

SEASIDE BASIN WATERMASTER  
REQUEST FOR SERVICE

**DATE:** January 1, 2020

**RFS NO.** 2020-01

(To be filled in by WATERMASTER)

**TO:** Martin Feeney  
Martin Feeney  
PROFESSIONAL

**FROM:** Robert Jaques  
WATERMASTER

**Services Needed and Purpose:**


Perform certain Tasks contained within the Watermaster's Monitoring and Management Plan for 2020 (See detailed Scope of Work in Attachment 1).

**Completion Date:** The work of this RFS No. 2020-01 shall be completed in accordance with the schedule described in Attachment 1.

**Method of Compensation:** Time and Expense Payment Method (As defined in Section V of Agreement.)

**Total Price** Authorized by this RFS: \$ 19,250.56 (See Attachment 2 for a Breakdown of this Total Price. Cost is authorized only when evidenced by signature below.)

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

**Authorized by:**  Date: 11/5/19  
WATERMASTER Technical Program Manager

**Agreed to by:**  Date: 10/30/19  
PROFESSIONAL

# ATTACHMENT 1

## **Detailed Scope of Work for RFS No. 2020-01**

### **Background:**

The Watermaster Board approved the Budget for the 2020 Management and Monitoring Program Work Plan (hereinafter referred to as the "2020 M&MP Work Plan") at its meeting of October 2, 2019.

### **Scope of Work**

This RFS No. 2020-01 authorizes PROFESSIONAL to perform the work described in PROFESSIONAL's Proposal for Hydrogeologic Services, dated August 5, 2019 and contained in Attachment 2, with the following clarifications and/or additions:

PROFESSIONAL will collect water level data from the wells identified as SBWM-1, SBWM-2, SBWM-3, and SBWM-4. PROFESSIONAL will also perform induction logging on each of these wells. These wells are commonly referred to as WATERMASTER's Sentinel Wells. Water level data collection and induction logging will be performed on each of these wells as described below and according to the schedule described below:

### **Induction Logging**

Induction logging will be performed on each of the four Sentinel Wells semi-annually in March and September.

### **Water Level**

Water levels in each of the four Sentinel Wells will be continuously measured by data loggers and will be downloaded semi-annually when induction logging is being performed.

PROFESSIONAL will transmit the digital water level data to the Monterey Peninsula Water Management District (MPWMD), Montgomery and Associates, and to the WATERMASTER promptly after the data is acquired, so that (1) MPWMD can use that data in preparing its reports to the WATERMASTER and (2) Montgomery and Associates and the WATERMASTER will be made promptly aware of the data. Digital induction data will also be provided to MPWMD, Montgomery and Associates, and to the WATERMASTER as soon as it becomes available to PROFESSIONAL. Digital induction data will also be reduced and presented graphically and provided to Montgomery and Associates for use by Montgomery and Associates in preparing reports for the WATERMASTER.

**ATTACHMENT 2**

Martin B. Feeney  
Consulting Hydrogeologist

P.G. 4634  
C.E.G. 1454  
C.Hg 145

August 5, 2019

Seaside Basin Watermaster  
PO Box 51502  
Pacific Grove CA.  
93950

Attention: Bob Jaques, PE

Subject: Sentinel Well Data Collection Program 2020 – Proposal for Hydrogeologic Services

Dear Bob:

Following up on our discussions, I'm pleased to provide this proposal to assist the Seaside Basin Watermaster (Watermaster) with data collection from the Sentinel Wells for the upcoming year. Presented in this proposal are an outline of the data collection plan and an estimate of associated costs.

The data collection program for the Sentinel Wells will continue as it has been performed the last half of 2017. The data collection program currently includes semi-annual induction logging and continuous water level data collection. The program previously included depth-specific downhole water quality sampling, however, the data proved unreliable and this portion of the program was terminated. The subcontractor for the induction logging remains unchanged.

The components of this program are as follows:

Data collection from each well:

- Semi-Annual down-loading of water level data logger.
- Semi-Annual induction logging (March and September)
- Transmittal of water level data to Monterey Peninsula Water Management District personnel.
- Processing of induction log data and presentation

The well vaults that protect the Sentinel Wells need some maintenance to continue in service. This could include painting of the vault covers, repairing stripped threads for the bolts that hold down the covers, and general cleaning. Cost of these services are included in this proposal.

It is understood that, as in the past, the Monterey Peninsula Water Management District (District) will share some of the data collection and analysis tasks of the overall data collection program. The District will collect water level data from the array of data loggers on the alternate quarters. Water level data from the data loggers will be collected as part of this scope of services only when induction logging is performed. Collected water level data will be transmitted to the District for compilation and processing. Induction logging data will continue to be compiled and processed by this author.

Annual costs for the data collection program are estimated at \$ 19,250.56 inclusive of outside services. A breakdown of costs is presented in the table below.

<b>SENTINEL WELLS LOGGING/SAMPLING WL DATA COLLECTION PROGRAM</b>						
<b>2020</b>						
	Unit Cost	Number	Semi-Annual Cost	# per annum	Annual Cost	
<b>Pacific Surveys</b>						
Service Charge	1085	1	1085	2	\$	2,170.00
Induction Logging	0.75	5310	3982.5	2	\$	7,965.00
E-file generation/transmittal	115	1	115	2	\$	230.00
mileage	0.99	422	417.78	2	\$	835.56
per diem	175	2	350	2	\$	700.00
					\$	11,900.56
<b>Professional Services (hrs)</b>						
Well Vault Maintainance	175	8	1400	1	\$	1,400.00
Supervise Logging/Download Data Loggers	175	10	1750	2	\$	3,500.00
Process Induction Data	200	4	800	2	\$	1,600.00
Transmit Water Level Data	200	2	400	2	\$	800.00
					\$	7,300.00
<b>Materials</b>						
Paint, helicoils, etc.					\$	50.00
				<b>Total</b>	\$	19,250.56

The opportunity to present this proposal is appreciated. Please call if you have any questions.

Sincerely,



Martin B. Feeney