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The agenda is subject to change.



AGENDA
Water Supply Planning Committee
Of the Monterey Peninsula Water Management District

Monday, January 4, 2021, 4 pm, Virtual Meeting

Pursuant to Governor Newsom's Executive Orders N-29-20 and N-33-20, and to do all we can to help slow the spread of COVID-19 (coronavirus), meetings of the Monterey Peninsula Water Management District Board of Directors and committees will be conducted with virtual (electronic) participation only using WebEx.

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Event number: 126 549 1304

Meeting password: Storage

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**Water Supply
Planning Committee**

Members:

George Riley, Chair

Mary Adams

Vacant

Alternate:

Alvin Edwards

Staff Contact

*David J. Stoldt,
General Manager*

*After staff reports have
been distributed, if
additional documents are
produced by the District
and provided to the
Committee regarding any
item on the agenda they
will be made available on
the District's website
prior to the meeting.
Documents distributed at
the meeting will be made
available upon request
and posted to the
District's website within
five days following the
meeting.*

Call to Order

Comments from Public - *The public may comment on any item within the District's jurisdiction. Please limit your comments to three minutes in length.*

Action Items - *Public comment will be received. Please limit your comments to three (3) minutes per item.*

1. Consider Adoption of December 7, 2020 Committee Meeting Minutes

Discussion Items – *Public comment will be received. Please limit your comments to three (3) minutes per item.*

2. Discussion of Replenishment Fund – Seaside Groundwater Basin
3. Update on Pure Water Monterey Project
4. Update on ASR Construction

Suggest Items to be Placed on Future Agendas

Adjournment

Upon request, MPWMD will make a reasonable effort to provide written agenda materials in appropriate alternative formats, or disability-related modification or accommodation, including auxiliary aids or services, to enable individuals with disabilities to participate in public meetings. MPWMD will also make a reasonable effort to provide translation services

upon request. Submit requests by noon on Thursday, December 31, 2020, to the Board Secretary, arlene@mpwmd.net or call 831-658-5652.

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See next page of agenda for instructions on connecting to WebEx meeting

Instructions for Connecting to the WebEx Meeting

Note: If you have not used WebEx previously, when you begin connecting to the meeting you may be asked to download the app. If you do not have a computer, you can participate by phone.

Begin: Within 10 minutes of the meeting start time from your computer click on this link <https://mpwmd.webex.com/mpwmd/onstage/g.php?MTID=e7ca068df42ddaff77eb93e49b58c2> or paste the link into your browser or go to: mpwmd.webex.com.

Under “Join a Meeting” enter the event number 126 549 1304, hit the enter key and when prompted enter the meeting password Storage, click “Next” and see the dropdown menu at the bottom of the screen “Use computer for audio” and select the method you will use to hear the meeting – see below.

1) Audio and video connection from computer with WebEx app – view participants/materials on your screen

Click on the “Use computer for audio” drop down list

Click “Join Meeting”

Once in the meeting, mute your microphone.

Turn your microphone on when it is your turn to speak.

2) View material on your computer screen and listen to audio on your phone

From the “Use computer for Audio” drop down list select “Call In”

Click on “Join Meeting” / You will see a toll-free telephone number, access code, and attendee ID # -- enter these numbers on your phone.

Mute the microphone on your computer.

Disable computer speakers using the Settings menu.

Join by phone only (no computer) dial 1-877-668-4493 and use the meeting number above.

Present Public Comment

Receipt of Public Comment – the Chair will ask for comments from the public on all items. Limit your comment to 3 minutes.

- (a) Computer Audio Connection: Select the “raised hand” icon. When you are called on to speak, please identify yourself.
- (b) Phone audio connection **with** computer to view meeting: Select the “raised hand” icon. When you are called on to speak, please identify yourself.
- (c) Phone audio connection only: Press *3. Wait for the clerk to unmute your phone and then identify yourself and provide your comment. Press *3 to end the call.

Submit Written Comments

If you are unable to participate via telephone or computer to present oral comments, you may also submit your comments by e-mailing them to comments@mpwmd.net with one of the following subject lines "PUBLIC COMMENT ITEM #" (insert the item number relevant to your comment) or “PUBLIC COMMENT – ORAL COMMUNICATIONS”. Comments must be received by 12:00 p.m. on Monday, January 4, 2021. Comments submitted by noon will be provided to the committee members and compiled as part of the record of the meeting.

WATER SUPPLY PLANNING COMMITTEE

ITEM: ACTION ITEM

1. CONSIDER ADOPTION OF DECEMBER 7, 2020 COMMITTEE MEETING MINUTES

Meeting Date: January 4, 2021

From: David J. Stoldt,
General Manager

Prepared By: Arlene Tavani

CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines Section 15378.

SUMMARY: Attached as **Exhibit 1-A** are draft minutes of the December 7, 2020 committee meeting.

RECOMMENDATION: The Committee should adopt the minutes by motion.

EXHIBIT

1-A Draft Minutes of the December 7, 2020 Committee Meeting



EXHIBIT 1-A

DRAFT MINUTES Water Supply Planning Committee of the Monterey Peninsula Water Management District *December 7, 2020*

Call to Order: The WebEx virtual meeting was called to order at 4:00 pm.

Committee members present: George Riley, Chair
Mary Adams
Molly Evans

Committee members absent: None

Staff members present: David J. Stoldt, General Manager
Jonathan Lear, Water Resources Division Manager
Thomas Christensen, Environmental Resources Div. Mgr.
Maureen Hamilton, Water Resources Engineer
Arlene Tavani, Executive Assistant

District Counsel present: David Laredo, De Lay & Laredo
(departed from the meeting at 5:09 pm)

Comments from the Public: No comments were directed to the Board.

Action Items

1. **Consider Adoption of November 2, 2020 Committee Meeting Minutes**
On a motion by Evans, seconded by Adams, the minutes of November 2, 2020 were adopted on a unanimous roll-call vote of 3 – 0 by Evans, Adams and Riley.
2. **Consider Development of a Recommendation to the Board of Directors regarding Adoption of an Addendum to the District's Prior ASR Environmental Impact Report for Construction of a Bypass Pipeline to Allow Simultaneous Pure Water Monterey Recovery and ASR Injection** *(Subject to CEQA Review per CEQA Guideline Sections 15162 and 15164)*
The staff report on this item listed eight questions that had been asked about this project at a previous meeting. Staff responded to several of the questions. The District's Water Resources Division Manager, Jon Lear, presented a PowerPoint that provided information related to questions 3 and 4. Staff noted that the statistics presented were based on 90 years of streamflow records. The PowerPoint can be viewed on the District's website. Additional comments were provided by Tyler Potter, Senior Planner with Denise Duffy and Associates.

Adams made a motion to table this issue until a later date. The motion was seconded by Riley. Riley then offered an amendment to table the issue until April 2021. Adams accepted the amendment. The amended motion was approved on a roll-call vote of 2 – 1 by Adams and Riley. Evans was opposed.

Public Comment: Ian Crooks, California American Water, stated that the community faced a reduction in the effective diversion limit of 1,000 acre-feet. Every drop of water must be maximized, including water from the Pure Water Monterey facility. The PowerPoint presented by Jon Lear illustrated how that could be accomplished with the bypass pipeline. He stated that the proposed portion of pipeline would be constructed as part of the Pure Water Monterey Expansion if it were to be approved. The pipeline could be constructed now in order to achieve maximum water production until another water supply project was approved.

Discussion Items

3. Update on Pure Water Monterey Project

Stoldt reported that following conditioning of deep injection well #1, injection rates had increased. Maureen Hamilton, Water Resources Engineer, reported on progress on the conditioning of deep injection well #2 that should be complete by December 21, 2020. In addition, she provided an update on work that had begun at the Vados well #3 site.

4. Update on ASR Construction

Hamilton reported that construction of fencing around the site was underway.

Suggest Items to be Placed on Future Agendas

Adjournment: The meeting was adjourned at 5:20 pm.

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WATER SUPPLY PLANNING COMMITTEE

ITEM: DISCUSSION ITEM

2. DISCUSSION OF REPLENISHMENT FUND - SEASIDE GROUNDWATER BASIN

Meeting Date:	January 4, 2021	Budgeted:	
From:	David J. Stoldt General Manager	Program/ Line Item:	N/A
Prepared By:	David Stoldt	Cost Estimate:	

General Counsel Review: N/A

Committee Recommendation: N/A

CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines section 15378.

SUMMARY: At its meeting of September 2, 2020 the Watermaster Board determined that beginning with WY 2021 the Natural Safe Yield Replenishment Assessment unit cost should be updated to \$2,947 per acre-foot, and the Operating Yield Replenishment Assessment unit cost should be updated to \$737 per acre-foot. The Agenda transmittal which explains the basis of calculation for these new unit costs is contained in **Exhibit 2-A**. Alternative and Standard Producers report their production amounts from the Basin to the Watermaster on a quarterly basis. Based upon the reported production for WY 2020, CAWC's Replenishment Assessment for Overproduction in excess of its share of the Natural Safe Yield is \$959,859, and for overproduction in excess of its share of the Operating Yield is \$164,872. Based upon the reported production for WY 2020, the City of Seaside's Replenishment Assessment for its Municipal System for Overproduction in excess of its share of the Natural Safe Yield is \$92,089, and for overproduction in excess of its share of the Operating Yield is \$24,886. The City of Seaside did not exceed its Alternative Production Allocation for its Golf Course System production. A summary of the calculations for 7 Replenishment Assessments for WY 2020 is contained in **Exhibit 2-B**.

According to the Court's adjudication decision, "Replenishment Assessment" means an assessment levied by the Watermaster per each acre-foot of Over-Production against each party Over-Producing Groundwater in the previous Water Year. The amount of the assessment shall be sufficient to cover the cost of Artificial Replenishment in an amount necessary to off-set that Producer's Over-Production, and levied as provide in Section III.L.3.j.iii. The assessment must of necessity be initially determined based upon the estimated cost of providing Non-Native water to replenish the Basin, as determined by the Watermaster.

However, the decision also states: "Credit Toward Replenishment Assessment. California American's expenditures for water supply augmentation may also provide replenishment water for the Basin. Accordingly, on an annual basis, California American will provide the Watermaster with an accounting of all expenditures it has made for water supply augmentation that it contends

has or will result in replenishment of the Basin. The Watermaster shall review these expenditures and if it concurs reduce California American's Replenishment Assessment obligation, for that year, by an amount equal to the amount claimed by California American.”

This process will be discussed at the Committee’s January 4, 2021 meeting.

EXHIBITS

2-A Updated Replenishment Assessment Unit Costs

2-B Replenishment Assessment Calculations for WY 2020

EXHIBIT 2-A

ITEM VIII.C
9-2-20

SEASIDE GROUNDWATER BASIN WATERMASTER

TO: Board of Directors

FROM: Robert S. Jaques, Technical Program Manager

DATE: August 20, 2020

SUBJECT: Discuss/Consider Recommendation to the Watermaster Board to Approve the Proposed Replenishment Assessment Unit Costs for Natural Safe Yield and Operating Yield Overproduction

RECOMMENDATIONS:

Adopt a Replenishment Assessment Natural Safe Yield Unit Cost of \$2,947/AF and an Operating Yield Unit Cost of \$737/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 Natural Safe Yield 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 Natural Safe Yield 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 Water Year 2017 Unit Cost 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

At its August 18, 2020 meeting, the Budget and Finance Committee was presented, and discussed, the attached Table which 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.

EXHIBIT 2-A

The Table also includes updated “Potential Dates Replenishment Water Could Become Available.”

During the Budget and Finance Committee meeting, it was noted that the ASR Expansion Project unit cost might also need to be updated. MPWMD reported that if the figure needed to be updated, it would provide the updated figure to Mr. Jaques. Subsequent to the Budget and Finance Committee meeting, MPWMD reported that it would be appropriate to continue using the \$2,025 per acre-foot unit cost that had been previously provided by them for the Seaside Basin ASR Expansion Project. Thus, there was no need to revise the Replenishment Assessment unit cost figure from that which had been presented at the Budget and Finance Committee meeting.

Therefore, the updated Natural Safe Yield Unit Cost that is recommended for use in Water Year 20201 is \$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

1. Updated Unit Cost Data Table
2. Water Year 2014 Unit Cost Data
3. Water Year 2017 Unit Cost Data

EXHIBIT 2-A

Updated Unit Cost Table

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 and confirmed as still applicable in August 2020. 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 2020, and confirmed during Budget and Finance Committee meeting on August 18, 2020.				

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) ⁽⁴⁾	LEVEL OF PROJECT DEVELOPMENT	CONTINGENCY INCLUDED IN BASE UNIT COST ⁽²⁾ (%)	BASE UNIT COST (S/AF)	BASE UNIT COST YEAR	ADDITIONAL CONTINGENCY ADDED TO REFLECT LEVEL OF PROJECT DEVELOPMENT ⁽³⁾ (%)	UNIT COST INCLUDING ADDITIONAL CONTINGENCY (S/AF)	UNIT COST INFLATED @ 3% FROM COST BASIS YEAR TO YEAR REPLENISHMENT WATER COULD BECOME AVAILABLE (S/AF)	VOLUME-WEIGHTED AVG %	
Monterey Peninsula Water Supply Project (Regional Desalination) ⁽⁶⁾	2018	9,752	Project Report	30%	\$3,507	2012	0%	\$3,507	\$4,188	56.53%	
Seaside Basin ASR Expansion ⁽⁶⁾	2015	1,000	Conceptual	11%	\$1,800	2012	39%	\$2,502	\$2,734	5.80%	
Regional Urban Water Augmentation Project ⁽⁶⁾	2017	3,000	Design	5%	\$2,000	2013	10%	\$2,200	\$2,476	17.39%	
Groundwater Replenishment Project (GWRP) ⁽⁷⁾	2017	3,500	Conceptual	50%	\$3,500	2017	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 ⁽⁶⁾ =										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-levu 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-levu 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.											

EXHIBIT 2-A

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:				
(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.				
(2) Base unit cost data based on PUC filing documents and provided by Dave Stoldt of MPWMD.				
(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.				
(4) Project data provided by MCWD.				

EXHIBIT 2-B

WATERMASTER PRODUCER ALLOCATIONS WATER YEAR 2020 IN ACRE-FEET (AF)														
INCLUDING A 10% TRIENNIEL REDUCTION FOR 100% OF THIS WATER YEAR														
Initial Basin-Wide Operating Yield ⁽¹⁾				3360.00		Coastal Operating Yield ⁽¹⁾				2716.00				
Natural Safe Yield (NSY) ⁽²⁾				3000.00		Laguna Seca Operating Yield ⁽¹⁾				644.00				
ALTERNATIVE PRODUCER ALLOCATIONS						ALTERNATIVE PRODUCER AMOUNT PUMPED WY 2020								
Coastal Subarea ⁽³⁾		AF	Laguna Seca Subarea ⁽³⁾		AF	Coastal Subarea ⁽³⁾		AF	Laguna Seca Subarea ⁽³⁾		AF			
Seaside (Golf)		540.00	Nicklaus Club Monterey		251.00	Seaside (Golf)		537.00	The Club at Pasadera		214.00			
SNG		149.00	Bishop		320.00	SNG		0.26	Bishop		174.96			
Calabrese		6.00	York School		32.00	Calabrese		0.00	York School		17.39			
Mission Memorial (Alderwood)		31.00	Laguna Seca County Park		41.00	Mission Memorial (Alderwood)		20.00	Laguna Seca County Park		19.06	Total Alternative Producer WY 2020 Production		
Sand City		9.00				Sand City		1.35						
Total ⁽¹⁾		735.00	Total ⁽¹⁾		644.00	Total ⁽¹⁾		558.61	Total ⁽¹⁾		425.41			
984.02														
STANDARD PRODUCER ALLOCATIONS														
Coastal Operating Yield Available to Standard Producers (AF)				1981.00		Laguna Seca Operating Yield Available to Standard Producers (AF)				0.00				
Coastal Subarea		Standard Producer Allocations		AF Available to This Producer	Laguna Seca Subarea	Standard Producer Allocations		AF Available to This Producer						
		Base Water Right % ⁽⁴⁾	Weighted % ⁽⁵⁾			Base Water Right % ⁽⁴⁾	Weighted % ⁽⁵⁾							
California American Water (CAW)		77.55%	90.44%	1791.62	CAW	45.13%	100.00%	0.00						
Seaside (Municipal)		6.36%	7.42%	146.99										
Granite Rock		0.60%	0.70%	13.87										
D.B.O. Development No. 30		1.09%	1.27%	25.16										
Calabrese (Cypress Pacific Investors LLC)		0.15%	0.17%	3.37										
Total		85.75%	100.0%	1981.00	Total	45.13%	100.0%	0.00						
Allocation of Available Operating Yield Among Standard Producers		Base Water Right Available to this Producer (AF)	% NSY to SPA (Base Water Right / Total Water Right)	NSY Available to Producers (AF) Current Water Year	Free Carryover Credits from Prior Water Year	Not-Free Carryover Credits from Prior Water Year	Water Rights Transferred / Sold DBO to CAW 710 Amador (0.16) DBO to CAW 2 Upper Ragsdale (2.15)	Water Rights Transferred / Sold Calabrese to CAW Ryan Ranch CHOMP	Total Producer NSY (AF) (NSY Available + Free Carryover Credits)	Total Authorized Production Current WY (Base Water Right Plus All Carryover) ⁽⁶⁾	Actual AF Pumped by Producer in WY 2020	Free Carry over Credits to WY 2021	Not-Free Carry over Credits to WY 2021	Stored Water Credits to WY 2021
				WY 2020 APA Pumped 984.01 AF										
			NSY 3000 - 984.01 AF =	2015.99										
California American Water		1791.62	90.44%	1823.26	0.00	130.75	2.31	3.17	1828.74	1927.84	2157.47	0.00	0.00	845.93
Seaside (Municipal)		146.99	7.42%	149.59	0.00	0.00	0.00	0.00	149.59	146.99	181.65	0.00	0.00	0.00
Granite Rock		13.87	0.70%	14.11	194.88	27.12	0.00	0.00	208.99	235.87	0.00	208.99	13.01	0.00
D.B.O. Development No. 30		25.16	1.27%	25.60	364.98	38.98	(2.31)	0.00	388.27	426.81	0.00	388.27	15.69	0.00
Calabrese (Cypress Pacific Investors LLC)		3.37	0.17%	3.43	14.65	1.64	0.00	(3.17)	14.91	16.49	0.00	14.91	1.58	0.00
Total		1981.00	100.00%	2015.99	574.50	198.49	0.00	0.00	2590.49	2754.00	2339.12	612.17	30.28	845.93
Footnotes:														
(1) From page 17 of Exhibit A (Amended Decision)of Court Order filed February 9, 2007.														
(2) From page 14 of Exhibit A (Amended Decision)of Court Order filed February 9, 2007.														
(3) From page 21 of Exhibit A (Amended Decision)of Court Order filed February 9, 2007.														
(4) From Table 1 on page 19 of Exhibit A (Amended Decision) of Court Order filed February 9, 2007.														
(5) Calculated from the Base Water Right percentages in the adjacent column. Any discrepancy in totals is due to rounding.														
(6) Base Water Right plus Free and Not Free Carryover Credit = 2018 Production Allocation capped at storage allocation (see 2018 Declaration from 12/6/2017 Watermaster board meeting)														
Note: Calabrese (Cypress Pacific Investors LLC) opted to convert 8AF of its 14AF Alternative Production Allocation to Standard Production Allocation on January 22, 2015 (notice filed by Cypress with Superior Court).														
Producers carryover is capped at their storage capacity.														

EXHIBIT 2-B

CALCULATION OF REPLENISHMENT ASSESSMENTS WATER YEAR 2020									
Using the Basin-wide methodology approved by the Court on January 12, 2007, and as shown in detail on the spreadsheet contained in this attachment, Watermaster calculated the Water Year (WY) (October 1st through September 30th) 2020 Replenishment Assessments as follows:									
	2020 Replenishment Assessment NSYO Unit Charge =				\$2,872.00				
	2020 Replenishment Assessment OSYO Unit Charge =				\$718.00				
2020 Natural Safe Yield (NSY) Available to Standard Producers =					2,015.99	AF (3,000 AF NSY - 984.01 Alternative Producers 2020 Production)			
	WY 2020 Production (AF)	% of NSY Available	Volume of NSY Available (AF)	NSY Overproduction (AF)	NSY Overproduction Assessment	Operating Yield Available (AF)	Operating Yield Overproduction (AF)	Operating Yield Overproduction Assessment	Total Assessment
Standard Producers									
California American Water	2,157.47	90.44%	1,823.26	334.21	\$ 959,859.26	1,927.84	229.63	\$ 164,871.96	\$ 1,124,731.22
Seaside (Municipal)	181.65	7.42%	149.59	32.06	92,088.74	146.99	34.66	24,886.10	116,974.84
Granite Rock	-	0.70%	14.11	-	-	235.87	-	-	-
D.B.O. Development No. 30	-	1.27%	25.60	-	-	426.81	-	-	-
Calabrese (Cypress Pacific Inv.)	-	0.17%	3.43	-	-	16.49	-	-	-
Total Production	2,339.12	100.00%	2,015.99	366.28	\$ 1,051,947.99	2,754.00	264.29	\$ 189,758.06	\$ 1,241,706.05
	WY 2020 Production (AF)	% of NSY Available	Volume of NSY Available (AF)	NSY Overproduction (AF)	NSY Overproduction Assessment	Operating Yield Available (AF)	Operating Yield Overproduction (AF)	Operating Yield Overproduction Assessment	Total Assessment
Alternative Producers									
City of Seaside (Golf Courses)	537.00	N/A	540.00	0.00	\$ -	540.00	0.00	\$ -	\$0
Security National Guaranty	0.26	N/A	149.00	0.00	-	149.00	0.00	-	-
Calabrese (Cypress Pacific Inv.)	-	N/A	6.00	0.00	-	6.00	0.00	-	-
Mission Memorial (Alderwoods)	20.00	N/A	31.00	0.00	-	31.00	0.00	-	-
City of Sand City	1.35	N/A	9.00	0.00	-	9.00	0.00	-	-
Nicklaus Club Monterey	214.00	N/A	251.00	0.00	-	251.00	0.00	-	-
Laguna Seca Golf Resort (Bishop)	174.96	N/A	320.00	0.00	-	320.00	0.00	-	-
York School	17.39	N/A	32.00	0.00	-	32.00	0.00	-	-
Laguna Seca County Park	19.06	N/A	41.00	0.00	-	41.00	0.00	-	-
Total Production	984.02	N/A	1,379.00	0.00	\$ -	1,379.00	0.00	\$ -	\$0