribution system, based on the desalination plant having a 6.4 MGD capacity which is equivalent to 7,169 AFY. Only a portion of this amount might be available as initially unused capacity that could be used to help replenish the Seaside Basin. For the RUWAP this is the total amount of non-potable water from this source. Only a portion of this amount might be used for in-lieu replenishment of the Seaside Basin. For the ASR Expansion Project this is the additional amount of water that could potentially be provided by this project (see footnote 4). For the GWRP this is the quantity of water that is being planned at this time by CAW for inclusion in its Monterey Peninsula Water Supply Project.

(2) Base unit cost data based on PUC filing documents and provided by Dave Stoldt of MPWMD. This unit cost was confirmed in August 2020 by Tim O'Halloran of Cal Am as being the latest unit cost available for this project.

(3) Flow-weighted average unit cost of the combined desalination and groundwater replenishment projects, calculated as:

$$(6,250 \times \$6,147 + 3,500 \times \$2,442) / 9,750 = \mathbf{\$4,817}.$$

(4) Base unit cost data provided by MPWMD in 2016. No updated unit cost was provided for this project. The 1,000 AFY of potential water that this project could supply would be in addition to the 1,300 AFY included as part of the Monterey Peninsula Water Supply Project, and would be an annual average taking into account river flow and hydrologic conditions that change from year to year.

(5) Project data provided by MCWD in 2016. This unit cost was confirmed in August 2020 by Patrick Breen of MCWD as being the latest unit cost available for this project.

(6) Base unit cost based on information provided by Dave Stoldt of MPWMD as reported in the Carmel Pine Cone in early August

WATER YEAR 2014 (October 1, 2013-September 30, 2014)

ANTICIPATED UNIT COSTS OF REPLENISHMENT WATER FOR THE SEASIDE BASIN

POTENTIAL SOURCE OF REPLENISHMENT WATER	POTENTIAL DATE REPLENISHMENT WATER COULD BECOME AVAILABLE	POTENTIAL VOLUME OF WATER THAT COULD BE SUPPLIED BY THE PROJECT (AFY) ⁽¹⁾	LEVEL OF PROJECT DEVELOPMENT	CONTINGENCY INCLUDED IN BASE UNIT COST ⁽²⁾ (%)	BASE UNIT COST (\$/AF)	ADDITIONAL CONTINGENCY ADDED TO REFLECT LEVEL OF PROJECT DEVELOPMENT ⁽³⁾ (%)	UNIT COST INCLUDING ADDITIONAL CONTINGENCY (\$/AF)	UNIT COST INFLATED @ 3% FROM COST BASIS YEAR TO YEAR REPLENISHMENT WATER COULD BECOME AVAILABLE (\$/AF)	VOLUME-WEIGHTED AVG %
Monterey Peninsula Water Supply Project (Regional Desalination) ⁽⁴⁾	2018	9,752	Project Report	30%	\$3,507	0%	\$3,507	\$4,188	56.53%
Seaside Basin ASR Expansion ⁽⁵⁾	2015	1,000	Conceptual	11%	\$1,800	39%	\$2,502	\$2,734	5.80%
Regional Urban Water Augmentation Project ⁽⁶⁾	2017	3,000	Design	5%	\$2,000	10%	\$2,200	\$2,476	17.39%
Groundwater Replenishment Project (GWRP) ⁽⁷⁾	2017	3,500	Conceptual	50%	\$3,500	0%	\$3,500	\$3,500	20.29%

Total Quantity of Replenishment Water (AFY) the Listed Projects Could Cumulatively Potentially be Able to Produce Within the Next 10 Years ⁽⁸⁾ = 17,252

FOOTNOTES:

- (1) For the Monterey Peninsula Water Supply Project this is the total amount of water from this source which could potentially come to the CAW distribution system. Only a portion of this amount might be available as initially unused capacity that could be used to help replenish the Seaside Basin. For the RUWAP this is the total amount of water from this source. Only a portion of this amount might be used for in-lieu replenishment of the Seaside Basin. For the ASR Expansion Project this is the additional amount of water that could potentially be provided by this project (see footnote 5). For the RUWAP this is the total amount of water that this project is expected to produce. Only a portion of this amount might be used as in-lieu replenishment of the Seaside Basin. For the GWRP this is the quantity of water that is being considered at this time by CAW for inclusion in its Monterey Peninsula Water Supply Project.
- (2)(3) The following Contingency percentages were considered reasonable for the indicated levels of project development: Conceptual Level - 50%, Project Report Level - 30%, and Design Level - 15%. The sum of the values in the columns titled "Contingency Included in Base Unit Cost" and "Additional Contingency Added to Reflect Level of Project Development" equals the Contingency appropriate for the project's level of development.
- (4) Project data based on documents provided by Cal Am and MPWMD.
- (5) Project data provided by MPWMD. The 1,000 AFY of potential water that this project could supply would be in addition to the 1,300 AFY included as part of the Monterey Peninsula Water Supply Project, and would be an annual average taking into account river flow and hydrologic conditions that change from year to year.
- (6) Project data provided by MCWD.
- (7) Project data provided by MRWPCA. MRWPCA reported that the GWRP quantity being used in the current CEQA documentation is 3,500 AFY, but that the project could potentially supply 6,500 AFY or more. The unit cost would be lower if a quantity larger than 3,500 AFY were produced.
- (8) This value is the cumulative production capacity of all of the Potential Sources of Replenishment Water that listed in this table, and is used only to determine the "Volume-Weighted Average." It is not the amount of water that is expected to be available to the Seaside Basin.

TABLE 2

WATER YEAR 2017 (October 1, 2016-September 30, 2017)				
ANTICIPATED UNIT COSTS OF WATER COULD POTENTIALLY BE USED FOR REPLENISHMENT OF THE SEASIDE BASIN				
POTENTIAL SOURCE OF REPLENISHMENT WATER	POTENTIAL DATE REPLENISH-MENT WATER COULD BECOME AVAILABLE	POTENTIAL VOLUME OF WATER THAT COULD BE SUPPLIED BY THE PROJECT (AFY) ⁽¹⁾	BASE UNIT COST (\$/AF)	BASE UNIT COST YEAR
Regional Desalination ⁽²⁾	2020	6,250	\$6,147	2019
Groundwater Replenishment Project (Pure Water Monterey) ⁽²⁾	2018	3,500	\$1,811	2018
Monterey Peninsula Water Supply Project (Combined Regional Desalination with Groundwater Replenishment Project)	GWRP in 2018 Regional Desalination in 2020	9,750	\$4,591	
Seaside Basin ASR Expansion ⁽³⁾	2020	1,000	\$2,025	2016
Regional Urban Water Augmentation Project ⁽⁴⁾	2018	1,400-1,700	\$2,000	2018
FOOTNOTES:				
<p>(1) For the Regional Desalination Project this is the total amount of water from this source which could potentially come to the CAW distribution system, based on the desalination plant having a 6.4 MGD capacity which is equivalent to 7,169 AFY. Only a portion of this amount might be available as initially unused capacity that could be used to help replenish the Seaside Basin. For the RUWAP this is the total amount of non-potable water from this source. Only a portion of this amount might be used for in-lieu replenishment of the Seaside Basin. For the ASR Expansion Project this is the additional amount of water that could potentially be provided by this project (see footnote 3). For the GWRP this is the quantity of water that is being planned at this time by CAW for inclusion in its Monterey Peninsula Water Supply Project.</p>				
<p>(2) Base unit cost data based on PUC filing documents and provided by Dave Stoldt of MPWMD .</p>				
<p>(3) Base unit cost data provided by MPWMD. The 1,000 AFY of potential water that this project could supply would be in addition to the 1,300 AFY included as part of the Monterey Peninsula Water Supply Project, and would be an annual average taking into account river flow and hydrologic conditions that change from year to year.</p>				
<p>(4) Project data provided by MCWD.</p>				

**SEASIDE GROUNDWATER BASIN
WATERMASTER**

TO: Budget and Finance Committee

FROM: Robert S. Jaques, Technical Program Manager

DATE: August 18, 2020

SUBJECT: Consider Approving Budget Transfer to Cover Anticipated Additional Costs for Montgomery & Associates to Provide On-Call/As-Requested Hydrogeologic Consulting Services.

RECOMMENDATIONS:

It is recommended that the Committee recommend the Board approve transferring \$5,000 from the Monitoring and Management Program (M&MP) O&M Budget's Contingency line-item to cover anticipated additional consulting assistance needed from Montgomery & Associates in the remainder of 2020.

BACKGROUND:

Montgomery & Associates provides on-call/as-requested hydrogeologic consulting services to the Watermaster under one of its contracts with the Watermaster. The approved dollar amount for those services is \$11,000.

DISCUSSION

There have been an increasing number of meetings and interaction by Watermaster staff with the Salinas Valley Groundwater Sustainability Agency, and expected upcoming meetings with the Marina Coast Water District Groundwater Sustainability Agency, all for the purpose of ensuring that groundwater issues affecting the Seaside Basin, and in particular the Laguna Seca Subarea's declining groundwater level issues, are properly addressed in the Groundwater Sustainability Plans being developed by those two agencies.

While staff can handle much of this work by itself, there are technical issues and informational presentations for which staff needs the assistance of Montgomery & Associates.

The original \$11,000 budgeted for such assistance is being depleted more rapidly than originally expected. Staff recommends that an additional \$5,000 be added to that budget to cover anticipated additional assistance during the remainder of 2020.

FISCAL IMPACT:

The M&MP 2020 O&M Budget contains a line-item titled "Evaluate Replenishment Scenarios and Develop Answers to Basin Management Questions" with a budget amount of \$20,000, none of which has thus far been expended. This line-item budget can be drawn on to cover the proposed \$5,000 transfer to fund the requested additional consulting services.

SEASIDE GROUNDWATER BASIN
WATERMASTER

TO: Budget and Finance Committee

FROM: Laura Paxton, Administrative Officer

DATE: August 18, 2020

SUBJECT: Transfer \$10,000 from the Monitoring and Management Program (M&MP) O&M Budget *Contingency* line-item to cover anticipated additional services needed from Technical Project Manager in the remainder of 2020.

RECOMMENDATIONS:

It is recommended that the Board either

- 1) appoint Watermaster board member(s) to attend all or some of the SGMA-related and water quality/operations meetings;
- 2) or appoint Watermaster Technical Project Manager and approve transferring up to \$10,000 from the Monitoring and Management Program (M&MP) O&M Budget's Contingency line-item to cover the anticipated additional expense for the remainder of 2020.

BACKGROUND:

There have been an increasing number of meetings and interaction by Watermaster staff relating to SGMA for the purpose of ensuring that groundwater issues affecting the Seaside Basin, and in particular the Laguna Seca Subarea's declining groundwater level issues, are properly addressed in the groundwater sustainability plans being developed by groundwater sustainability agencies surrounding the Seaside Basin.

DISCUSSION

Mr. Jaques currently represents Watermaster as a member of the Salinas Valley Basin Groundwater Sustainability Agency (SVBGSA) Advisory Committee and will attend as public the Seawater Intrusion Working Group and the Monterey Subbasin Groundwater Sustainability Plan Committee of the SVBGSA. Mr. Jaques notes that meetings are for groundwater planning and management and are generally not highly technical in nature. Moreover, (unrelated to SGMA) Mr. Jaques has submitted a request for Watermaster membership on the Pure Water Monterey Seaside Water Quality and Operations Committee.

The original \$50,000 budgeted for Mr. Jaques this fiscal (calendar) year is not anticipated to cover SGMA and water quality/operations meeting attendance if appointment of a board member is not made. Staff recommends that an additional \$10,000 be added to technical project manager budget to cover his anticipated additional time during the remainder of 2020 if Mr. Jaques is confirmed as Watermaster representative to all of the meetings.

FISCAL IMPACT:

Appointment of board member(s) to some or all of the meetings referenced above would adjust accordingly the \$10,000 proposed amount of budget transfer needed from the M&MP 2020 O&M Budget Contingency line-item amount of \$15,088 for technical project manager attendance.

**SEASIDE GROUNDWATER BASIN
WATERMASTER**

TO: Budget and Finance Committee

FROM: Laura Paxton, Administrative Officer

DATE: August 18, 2020

SUBJECT: Discuss the basis and tracking of allocation of metered water when a Watermaster Party sets a meter at new construction.

DISCUSSION:

This item was requested to be placed on the agenda for discussion purposes by Committee Member and Watermaster Board Member, Chris Cook of California American Water.