

SEASIDE BASIN WATERMASTER
REQUEST FOR SERVICE

DATE: September 4, 2015

RFS NO. 2015-04
(To be filled in by WATERMASTER)

TO: Derrick Williams
HydroMetrics WRI
PROFESSIONAL

FROM: Robert Jaques
WATERMASTER


Services Needed and Purpose: Groundwater Modeling - See Scope of Work in Attachment 1.

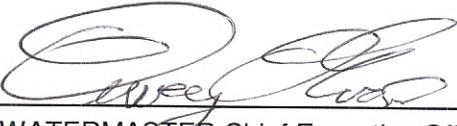
Completion Date: All work of this RFS shall be completed not later than November 1, 2015.


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

Total Price Authorized by this RFS: \$ 5,500.00 (Cost is authorized only when evidenced by signature below.) (See Attachment 1 for Estimated Costs).

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

Requested by:  Date: 8/27/15
WATERMASTER Technical Program Manager

Authorized by:  Date: 9/1/15
WATERMASTER Chief Executive Officer

Agreed to by:  Date: 8/14/2015
PROFESSIONAL

ATTACHMENT 1

Mr. Robert S. Jaques
Seaside Groundwater Basin Watermaster
83 Via Encanto
Monterey, CA 93940

August 12, 2015

Subject: Scope and cost for estimating flow divide locations near the easterly Adjudication Decision boundary of the Laguna Seca subarea

Mr. Jaques:

HydroMetrics WRI is happy to provide this scope and cost for estimating the location of the flow divide near the easterly Adjudication Decision boundary of the Laguna Seca subarea.

Groundwater divide locations may move over time in response to changes in recharge and pumping. Therefore, we will provide the Watermaster with two sets of maps showing the groundwater divide locations during spring and fall conditions (1) in 2013, which is the last calibrated year of the groundwater model, and (2) under baseline conditions in 2018, when California-American Water Company's Laguna Seca pumping will be eliminated in accordance with the Adjudication Decision (HydroMetrics I.L.C., 2009, Table 15). We will use the baseline future pumping conditions scenario from the previous modeling work to prepare the 2018 projected flow divide locations. We anticipate that these four maps will provide an indication of whether the flow divide is moving or whether it is relatively stable.

The maps will be accompanied by a short letter memorandum. The letter will explain our methodology and outline the results. If the divide appears to move over time the memorandum will give a short explanation of likely reasons for the movement. We have also budgeted for attending one TAC meeting and one Board of Directors meeting via conference call to review our results and answer questions.

The cost for producing 4 maps, drafting a letter memorandum, and attending meetings is \$5,500. The cost details are included in the table below

Table 1: Cost Estimate for LSSA Groundwater Divide Mapping

**Cost Estimate for Seaside Groundwater Basin Watermaster
Laguna Seca Subarea Flow Divide Mapping**

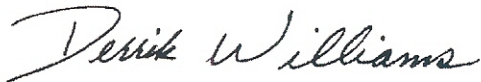
Tasks	HydroMetrics WRI Labor					Other Direct Costs	TOTALS
	Derrick Williams	Georgina King	Stephen Hundt	Labor Total			
	President	Senior Hydrogeologist	Staff Hydrogeologist	Hours	(\$)		
Rates	\$215	\$185	\$125	Hours	(\$)	(\$)	(\$)
Extract and Produce 4 Maps	2	4	8	14	\$ 2,170		\$ 2,170
Draft Letter Memorandum	0	2	6	8	\$ 1,120		\$ 1,120
Project Management and Meeting	2	8	0	10	\$ 1,910	300	\$ 2,210
TOTAL				\$ 32	\$ 5,200	300	\$ 5,500

Notes

Other Direct Costs includes mileage, postage, office supplies

Please call us if you have any questions.

Sincerely,



Derrick Williams
President, HydroMetrics Water Resources Inc.

REFERENCES

HydroMetrics LLC. 2009. *Seaside groundwater basin modeling and protective groundwater elevations*, prepared for Seaside Basin Watermaster, 151 pp.