

SEASIDE BASIN WATERMASTER
REQUEST FOR SERVICE

DATE: 1/1/2012

RFS NO. 2012-02

(To be filled in by WATERMASTER)

TO: Derrick Williams
HydroMetrics LLC
PROFESSIONAL

FROM: Robert Jaques
WATERMASTER

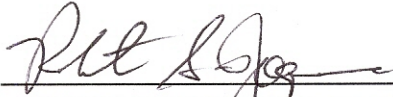
Services Needed and Purpose: Prepare the Seawater Intrusion Analysis Report for 2012. See Scope of Work in Attachment 1.

Completion Date: All work of this RFS shall be completed not later than December 31, 2012, and shall be performed in accordance with the Schedule contained in Attachment 2.

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

Total Price Authorized by this RFS: \$ 22,090.00 (Cost is authorized only when evidenced by signature below.) (See Attachment 3 for Detailed Breakdown of Estimated Costs).

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

Requested by:  Date: 12/5/11
WATERMASTER Technical Program Manager

Authorized by:  Date: 12/2/11
WATERMASTER Chief Executive Officer

Agreed to by: Derrick Williams Date: 12/02/2011
PROFESSIONAL

ATTACHMENT 1

SCOPE OF WORK

The scope consists of providing professional consulting services to WATERMASTER for preparation of the 2012 Seawater Intrusion Analysis Report (SIAR).

To promote efficiency, much of the text and graphics from the 2011 SIAR will be incorporated directly into the 2012 SIAR. Changes that will be incorporated into the 2012 SIAR will include:

- Updating charts, graphs, and maps to reflect the most recent sampling and water level data.
- Analyzing the quarterly electric induction logs (EM logs) from the coastal sentinel wells to look for evidence of seawater intrusion.
- Incorporating data from the new Northern Inland (BLM Site) well which was added to WATERMASTER's enhanced monitoring well network in late 2009.

Preparing the 2012 SIAR will involve analyzing all water quality data at the end of Water Year 2012 (October 1, 2011 to September 30, 2012) and producing semi-annual (2nd and 4th quarters 2012) chloride concentration maps for each aquifer in the Basin. Time series graphs, trilinear graphs, and stiff diagram comparisons will be updated with new data. Second and fourth quarter groundwater elevation maps will also be produced. The annual EM logs will be analyzed to identify changes in seawater wedge locations. A determination of whether there is any evidence of seawater intrusion will be made, and recommendations will be included as warranted.

A Draft 2012 SIAR will be provided to WATERMASTER in electronic (not printed) form for review. WATERMASTER will provide its review comments and those of its TAC members through direct discussions with PROFESSIONAL at a TAC meeting. In addition to these oral comments, some TAC members may also provide recommended editorial changes electronically directly to PROFESSIONAL. These comments will be addressed in a Final 2012 SIAR. A CD containing an electronic version of the entire Final 2012 SIAR in MS Word and up to 15 printed and bound copies of the Final 2012 SIAR (quantity to be determined by WATERMASTER) will be provided to WATERMASTER.

ATTACHMENT 2

HydroMetrics RFS No. 2012-02 Work Schedule

ID	Task Name	2012																		
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
1	I.4.c Annual Seawater Intrusion Analysis Report (SIAR)																			
2	HydroMetrics Provides Draft SIAR to Watermaster																			
3	TAC Approves Annual Seawater Intrusion Analysis Report (SIAR)																			
4	Board Approves Annual Seawater Intrusion Analysis Report (SIAR)																			

◆ 10/31
◆ 11/7
◆ 11/28

ATTACHMENT 3

DETAILED BREAKDOWN OF ESTIMATED COSTS

Note: Regardless of the use of the term "Estimated Cost" in this RFS, if the work of this RFS is to be compensated for using Lump Sum Payment method, it is understood and agreed to by PROFESSIONAL that the Total Price listed on page 1 of this RFS is binding and limiting as defined in Section V of the Agreement.

DETAILED BREAKDOWN OF ESTIMATED COSTS

HOURLY RATES:

Derrick Williams = \$190.00

Georgina King = \$160.00

Task	Hours		Costs			Total Costs
	Derrick Williams	Georgina King	Derrick Williams	Georgina King	Expenses	
2012 Seawater Intrusion Analysis Report						
Produce 2012 SIAR	16	88	\$3,040	\$14,080	\$3,130	\$20,250
Attend One TAC Meeting in Monterey	9	0	\$1,710	\$0	\$130	\$1,840
TOTALS	25	88	\$4,750	\$14,080	\$3,260	\$22,090