

SEASIDE BASIN WATERMASTER  
REQUEST FOR SERVICE

DATE: 1/1/2017

RFS NO. 2017-02

(To be filled in by WATERMASTER)

TO: Derrick Williams  
HydroMetrics WRI  
PROFESSIONAL

FROM: Robert Jaques  
WATERMASTER

**Services Needed and Purpose:** Prepare the Seawater Intrusion Analysis Report for 2017. See Scope of Work in Attachment 1.

**Completion Date:** All work of this RFS shall be completed not later than December 31, 2017, 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: \$ 20,890.00 (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:   
WATERMASTER Technical Program Manager

Date: 12/10/16

Agreed to by:   
PROFESSIONAL

Date: 12-09-2016

# **ATTACHMENT 1**

## **SCOPE OF WORK**

The scope consists of providing professional consulting services to WATERMASTER for preparation of the 2017 Seawater Intrusion Analysis Report (SIAR).

To promote efficiency, much of the text and graphics from the 2016 SIAR will be incorporated directly into the 2017 SIAR.

Preparing the 2017 SIAR will involve analyzing all water quality data at the end of Water Year 2017 (October 1, 2016 to September 30, 2017) and producing semi-annual (2<sup>nd</sup> and 4<sup>th</sup> quarters 2017) 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 2017 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 2017 SIAR. A CD containing an electronic version of the entire Final 2017 SIAR in MS Word and up to 15 printed and bound copies of the Final 2017 SIAR (quantity to be determined by WATERMASTER) will be provided to WATERMASTER.

**ATTACHMENT 2**

**HydroMetrics RFS No. 2017-02  
Work Schedule**

| ID | Task Name   | 2017 |     |     |     |     |     |     |     |     |     |         |     |     |     |     |     |     |     |  |  |  |
|----|---|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|-----|-----|-----|-----|-----|-----|-----|--|--|--|
|    |   | Jan  | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov     | Dec | Jan | Feb | Mar | Apr | May | Jun |  |  |  |
| 1  | <b>I.4.c Annual Seawater Intrusion Analysis Report (SIAR)</b>   |      |     |     |     |     |     |     |     |     |     |         |     |     |     |     |     |     |     |  |  |  |
| 2  | HydroMetrics Provides Draft SIAR to Watermaster                 |      |     |     |     |     |     |     |     |     |     | ◆ 11/8  |     |     |     |     |     |     |     |  |  |  |
| 3  | TAC Approves Annual Seawater Intrusion Analysis Report (SIAR)   |      |     |     |     |     |     |     |     |     |     | ◆ 11/15 |     |     |     |     |     |     |     |  |  |  |
| 4  | Board Approves Annual Seawater Intrusion Analysis Report (SIAR) |      |     |     |     |     |     |     |     |     |     | ◆ 12/6  |     |     |     |     |     |     |     |  |  |  |

**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.

| Task                                    | Hours                           |                              | Costs           |                  |                 |                  |
|---|---------------------------------|------------------------------|-----------------|------------------|-----------------|------------------|
|   | Georgina King<br>(\$195 per hr) | Nick Byler<br>(\$120 per hr) | Georgina King   | Nick Byler       | Expenses        | Total Costs      |
| 2017 Seawater Intrusion Analysis Report |                                 |                              |                 |                  |                 |                  |
| Produce 2017 SIAR                       | 32                              | 100                          | \$ 6,240        | \$ 12,000        | \$ 500          | \$ 18,740        |
| Attend One TAC Meeting in Monterey      | 10                              | 0                            | \$ 1,950        | -                | \$ 200          | \$ 2,150         |
| <b>TOTALS</b>                           | <b>42</b>                       | <b>100</b>                   | <b>\$ 8,190</b> | <b>\$ 12,000</b> | <b>\$ 1,200</b> | <b>\$ 20,890</b> |