

MEETING NOTICE AND AGENDA
TECHNICAL ADVISORY COMMITTEE
OF THE
SEASIDE BASIN WATER MASTER

DATE: Wednesday, January 12, 2011

MEETING TIME: 1:30 p.m.

Monterey Regional Water Pollution Control Agency Offices
 5 Harris Court, Building D (Ryan Ranch)
 Monterey, CA 93940

If you wish to participate in the meeting from a remote location, please call in on the Watermaster Conference Line by dialing (877)810-9415. Use the Access Code of 4560043. Please note that if no telephone attendees have joined the meeting by 10 minutes after its start, the conference call will be ended.

OFFICERS

Chairperson: Diana Ingersoll, City of Seaside

1st Vice-Chairperson: Eric Sabolsice, California American Water Company

2nd Vice-Chairperson: Rob Johnson, MCWRA

MEMBERS

California American Water Company	City of Del Rey Oaks	City of Monterey
City of Sand City	City of Seaside	Coastal Subarea Landowners
Laguna Seca Property Owners	Monterey County Water Resources Agency	Public Member (Vacant)
Monterey Peninsula Water Management District		

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6. Set next meeting date:	
The next regular meeting will be held on Wednesday, February 9, 2011 at 1:30 p.m. at the MRWPCA Board Room	

**SEASIDE BASIN WATER MASTER
TECHNICAL ADVISORY COMMITTEE**

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

MEETING DATE:	January 12, 2011
AGENDA ITEM:	1.A
AGENDA TITLE:	Approve Minutes from October 13, 2010
PREPARED BY:	Robert Jaques, Technical Program Manager

SUMMARY:

Draft Minutes from this meeting were emailed to all TAC members. Proposed changes have been included in the attached version. This matter is being carried over from the November 10, 2010 TAC meeting at which a quorum was not present to approve the Minutes.

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

D-R-A-F-T
MINUTES

**Seaside Groundwater Basin Watermaster
Technical Advisory Committee Meeting
October 13, 2010**

Attendees: TAC Members

City of Seaside – Sydney Moe
California American Water – Mike Magretto
City of Monterey – Norm Green
Laguna Seca Property Owners – No Representative
MPWMD – Joe Oliver
Public Member – No Representative
MCWRA – Rob Johnson
City of Del Rey Oaks – No Representative
City of Sand City – No Representative
Coastal Subarea Landowners – No Representative

Watermaster

Technical Program Manager - Robert Jaques

Consultants

HydroMetrics LLC – Derrick Williams & Georgina King (via telephone)

Others:

MPWMD – Jonathan Lear

The meeting was called to order at 1:33 p.m.

Prior to starting on the Agenda, Vice-Chair Johnson held a moment of silence in memory of John Fischer, long-time Public Member of the TAC, who had recently passed away.

1. Administrative Matters:

A. Approve Minutes from August 11, 2010 Meeting

On a motion by Mr. Oliver, second by Mr. Green, the minutes were unanimously approved as presented.

B. Receive Notes from Gathering of Portion of TAC on September 8, 2010 (No Quorum so no meeting was convened)

This item was received for information only, and there was no discussion on it.

2. Select Possible Further Work Tasks to be Performed Regarding Evaluation of Coastal Wells for Possible Cross-Aquifer Contamination Potential

Mr. Jaques summarized the background on this agenda item along with his recommendations with regard to what work items he felt should be implemented, as described in the agenda packet.

Mr. Lear explained that Task 3 was proposed because it would be helpful to create a complete list of all wells in the Basin. Getting the data to HydroMetrics for the SIAR this year highlighted to Mr. Lear the desirability of including all of the wells HydroMetrics needs in the database. Currently not all of those wells are in the database. In response to a question from Mr. Jaques with regard to why the wells had not already been included in the database, Mr. Oliver responded that they apparently had not all been identified by RBF Consultants when they prepared the original database.

Mr. Oliver explained that Task 4 was proposed because it would be efficient to perform this work when all of the other data is also being compiled. Under the proposed scope of work for this Task, PVC well casing locations would be identified, but no induction logging would actually be performed. That would be extra work funding additional cost.

Mr. Oliver explained that Task 6 was probably the least-needed of the proposed tasks in the list. This was thought of in conjunction with AB3030 which requires development of Groundwater Management Plans. However, adjudicated basins are not required to prepare such plans, so this is more of a peripheral issue. Mr. Jaques commented that this may be more a task for the Monterey County Health Department to carry out.

Mr. Lear explained that Task 7 would be useful if grant funds were sought in order to have funding in order to properly destroy any abandoned wells. Mr. Johnson noted that well destruction can be very costly. Mr. Lear said that under this Task he would field verify the location of abandoned wells.

Mr. Oliver said that he recommended that Tasks 1 through 5 be performed at this time, and that Tasks 6 and 7 could be deferred to the future date. Ms. Moe said that she recommended doing Tasks 1 through 5 and 7 at this time, because the Santa Margarita aquifer is one of the aquifers from which the City of Seaside's water system draws.

Mr. Lear said that Task 7 is the hardest one for which to develop a budget estimate.

A motion was made by Ms. Moe, seconded by Mr. Green, to perform Tasks 1 through 5 and 7 at this time, and to defer further consideration of Task 6. The motion passed unanimously.

3. Discuss and Take Potentially Take Action to Approve the 2010 Seawater Intrusion Analysis Report (SIAR)

Mr. Jaques introduced this agenda topic and Ms. King provided an overview discussion with regard to the SIAR. She said that it is very similar to prior SIARs with the following exceptions:

SBWM-5 (BLM site) has been added.

A section has been added discussing protective water levels.

Ms. King briefly summarized the findings as contained in the agenda packet materials. All of the diagnostic tools, including Piper diagrams, Stiff diagrams, Na:Cl ratios, and chloride concentration mapping all produced very similar results to previous years. Production data is still coming in from the Watermaster, and it will probably not all be received until late October.

Higher chloride levels were found in some wells than were found in prior years, but most of these were still well below historic highs, according to Mr. Williams.

Ms. King said that some ground water levels have risen one to two feet, possibly due to reduced production levels in the Northern Coastal Subarea. Other subareas are pretty much the same as last year, she reported. She also said that there was more rainfall than in the prior year, but it was still below historic average levels. Mr. Oliver said that ASR injection of 1,111 acre-feet last Water Year may also have contributed in part to rising groundwater levels. The water that was injected has not yet been extracted. None of the deep wells had water levels reaching protective water levels, but some of the shallow wells did.

Ms. King summarized the SIAR recommendations as follows:

Refine protective water levels using refined aquifer properties. This may result in some of the protective water levels going down slightly.

Continue at the same semi-annual water quality sampling frequency at SBWM-4.

Continue preparing the SIAR annually.

Mr. Jaques asked Ms. King if last year's precipitation was below long-term historic averages. Mr. Lear said that the rainfall data this past winter was very close to historical averages at the range gauge located near the MPWMD's office building. Mr. Johnson and Mr. Oliver said they were somewhat surprised to learn that the rainfall in the Seaside Basin area was below historic averages, because in other areas of the county, for example the Salinas Valley at the Salinas Airport as well as the Los Padres Dam, unofficial precipitation totals were approximately 130% of average rainfall." Mr. Lear said that he would coordinate with Ms. King on this for continuity of data between the various agencies.

Ms. King said that the PCA-West shallow well showed a jump in groundwater level and she is still investigating an explanation for this with MPWMD.

Ms. King said that data from SBWM-5 has been added as a data point which results in some altering of the contour maps in this report compared to the maps contained in prior reports.

Mr. Williams said that the shallow aquifer may have a "dry area", and that extending the contour lines all the way to the southeasterly boundary of the Seaside Basin probably should not be done in this report, although it has been projected that far inland in prior reports which did not detect the dry area.

Following some additional questions and answers, there was TAC consensus to recommend approval of the SIAR to the Board. In response to a question from Ms. King, Mr. Jaques said that the deadline for completion of the SIAR would be the Friday preceding the November 3 Board meeting, so the SIAR can be posted on the Watermaster's web site at that time. Ms. King should stand electronic version of the final SIAR to the Watermaster by that date.

4. Initial Consultant Contracts for FY 2011

C. MPWMD RFS No. 2011-01

D. MPWMD RFS No. 2011-02

E. HydroMetrics RFS No. 2011-01

F. HydroMetrics RFS No. 2011-02

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

The four contracts were discussed as a group. Mr. Oliver reported that he was still making some corrections to Table 2 of MPWMD RFS No. 2011-01, but there would be no cost impacts as a result of making those corrections. He also reported some reduction in cost in Attachment 3 of that RFS.

Mr. Jaques noted a correction in the dollar amount for MPWMD RFS No. 2011-02 on page 37 of the agenda packet. The correct dollar amount should be \$4,140, rather than the \$5,760 that is shown.

With these edits made, a motion was made by Mr. Johnson, seconded by Mr. Green, to approve these four contracts, and the motion passed unanimously.

5. Discuss and Potentially Take Action Regarding Revising Definition of Quorum for TAC Meetings and Voting Requirements for Taking Action at TAC Meetings

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

Ms. Moe said she recommended that the new TAC quorum consist of 4 members, and that at least 3 affirmative votes should be necessary for any action to be taken. Mr. Oliver suggested that the Board determine whether 3 or 4 members should constitute a quorum.

Following additional discussion, there was a motion by Mr. Oliver, seconded by Mr. Johnson, that the revised TAC quorum be 4 members, and that 3 affirmative votes be required to take action. The motion passed unanimously.

6. Report by MPWMD on Program Schedule and Standard Operating Procedures

Mr. Oliver said that his only recommendation at this time was to continue collecting and reviewing groundwater quality data using the low-flow purge sampling technique for a total of two full years before making any recommendations with regard to reducing sampling frequencies. He said this is consistent with prior year recommendations. He will continue to plan for at least one site to have a continuous water quality data logger installed, at MPWMD expense, on a coastal well.

7. Discuss and Potentially Take Action Regarding Performing Another Wellhead Elevation Survey in 2011 to Determine Whether or Not Subsidence is Occurring

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

Mr. Williams recommended performing an additional wellhead survey just one time, and if no subsidence was detected, then to discontinue performing further wellhead surveys. Mr. Green asked what if no subsidence is seen at this time, could it occur later. Mr. Williams responded that if groundwater levels rise, subsidence should not occur due to overpumping of the aquifer. Mr. Oliver said that generally subsidence is due to falling groundwater levels, and would likely be gradual. Mr. Lear and Mr. Johnson said that subsidence can also be affected by climatic conditions such as drought periods, pumping levels, and even earthquakes. Mr. Lear said there are other remote sensing techniques available such as satellite data (NSAR) which might be useful for examining subsidence possibilities, but these have their limitations.

There was consensus to do the same type of survey this year as was previously performed in 2008.

Mr. Oliver said some wells may drop off the list, and some new ones should be added. If the 2008 wellhead survey data and is compared to the 2011 survey data, it would probably yield some initial conclusions with regard to subsidence issues.

Mr. Green commented that the surveyors may also be able to get some additional data when they are at the well sites.

There was discussion that if the new wellhead survey data indicates possible subsidence, a repeat wellhead survey should probably be done in the following year to determine if this is a trend.

8. Discuss and Provide Input on Preliminary Draft Annual Report for 2010

Mr. Jaques briefly summarized the scope of the Annual Report and some of the key findings contained in it. He highlighted the proposal in the Annual Report to postpone the submittal deadline for future reports until January 15th to allow more time to compile and analyze data. Mr. Johnson recommended further deferring the submittal deadline to February 15th. Mr. Williams reported that some of his other clients also do not submit such reports until February. Mr. Jaques will make these revisions to the Annual Report.

9. Offer by Pasadera to Discuss Possible Use of Storm Water Runoff from Pasadera as a Water Source for Helping to Recharge the Seaside Basin

Following brief discussion on this topic the TAC decided to defer discussion on this topic until early in 2011. Mr. Johnson said he would like his stormwater staff to look at this material and provide input to him on it. It will likely be rescheduled to the January 2011 TAC meeting.

10. Schedule

Mr. Jaques briefly discussed the 2010 and 2011 Schedules, and there were no questions on those items.

11. Other Business

There was no other business.

12. Set next meeting date

The next regular meeting was set for Wednesday, November 10, 2010 at 1:30 p.m. at the MRWPCA Board Room

The meeting adjourned at 3:35 p.m.

**SEASIDE BASIN WATER MASTER
TECHNICAL ADVISORY COMMITTEE**

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

MEETING DATE:	January 12, 2011
AGENDA ITEM:	1.A
AGENDA TITLE:	Receive Meeting Notes from November 10, 2010 Informal Gathering of TAC Members
PREPARED BY:	Robert Jaques, Technical Program Manager

SUMMARY:

At the TAC meeting scheduled for November 10, 2010 a quorum was not present, so no meeting could be held. Those TAC members that were present met informally, and the attached Meeting Notes from that gathering were emailed to all TAC members. Proposed changes have been included in the attached version.

ATTACHMENTS:	Meeting Notes from this informal gathering of TAC members
RECOMMENDED ACTION:	Receive the Meeting Notes

MEETING NOTES

Seaside Groundwater Basin Watermaster Informal Gathering of Technical Advisory Committee Members November 10, 2010

Attendees: TAC Members

City of Seaside – No Representative
California American Water – Eric Sabolsice
City of Monterey – No Representative
Laguna Seca Property Owners – No Representative
MPWMD – Joe Oliver
Public Member – No Representative
MCWRA – Howard Franklin
City of Del Rey Oaks – Dan Dawson
City of Sand City – Richard Simonitch
Coastal Subarea Landowners – No Representative

Watermaster

Technical Program Manager - Robert Jaques

Consultants

None

Others:

MPWMD – Jonathan Lear
MCWRA – Amy Gagne

It was concluded by the TAC members that were present for the meeting that the lack of a quorum would preclude having a formal TAC meeting. Mr. Riedl became ill this morning and Mr. Green had received a work assignment that prevented their attending the meeting.

Instead of a meeting, informal discussion of the agenda items occurred, as described below:

1. Administrative Matters:

A. Approve Minutes from October 13, 2010 Meeting

Discussion of this item was not held and will be deferred to the next TAC meeting.

B. Alternate TAC Member Named for Sand City

Mr. Simonitch, who was named by Sand City as its Alternate to the TAC, introduced himself and was welcomed by the other TAC members.

2. Report on Board Action Regarding Revising Definition of Quorum for TAC Meetings and Voting Requirements for Taking Action at TAC Meetings

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

Mr. Dawson said he felt that having less than a quorum of 6 present would render the TAC unable to take action or vote on issues. However, even with less than a quorum present it would still constitute a "meeting" that would be subject to the Brown Act. He described a recent Del Rey Oaks City Council meeting where a similar situation had arisen.

Mr. Sabolsice said that he would make an effort to have meetings be time-efficient in recognition of the fact that the time of all TAC meeting attendees is valuable. He will also discuss the Board's decisions on this topic at their November meeting with Mr. Anthony of CAW.

3. Progress Report on Implementing Database Enhancements

Mr. Oliver gave a brief oral report on this item. He said pilot-testing is currently in progress, and he hopes to be able to do a live demonstration with a computer accessing the Database via the Internet at the January, 2011 TAC meeting.

Mr. Simonitch asked Mr. Oliver if any GIS capability would be included. Mr. Oliver responded that some limited ability is presently available by clicking on wells on the map to pull up well data.

Mr. Oliver noted that current users have "User Access Passwords". Any new TAC members who wish access can be provided with their own passwords by contacting Mr. Jaques.

The on-line Database at the Watermaster's web site does not incorporate the enhancements yet, pending completion of pilot testing and approval by the TAC.

Mr. Sabolsice asked Mr. Oliver if the project was on budget, and Mr. Oliver responded that it was.

4. Draft Request for Service to Perform Another Wellhead Elevation Survey in 2011 to Determine Whether or Not Subsidence is Occurring

Mr. Jaques summarized the agenda packet materials on this item. He also suggested that perhaps a map should be prepared that would visually depict the amount of elevation changes that are found from the resurveying of the wells. Mr. Simonitch suggested this could be done with colored circles or varying sizes of circular symbols, as a means of depicting us.

Mr. Oliver said that MPWMD assisted Central Coast Surveyors with access, and locations of the wells, when they performed the work in 2008, and that he anticipated MPWMD would need to provide assistance to Central Coast Surveyors again this time. He felt it might be on the order of 40 hours of time for this assistance. Mr. Sabolsice said that CAW will provide assistance on its own well sites to the surveyors.

Mr. Franklin said it was important to ensure that the same reference points are used this time. Also, U.S.G.S. is doing a LIDAR survey at this time, and that this might be useful in the future to detect elevation changes. He noted that the new U.S.G.S. work is being done to sub-one meter elevation accuracy. Mr. Sabolsice asked Mr. Franklin if the LIDAR data could be used instead of performing another field survey. Mr. Franklin responded no, because at this time the LIDAR data is not nearly as accurate as the previously developed survey data. Mr. Sabolsice said he hoped the U.S. G. S. LIDAR data could be used in the future to look for subsidence, rather than having to perform further field surveys.

Mr. Franklin asked if the geology of the area made prone it to subsidence. Mr. Oliver and Mr. Simonitch responded that the geology did not make it prone to subsidence, but that there was no data upon which to make a firm conclusion that subsidence was not occurring, and that this is why the 2008 survey, and the proposed 2011 survey, were recommended.

Mr. Jaques suggested including in the RFS a second component to do the mapping, if the TAC approves doing mapping after first seeing the results of the field survey work.

Mr. Dawson noted that since this time the scope of work will include only getting the elevation data, not the horizontal data, the work should be less costly than in the past.

There was a consensus not to come back to the TAC again before proceeding with this work, once sufficient information has been received from Central Coast Surveyors to finalize the RFS. Rather, the

RFS would go directly to the Board for approval, unless significant unanticipated cost or scope issues arise.

5. Schedule

Mr. Jaques and Mr. Oliver briefly described the decision by the Board to file a request to the Court to extend the deadline to submit the 2010 annual report to December 31, 2010.

6. Set Next Meeting Date and Consider Not Meeting in December

There was consensus to have no December TAC meeting. Mr. Jaques will send out the cancellation notice, and the next meeting will be held in January, 2011.

7. Other Business

There was no Other Business.

This informal gathering of TAC members ended at approximately 2:40 p.m.

**SEASIDE BASIN WATER MASTER
TECHNICAL ADVISORY COMMITTEE**

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

MEETING DATE:

January 12, 2011

AGENDA ITEM:

1.C

AGENDA TITLE:

TAC Members Named for Laguna Seca Subarea Property Owners

PREPARED BY:

Robert Jaques, Technical Program Manager

SUMMARY:

In response to the shortage of members sometimes attending TAC meetings, the Laguna Seca Subarea Property Owners have notified me that they are committed to having a representative at the monthly TAC meetings. It will most often be Bob Costa, or his alternate Gary Cursio.

ATTACHMENTS:

None

**RECOMMENDED
ACTION:**

None – information only

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

MEETING DATE:	January 12, 2011
AGENDA ITEM:	2
AGENDA TITLE:	Live Demonstration of Database Enhancements
PREPARED BY:	Robert Jaques, Technical Program Manager

SUMMARY:

[Note: This agenda item is being repeated from the November 10 TAC meeting at which a quorum was not present, and thus the item was not considered.]

Under its contract with the Watermaster, MPWMD has been implementing the enhancements to the Watermaster's Database that were approved by the TAC and the Board earlier this year.

Joe Oliver of MPWMD has provided a brief description of the flow of the Database development documentation for the current effort. The development of the changes to the Database structure is iterative and has been captured through the series of documents described below. This is similar to the prior two sets of changes made to the Database (i.e., website deployment, user access level revisions). This work is scheduled to be completed in the next several weeks.

Project Charter – This document lays out the project

Business Requirements Specification – This document describes the functional requirements for the changes.

Software Requirements Specification – This document provides logical details and screen shots showing which changes are to be made.

Design Specification – This document describes the final template for the programming changes.

Recognizing that the level of detail in these documents may not be of interest to all TAC members, in order to reduce the size of the agenda packet for today's meeting these documents have been provided as separate attachments to the email that conveyed the Meeting Notice and Agenda for today's meeting.

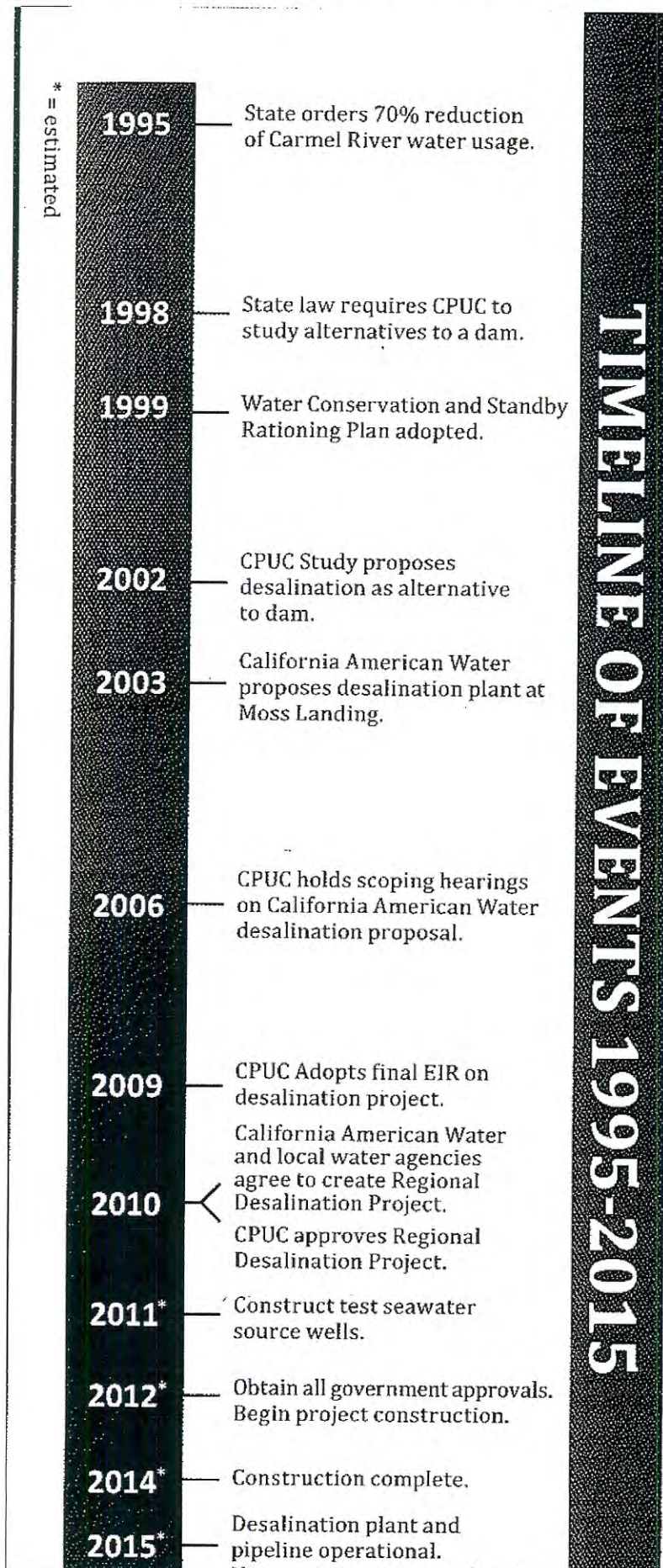
Mr. Oliver of MPWMD will provide a live on-line demonstration of these enhancements at today's meeting, so TAC members can see the Database in use and ask questions.

ATTACHMENTS:	Each of the four documents listed above were separate attachment to the email that conveyed this Agenda packet
RECOMMENDED ACTION:	Ask questions of Mr. Oliver with regard to any of the Database enhancement work

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

MEETING DATE:	January 12, 2011
AGENDA ITEM:	3
AGENDA TITLE:	Discuss Timing of Proceeding with Modeling Scenario 2, Updating the Basin Management Action Plan (BMAP), and Refining the Protective Water Levels (PWLs)
PREPARED BY:	Robert Jaques, Technical Program Manager
SUMMARY:	<p>The TAC and Board agreed that it would be appropriate to defer starting work on Groundwater Modeling of Scenario 2, which pertains to the impacts on the Seaside Basin of implementing the Regional Water Supply Project, until the scope of that project could be better defined, and the quantities of water it will supply and how they will impact the Seaside Basin can be better understood.</p> <p>That Project was approved by the PUC Board in December 2010. That approval was one of the milestones identified before which it would be appropriate to reexamine an appropriate time frame to undertake the Scenario 2 modeling work.</p> <p>Mr. Sabolsice has provided the attached recently updated History and Schedule for the Project, and will discuss the milestone dates with the TAC. He and Mr. Johnson will provide oral reports on the current status of issues pertaining to the Regional Water Supply Project.</p> <p>Related to the status of the Regional Water Supply Project were the tasks of updating the BMAP and refining the PWLs, both of which have been deferred while waiting for the Regional Water Supply Project issues to be better defined.</p> <p>With the updated information to be provided by Mr. Sabolsice and Mr. Johnson at today's meeting, the TAC can decide whether to continue deferring the Scenario 2 modeling work, or when to schedule it to occur.</p>
ATTACHMENTS:	Regional Water Supply Project History and Schedule
RECOMMENDED ACTION:	Provide Direction Regarding the Scheduling of Work to Perform the Scenario 2 Modeling Work, Updating the BMAP, and Refining the PWLs

Regional Water Supply Project History and Schedule



**SEASIDE BASIN WATER MASTER
TECHNICAL ADVISORY COMMITTEE**

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

MEETING DATE:	January 12, 2011
AGENDA ITEM:	4
AGENDA TITLE:	Schedule
PREPARED BY:	Robert Jaques, Technical Program Manager
SUMMARY:	<p>As a regular part of each monthly TAC meeting, I will provide the TAC with an updated Consultants Work Schedule of the activities being performed by the Watermaster's consultants and the public entity, MPWMD, which is performing certain portions of the work, and of the Critical Program Milestones Schedule.</p> <p>Attached is the Consultants Work Schedule for FY 2011.</p>
ATTACHMENTS:	Schedule of Work Activities for FY 2011
RECOMMENDED ACTION:	Provide Input to Technical Program Manager Regarding Any Corrections or Additions to these Schedules

Seaside Basin Watermaster Monitoring and Management Program 2011 Work Schedule

ID	Task Name	2011																						
		Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb					
1	CRITICAL PROJECT MILESTONES ASSOCIATED WITH TAC, BOARD, AND/OR CONSULTANT WORK																							
2	2011 Administration, Operations and Replenishment Budgets																							
3	Prepare M&MP Draft Budgets (Same as Task 19)																							
4	TAC Approves M&MP Budgets (Same as Task 20)																							
5	Board Approves M&MP Budgets (Same as Task 21)																							
6	Watermaster Prepares Quarterly Water Production, Water Level, and Water Quality Reports																							
7	Watermaster Prepares Combined Quarterly Water Production, Water Level, and Water Quality Reports for 1st & 2nd Quarters (Same as Task 41)																							
8	Watermaster Prepares Quarterly Water Production, Water Level, and Water Quality Report for 3rd Quarter (Same as Task 42)																							
9	Watermaster Prepares Quarterly Water Production, Water Level, and Water Quality Report for 4th Quarter (Same as Task 43)																							
10	Replenishment Assessment Unit Costs for Water Year 2012																							
11	B&F Committee Develops Replenishment Assessment Unit Cost for 2012 Water Year																							
12	If Requested, TAC Provides Assistance to B&F Committee in Development of 2012 Water Year Replenishment Assessment Unit Cost																							
13	Board Adopts and Declares 2012 Water Year Replenishment Assessment Unit Cost																							

Seaside Basin Watermaster Monitoring and Management Program 2011 Work Schedule

ID	Task Name	2011																		
		Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	
14	Replenishment Assessments for Water Year 2011																			
15	Watermaster Prepares Replenishment Assessments for Water Year 2011																			
16	Watermaster Board Approves Replenishment Assessments for Water Year 2011																			
17	Watermaster Levies Replenishment Assessment for 2011																			
18	Monitoring & Management Program (M&MP) Budgets for 2012 & 2013																			
19	Prepare Draft 2012 and 2013 M&MP O&M and Capital Budgets																			
20	TAC approves Draft 2012 and 2013 M&MP O&M and Capital Budgets																			
21	Board approves 2012 and 2013 M&MP O&M and Capital Budgets																			
22	2011 Annual Report (Note: Schedule May be Relaxed if Court Approves Later Submittal Date for Annual Report)																			
23	Prepare Preliminary Draft 2011 Annual Report																			
24	TAC Provides Input on Draft 2011 Annual Report																			
25	Prepare Revised Draft 2011 Annual Report (Incorporating TAC Input)																			
26	Board Provides Input on Revised Draft 2011 Annual Report																			
27	Prepare Final 2011 Annual Report (Incorporating Board Input)																			
28	Watermaster Submits Final 2011 Annual Report to Judge																			

Seaside Basin Watermaster Monitoring and Management Program 2011 Work Schedule

ID	Task Name	2011																				
		Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	F			
29	MANAGEMENT																					
30	M.1 PROGRAM ADMINISTRATION (All Work Performed by Watermaster Staff)																					
31	Prepare Initial Consultant Contracts for 2012																					
32	TAC Approval of Initial Consultant Contracts for 2012																					
33	Board Approval of Initial Consultant Contracts for 2012																					
34	IMPLEMENTATION																					
35	I.2.a DATABASE MANAGEMENT																					
36	I.2.a.1 Conduct Ongoing Data Entry/Database Maintenance																					
37	I.2.b DATA COLLECTION PROGRAM																					
38	I.2.b.2 Collect Monthly Water Levels (MPWMD)																					
39	I.2.b.3 Collect Quarterly Water Quality Samples (MPWMD)																					
40	I.2.b.6 Reports (from MPWMD)																					
41	Watermaster Prepares Combined Quarterly Water Production, Water Level, and Water Quality Reports for 1st & 2nd Quarters																					
42	Watermaster Prepares Quarterly Water Production, Water Level, and Water Quality Report for 3rd Quarter																					
43	Watermaster Prepares Quarterly Water Production, Water Level, and Water Quality Report for 4th Quarter																					

Seaside Basin Watermaster Monitoring and Management Program 2011 Work Schedule

ID	Task Name	2011																		
		Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	
44	New Task: Resurvey Wellheads and Prepare Subsidence Evaluation																			
45	TAC Provides Direction Regarding Performing a Re-Survey of Wellheads and Preparing a Subsidence Evaluation		Completed																	
46	Technical Program Manager Negotiates Scopes of Work and Costs with Central Coast Surveyors and MPWMD to Perform Re-Survey of Wellheads																			
47	Board Approves Contracts with Central Coast Surveyors and MPWMD to Perform Re-Survey of Wellheads																			
48	Perform Re-Survey of Wellheads																			
49	Prepare Subsidence Evaluation																			
50	TAC Reviews and Provides Input on Subsidence Evaluation																			
51	Board Reviews and Provides Input on Subsidence Evaluation																			
52	I.3.a ENHANCED SEASIDE BASIN GROUNDWATER MODEL																			
53	I.3.a.2 Develop Protective Water Levels																			
54	TAC Continues Discussion Regarding Refining Protective Water Levels																			
55	Board Approves Contract with HydroMetrics to Refine Protective Water Levels (Board Deferred Performing this Work to an Unspecified Future Date)																			
56	HydroMetrics Refines Protective Water Levels																			
57	HydroMetrics Makes Summary Report to TAC on Refinement of Protective Water Levels																			

Seaside Basin Watermaster Monitoring and Management Program 2011 Work Schedule

ID	Task Name	2011																		
		Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	
58	HydroMetrics Makes Summary Report to Board on Protective Water Levels																			
59	I.3.a.3 Evaluate Replenishment Scenarios and Develop Answers to Basin Management Questions																			
60	TAC Continues Discussion of Issues and Timing Pertaining to Scenario 2 - Regional Water Supply Project Scenario																			
61	Board Approves HydroMetrics Contract to Model Scenario 2																			
62	HydroMetrics Evaluates Scenario 2 - Regional Water Supply Project																			
63	HydroMetrics Makes Summary Report to TAC Regarding Evaluation of Scenario 2																			
64	HydroMetrics Makes Summary Report to Board Regarding Evaluation of Scenario 2																			
65	I.3.c Refine and/or Update the BMAP																			
66	TAC Continues Discussion Regarding Updating the BMAP																			
67	Prepare Contract with HydroMetrics for Updating the BMAP																			
68	TAC Approves Contract with HydroMetrics for Updating the BMAP																			
69	Board Approves Contract with HydroMetrics for Updating the BMAP																			
70	HydroMetrics Updates the BMAP																			
71	HydroMetrics Makes Presentation on Draft Updated BMAP to TAC																			

Seaside Basin Watermaster Monitoring and Management Program 2011 Work Schedule

ID	Task Name	2011																				
		Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb			
72	HydroMetrics Makes Presentation of Final Updated BMAP to Board and Board Adopts Final Updated BMAP																					
73	I.3.d Evaluate Coastal Wells for Cross-Aquifer Contamination Potential																					
74	TAC Approves Scope of Work for MPWMD to Perform Further Evaluations of these Wells		Completed																			
75	Board Approves Well Evaluation Work to be Done in 2011		Completed																			
76	MPWMD Performs Further Evaluations of these Wells																					
77	MPWMD Makes Presentation of Well Evaluations to TAC																					
78	MPWMD Makes Final Presentation of Well Evaluations to TAC & TAC Determines if Further Work Should be Done in 2011																					
79	If Further Work is Recommended for 2011 Board Approves Contract with MPWMD to Perform this Work																					
80	I.4.a HydroMetrics & MPWMD Provide Oversight of Seawater Intrusion Detection and Tracking																					
81	I.4.b HydroMetrics Analyzes and Maps Water Quality from Coastal Monitoring Wells																					
82	I.4.c Annual Seawater Intrusion Analysis Report (SIAR)																					
83	HydroMetrics Provides Draft SIAR to Watermaster																					
84	TAC Approves Annual Seawater Intrusion Analysis Report (SIAR)																					
85	Board Approves Annual Seawater Intrusion Analysis Report (SIAR)																					

TIMING TBD AT JANUARY 12, 2011 TAC MEETING...

Seaside Basin Watermaster Monitoring and Management Program 2011 Work Schedule

ID	Task Name	2011																					
		Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb				
86	I.4.d Complete Preparation of Seawater Intrusion Response Plan (SIRP)																						
87	I.4.e Refine and/or Update the SIRP																						

WORK COMPLETED - NO FURTHER WORK PLANNED IN 2011
NOT NECESSARY

**SEASIDE BASIN WATER MASTER
TECHNICAL ADVISORY COMMITTEE**

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

MEETING DATE:	January 12, 2011
AGENDA ITEM:	5
AGENDA TITLE:	Other Business
PREPARED BY:	Robert Jaques, Technical Program Manager
SUMMARY:	<p>The "Other Business" agenda item is intended to provide an opportunity for TAC members or others present at the meeting to discuss items not on the agenda that may be of interest to the TAC.</p>
ATTACHMENTS:	None
RECOMMENDED ACTION:	None required – information only