

**SEASIDE GROUNDWATER BASIN WATERMASTER
NOTICE
BUDGET AND FINANCE COMMITTEE
MEETING, SEPTEMBER 20, 2011
1:00 P.M. - SEASIDE CITY HALL
CONFERENCE ROOM**

AGENDA

Committee Members

City of Seaside

Ray Corpuz - Chair

California American Water

Craig Anthony

City of Sand City

Steve Matarazzo

Coastal Subarea Landowners

Director Paul Bruno

The next Watermaster Budget / Finance Committee meeting will be held on Tuesday, September 20, 2011 at 1:00PM at the Seaside City Hall Conference Room.

The public may comment on any item within the committee's jurisdiction. Please limit comments to three minutes in length.

Action Item:

1. Discuss/Consider Recommendation to the Watermaster Board of the Proposed Unit Cost for Water Year 2011/12 Over Production Replenishment Assessment Amount
2. Discuss/Consider Recommendation to the Watermaster Board of the Proposed Fiscal Year 2012 Annual Budgets.

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
BUDGET AND FINANCE COMMITTEE**

TO: Committee Members

FROM: Dewey D Evans, CEO

DATE: September 20, 2011

SUBJECT: Unit Cost for Water Year 2011/12 Over Production Replenishment Assessment Amount

RECOMMENDATION:

For the last two years the unit cost for over production replenishment assessment has remained at \$2,780 per acre foot. Due to the lack of more supportable data the recommendation is to continue using the same \$2,780 for the Water Year 2011/2012.

**Seaside Groundwater Basin Watermaster
Administrative Fund
Proposed Budget
Administrative Years 2012 & 2013**

	<u>2011 Adopted Budget</u>	<u>2011 Estimated Expenses</u>	<u>2012 Proposed Budget</u>	<u>2013 Proposed Budget</u>
Assessment Income				
Dedicated Reserve	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000
FY Rollover	60,000	66,125	60,000	*
Administrative Fund	45,000	38,520	*	60,000
	<hr/>	<hr/>	<hr/>	<hr/>
Totals	130,000	129,645	85,000	85,000
Proposed Budget				
Contractual Services - Administrativ	80,000	44,645	60,000	60,000
Contractual Services - Legal Adviso	25,000	-	-	-
	<hr/>	<hr/>	<hr/>	<hr/>
Total Expenses	105,000	44,645	60,000	60,000
Total Available	25,000	85,000	25,000	25,000
Less Dedicated Reserve	25,000	25,000	25,000	25,000
	<hr/>	<hr/>	<hr/>	<hr/>
Net Available	\$ -	\$ 60,000	\$ -	\$ -
	<hr/> <hr/>	<hr/> <hr/>	<hr/> <hr/>	<hr/> <hr/>

Seaside Groundwater Basin Management and Monitoring Program FY 2012 Work Plan

The tasks outlined below are those that are anticipated to be performed during 2012. Some Tasks listed below are specific to 2012, while others Tasks recur throughout the program, such as data collection and 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 Preparation for and Attendance at Meetings (\$5,150)	<p>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 and M.1.d will be:</p> <ul style="list-style-type: none"> • Those associated with attendance at TAC meetings (either in person or by teleconference connection), including providing written monthly 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. and • 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. <p>Appropriate Consultant representatives will attend TAC meetings when requested to do so by Watermaster Staff (either in person or by teleconference connection), 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.</p>
M. 1. e. Peer Review of Documents and Reports (\$3,100)	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.

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
(\$12,300)**

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. Another Consultant will periodically post database information to the Watermaster's website, so it will be accessible to the public and other interested parties. The database programming was enhanced in 2010 and in 2011 at the direction of the Watermaster to improve the usefulness and "user friendliness" of the database. No further enhancements are anticipated during 2012.

**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. No additional work of this type is anticipated during 2012.

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 2012.

**I. 2. b. 2.
Collect Monthly Manual
Water Levels. (\$3,450)**

Each of the monitoring wells will be visited on a monthly basis. Water levels will be determined by either taking manual water levels using an electric sounder, or by dataloggers.

**I. 2. b. 3.
Collect Quarterly Water
Quality Samples.
(\$55,520)**

Water quality data will be collected quarterly from certain of the monitoring wells. In 2012 water quality analyses will be 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 will be 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). A determination as to whether or not to continue monitoring these additional parameters in subsequent years will be made at the end of Water Year 2012.

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 selected to perform this work will make this judgment based on consideration of costs and other factors.

This Task includes \$3,500 to continue retrofitting the wells that are sampled on an annual basis to use the new low-flow purge approach for getting water quality samples. The wells that are sampled quarterly have previously been retrofitted, but only a portion of the wells that are sampled annually have been retrofitted. The dedicated devices sit in the water column and may periodically need to be replaced or repaired. The \$3,500 amount includes costs to perform ongoing maintenance and/or replacement of the sample pumping equipment,

<p>I. 2. b. 4. Update Program Schedule and Standard Operating Procedures. (\$0)</p>	<p>The TAC, with assistance from Consultants, has conducted periodic reviews of the data collection program. Only a few small improvements have been recommended in recent years, and these recommendations have been implemented. No additional work of this type is anticipated in 2012.</p>
<p>I. 2. b. 5. Monitor Well Construction (\$0)</p>	<p>An additional monitoring well was installed in 2009. No further work of this type is anticipated in 2012.</p>
<p>I. 2. b.6 Reports (\$6,900)</p>	<p>The groundwater level and quality monitoring will be conducted on a monthly, quarterly, and annual basis, as described in the Consultant's Scope of Work. Reports summarizing data collected and analyzed will be submitted to the Watermaster on a schedule to be established during the year. Reports will include:</p> <ul style="list-style-type: none"> • Water Quality and Water Level Quarterly Reports. Q1 and Q2 data will be consolidated into one report which will be provided shortly after the end of Q2. Q3 and Q4 data will be included in the Annual Report. <p>An Annual Water Quality and Water Level Report</p>
<p><i>I. 3 Basin Management</i></p>	
<p>I. 3. a. Enhanced Seaside Basin Groundwater Model (Costs listed in subtasks below)</p>	<p>As a result of the data obtained during Phase 1, including constructing new coastal sentinel monitoring wells and developing a consolidated database of groundwater production, water levels, and water quality, it was concluded that at that time it was not necessary to develop a new Model. Preliminary conclusions from work performed in preparing the Basin Management Action Plan in 2008, along with comments and questions from Technical Advisory Committee and Board members, indicated that it was desirable to update the existing Model during 2009, so that it could be used as more data becomes available.</p>
<p>I.3.a.1 Update the Existing Model (\$0)</p>	<p>The existing 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 (Tasks I.3.a.2 and I.3.a.3). This work was done by a Consultant hired by the Watermaster. No further work of this type is anticipated in 2012.</p>
<p>I. 3. a. 2 Develop Protective Water Levels (\$25,000)</p>	<p>A series of cross-sectional models was created in order to develop protective water levels for selected production wells, as well as for the Basin as a whole. This work was done in 2009 by a Consultant hired by the Watermaster (HydroMetrics), and is discussed in HydroMetrics' "Seaside Groundwater Basin Protective Water Elevations Technical Memorandum." In 2010 and 2011 further work was scheduled and budgeted to be done to refine these protective water levels to find the most cost-effective approach to provide the desired degree of protection. However, not all of the information needed to perform the refinements was available in those years, so this Task has been rescheduled to occur in 2012.</p>
<p>I. 3. a. 3 Evaluate Replenishment Scenarios and Develop Answers to Basin Management Questions (\$25,000)</p>	<p>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 was done in 2009 by a Consultant hired by the Watermaster (HydroMetrics), and is described in HydroMetrics' "Seaside Groundwater Basin Groundwater Model Report." In 2010 HydroMetrics used the updated Model to develop answers to some questions associated with Basin management. In 2012 if requested by the Watermaster additional work may be performed to answer additional questions.</p>

I. 3. b. Complete Preparation of Basin Management Action Plan (\$0)	<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:</p> <ul style="list-style-type: none"> • 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>The only work which is anticipated to be performed on the BMAP in 2012 is discussed under Task I. 3. c.</p>
I. 3. c. Refine and/or Update the Basin Management Action Plan (\$25,000)	<p>During 2012 it may be beneficial to update the BMAP based on new data, and/or knowledge that is gained from the work described under Tasks I. 3. a. 2 and/or I. 3. a. 3. Such work might involve issues pertaining to Basin storage capacity, water storage rights, or pumping redistribution strategies. This work was originally scheduled and budgeted for 2010 and again in 2011, but not all of the information needed to update the BMAP was available, so the updating has been rescheduled to occur in 2012. This task is included primarily for budgeting purposes in the event such work is deemed necessary.</p>
I. 3. d. Evaluate Coastal Wells for Cross-Aquifer Contamination Potential (\$5,000)	<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. In 2010 a preliminary review of the well construction records for each of the coastal wells was made. As a result of that review it was deemed desirable to further evaluate certain higher-risk wells in 2011 to determine whether or not they were properly constructed so as to prevent such cross-aquifer contamination from occurring. As part of this further evaluation, records will also be reviewed to determine whether there is any indication of well seal deterioration that would lead to the potential for cross-aquifer contamination. A report summarizing the findings of this further evaluation will be prepared, with recommendations for any further followup work that should be done. This work was delayed in starting in 2011 due to the Consultant's (MPWMD's) workload, and could not be completed in time to include in this M&MP any recommendations regarding further work to be performed in 2012. The evaluation is scheduled to be completed in December, 2011. Consequently, a "placeholder" amount of \$5,000 has been included in the 2012 M&MP Budget to provide funding for such work, if it is approved by the Watermaster Board following receipt of the report summarizing the findings of the evaluation conducted in 2011.</p>
<i>I. 4 Seawater Intrusion Response Plan (formerly referred to as the Seawater Intrusion Contingency Plan)</i>	
I. 4. a. Oversight of Seawater Intrusion Detection and Tracking (\$5,750)	<p>A Consultant will provide general oversight over the Seawater Intrusion detection program.</p>
I. 4. b. Analyze and Map Water Quality from Coastal Monitoring Wells (costs included above under Task I. 4. a)	<p>Annual chloride concentration maps will be produced incorporating the data from the coastal wells. Data from the Phase 1 coastal sentinel wells will be used to develop time series graphs.</p>

<p>I. 4. c. Annual Report- Seawater Intrusion Analysis (\$25,750)</p>	<p>At the end of each water year, a Consultant will reanalyze all water quality data. 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.</p>
<p>I. 4. d Complete Preparation of Seawater Intrusion Response Plan (\$0)</p>	<p>The Watermaster's Consultant (HydroMetrics) completed preparation of the long-term Seawater Intrusion Response Plans (SIRP) in February 2009. The Sections that are included in the SIRP are:</p> <ul style="list-style-type: none"> • Section 1 – Background and Purpose • Section 2 – Consistency with Other Documents • Section 3 – Seawater Intrusion Indicators and Triggers • Section 4 –Seawater Intrusion Contingency Actions • Section 5 - References <p>No further work on the SIRP is anticipated in 2012.</p>
<p>I. 4. e. Refine and/or Update the Seawater Intrusion Response Plan (\$0)</p>	<p>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 2012.</p>
<p>I. 4. f. If Seawater Intrusion is Determined to be Occurring, Implement Contingency Response Plan (\$0)</p>	<p>The SIRP will be implemented if seawater intrusion, as defined in the Plan, is determined by the Watermaster to be occurring.</p>

Management and Monitoring Plan Operations Budget For Tasks to be Undertaken in 2012							Comparative Costs from 2011 Budget	
Task	Subtask	Sub-Subtask	Cost Description	CONSULTANTS & CONTRACTORS ⁽³⁾				Total
				MPWMD	Private Consultants	Contractors		
Labor								
			Technical Project Manager	\$0	\$100,000	\$0	\$100,000	\$100,000
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		Preparation for and Attendance at Meetings ⁽⁸⁾	\$0	\$5,150	\$0	\$5,150	\$5,150
	M.1.e		Peer Review of Documents and Reports ⁽⁸⁾	\$0	\$3,100	\$0	\$3,100	\$3,100
	M.1.f		QA/QC	\$0	\$0	\$0	\$0	\$0
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	\$9,900	\$2,400	\$0	\$12,300	\$13,000
		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⁾	\$3,450	\$0	\$0	\$3,450	\$3,450
		I. 2. b. 3.	Collect Quarterly Water Quality Samples ⁽¹⁾⁽⁵⁾⁽⁶⁾	\$38,300	\$0	\$17,220	\$55,520	\$68,600
		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	\$5,850	\$1,050	\$0	\$6,900	\$6,900
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	\$0
		I. 3. a. 2	Develop Protective Water Levels ⁽¹¹⁾	\$0	\$25,000	\$0	\$25,000	\$25,000
		I. 3. a. 3	Evaluate Replenishment Scenarios and Develop Answers to Basin Management Questions	\$0	\$25,000	\$0	\$25,000	\$25,000
	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 ⁽¹¹⁾	\$0	\$25,000	\$0	\$25,000	\$25,000
	I. 3. d		Evaluate Coastal Wells for Cross-Aquifer Contamination Potential	\$5,000	\$0	\$0	\$5,000	\$10,000
I.4 Seawater Intrusion Contingency Plan								
	I. 4. a.		Oversight of Seawater Intrusion Detection and Tracking	\$3,700	\$2,050	\$0	\$5,750	\$5,750
	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	\$0	\$25,750	\$0	\$25,750	\$25,750
	I. 4. d.		Complete Preparation of Seawater Intrusion Response Plan ⁽²⁾⁽⁸⁾	\$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 2012. If it Does Become Necessary, Use of Contingency Funds or a Budget Modification Will Likely be Necessary)				
TOTALS CONSULTANTS & CONTRACTORS				\$66,200	\$214,500	\$17,220		
SUBTOTAL not including Technical Program Manager =							\$197,920	\$216,700
Contingency (not including Technical Program Manager) @ 20% ⁽⁴⁾ =							\$39,584	\$43,340
Technical Program Manager =							\$100,000	\$100,000
9 TOTAL=							\$337,504	\$360,040

Footnotes:

- (1) An outside contractor would be used to perform the induction logging, and potentially to also collect some water quality samples in conjunction with doing the induction logging. MPWMD is expected to perform portions of the work of this Subtask, and would likely be the party that contracts with the Contractor to perform the induction logging and sample collection work on certain of the wells
- (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, e.g. Tasks I.3.a, I.3.c, and I.3.d, it is recommended that a 20% Contingency be included in the Budget.
- (5) Includes \$3,500 in potential well site retrofitting costs that may be necessary in order to make some of these wells available for use as monitoring wells, as well as to maintain equipment previously installed for this purpose. Also includes \$1,500 to analyze for barium and iodide ions in certain of these wells.
- (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
- (7) No additional monitoring well is expected to be constructed in 2012.
- (8) For HydroMetrics to provide hydrogeologic consulting assistance to the Watermaster, beyond that associated with performing other 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) Does not include funds for Database enhancement, as it is assumed that all desired enhancements had been made in 2010.
- (11) If necessary to reflect knowledge gained from modeling work or other data sources. Provides funds for work originally budgeted for 2010, but which has been rescheduled to 2012.

**SEASIDE GROUNDWATER BASIN WATERMASTER
BUDGET AND FINANCE COMMITTEE**

TO: Committee Members
FROM: Dewey D Evans, CEO
DATE: September 20, 2011
SUBJECT: Management and Monitoring – Capital Budget

Fiscal Year 2012

Management and Monitoring Plan Capital Budget For Tasks to be Undertaken in 2012

No Capital projects are anticipated to be undertaken in 2012, so this budget is \$0.

Fiscal Year 2013

Management and Monitoring Plan Capital Budget For Tasks to be Undertaken in 2013

No Capital projects are anticipated to be undertaken in 2013, so this budget is \$0.

**Seaside Groundwater Basin Watermaster
 Budget vs. Actual Monitoring and Management - Capital Fund
 Fiscal Year (January 1 - December 31, 2012)
 Proposed Budget**

VI.B.
 10/4/2011

	2011 Adopted Budget	Estimated Revenue/ Expenditures	Proposed 2012 Budget
Available Balances and Assessments:			
Monitoring & Management Fund - Capital	\$ -	\$ -	\$ -
FY 2007-2010 Rollover to 2011	5,499	5,499	5,499
Transfer in from Operations Fund	-	-	-
Subtotal	5,499	5,499	5,499
Appropriations & Expenses:			
Professional Services			
Project Management	-	-	-
Subtotal	-	-	-
Direct Costs			
Well Drilling -	-	-	-
Subtotal	-	-	-
Total Appropriations and Expenses	\$ -	\$ -	\$ -
Total Available	\$ -		
Capital Fund Assessments owed by City of Seaside			
FY 2009 (including 5% penalty)	16,538		
Total	\$ 16,538		

Seaside Groundwater Basin Watermaster

VI.B

Replenishment Fund

10/4/2011

Water Year 2012 (October 1 - September 30) / Fiscal Year (January 1 - December 31, 2012)

Proposed Budget

	2006	2007	2008	2009	2010	Estimated 2011	Totals Through WY 2011	Proposed Budget 2011	Projected Totals Through WY 2012
Replenishment Fund									
Assessments:	WY 05/06	WY 06/07	WY 07/08	WY 08/09	WY 09/10	WY 10/11		WY 11/12	
Unit Cost:	\$1,132	\$1,132	\$2,485	\$3,040	\$2,780	\$2,780		\$2,780	
California American Water Balance Forward	\$ -	\$ 1,641,004	\$ 4,206,475	\$ (2,900,435)	\$ (2,868,685)	\$ (3,850,964)		\$ (531,644)	
Exceeding Natural Safe Yield Considering Alternative Producers	2,106,652	2,484,533	5,164,969	3,773,464	4,112,933	3,319,320	\$ 20,961,872	3,319,320	\$ 24,281,192
Operating Yield Overproduction Replenishment	-	80,938	34,045	-	-	-	114,983	-	114,983
Total California American	\$ 2,106,652	\$ 2,565,471	\$ 5,199,014	\$ 3,773,464	\$ 4,112,933	\$ 3,319,320	\$ 21,076,855	\$ 3,319,320	\$ 24,396,175
CAW Credit Against Assessment	(465,648)		(12,305,924)	\$ (3,741,714)	(5,095,213)	-	(21,608,499)	-	(21,608,499)
CAW Unpaid Balance	\$ 1,641,004	\$ 4,206,475	\$ (2,900,435)	\$ (2,868,685)	\$ (3,850,964)	\$ (531,644)	\$ (531,644)	\$ 2,787,676	\$ 2,787,676
City of Seaside Balance Forward	\$ -	\$ 230,671	\$ 413,454	\$ 1,106,116	\$ 1,737,569	\$ 1,179,678		\$ 1,610,856	
City of Seaside Municipal									
Exceeding Natural Safe Yield Considering Alternative Producers	169,200	173,739	385,642	399,211	231,961	369,740	\$ 1,729,493	369,175	\$ 2,098,668
Operating Yield Overproduction Replenishment	50,487	340	16,898	66,090	82,761	61,438	278,013	56,786	334,799
Total Municipal	219,687	174,079	402,540	465,300	314,721	431,178	2,007,506	425,961	2,433,467
City of Seaside - Golf Courses									
Exceeding Natural Safe Yield - Alternative Producer	-	-	131,705	69,701	-	-	201,406	-	201,406
Operating Yield Overproduction Replenishment	-	-	131,705	69,701	-	-	201,406	-	201,406
Total Golf Courses	-	-	263,410	139,402	-	-	402,812	-	402,812
Total City of Seaside*	\$ 219,687	\$ 174,079	\$ 665,950	\$ 604,702	\$ 314,721	\$ 431,178	\$ 2,410,318	\$ 425,961	\$ 2,836,279
City of Seaside Late Payment 5%	10,984	8,704	26,712	26,750	15,737		88,887		88,887
In-lieu Credit Against Assessment	-		-	\$ -	(888,349)	-	(888,349)	-	(888,349)
City of Seaside Unpaid Balance	\$ 230,671	\$ 413,454	\$ 1,106,116	\$ 1,737,569	\$ 1,179,678	\$ 1,610,856	\$ 6,278,343	\$ 2,036,817	\$ 2,036,817
Total Replenishment Fund Balance	\$ 1,871,675	\$ 4,619,929	\$ (1,794,319)	\$ (1,131,116)	\$ (2,671,287)	\$ 1,079,211	\$ 5,746,699	\$ 4,824,492	\$ 4,824,492
Replenishment Fund Balance Forward	-	\$ 1,871,675	\$ 4,619,929	\$ (1,794,319)	\$ (1,131,116)	\$ (2,671,287)		\$ 1,079,211	
Total Replenishment Assessments	2,337,323	2,748,254	5,891,676	4,404,917	4,443,391	3,750,498	23,576,059	3,745,281	27,321,340
Total Replenishment Paid and/or Credited	(465,648)	-	(12,305,924)	(3,741,714)	(5,983,562)	-	(22,496,848)	-	(22,496,848)
MRWPCA GWRP Payment									(100,000)
Grand Total Replenishment Fund Balance	\$ 1,871,675	\$ 4,619,929	\$ (1,794,319)	\$ (1,131,116)	\$ (2,671,287)	\$ 1,079,211	1,079,211	\$ 4,824,492	\$ 4,724,492