



United States Department of the Interior

U.S. GEOLOGICAL SURVEY

California Water Science Center

6000 J Street, Placer Hall

Sacramento, CA 95819

Phone: (916) 278-3000 Fax: (916) 278-3070

<http://water.wr.usgs.gov>

September 6, 2018

Mr. Carl P. Holm, AICP
Monterey County Resource Management Agency
1441 Schilling Place, South 2nd Floor
Salinas, California 93901

Dear Mr. Holm:

This letter confirms discussions between our respective staffs, concerning an amendment to the cooperative water resources program between the Monterey County Water Resource Management Agency (MCRMA) and the U.S. Geological Survey (USGS), during the period of January 1, 2016 to October 31, 2021

Enclosed with this letter is the workplan entitled "*Salinas River Groundwater Basin Investigation, Salinas Valley, California. Amended Scope and Fee Schedule for Agreement #16WSCA600466210*"

Total cost for the amendment increases funding by \$50,514. Of this total MCRMA will contribute 45,949. USGS will contribute \$4,565 subject of the availability of Cooperative Matching Funds (CMF). Total funding contributed by MCRMA would increase to \$1,266,571. Total funding contributed by USGS, subject to availability of CMF would be \$114,503. This amendment will increase total agreement funding to \$1,381,074.

Enclosed are three originals of Non-Standard Joint Funding Agreement (NS-JFA) 16WSCA600466210 Amendment 3, between MCRMA and the USGS. Work performed with funds from this agreement will be conducted on a reimbursable basis. If you are in agreement with this proposed program, please return two fully signed NS-JFAs to our office. The third original is for your records pending USGS approval. Upon approval, a fully executed NS JFA will be forwarded for your records.

If you have any questions concerning this program, please contact Wesley Henson, in our San Diego Project Office, at (619) 225-6170. If you have any administrative questions, please contact Irene Rios, in our San Diego Project Office, at (619) 225-6156.

Sincerely,

Eric G. Reichard

Director, USGS California Water Science Center

Enclosures

cc: Wesley Henson, USGS CA WSC

Salinas River Groundwater Basin Investigation, Salinas Valley, California.

Amended Scope and Fee Schedule for Agreement #16WSCA600466210

By

Wesley Henson, U.S. Geological Survey,
Howard Franklin, Monterey County Water Resources Agency, and
Gary Petersen, Salinas Valley Basin Groundwater Sustainability Agency

May 10, 2018

This document defines modifications to the scope and deliverables to the original joint funding agreement (#16WSCA600466210) between the USGS and Monterey County ("County"), hereafter called the "Agreement." The most significant task in the Agreement was development of an integrated hydrologic model of the Salinas Valley ("SVIHM"). In the Agreement, there was no funding or deliverables associated with 1) transfer of the preliminary model to agents of the County, 2) support for agents of the County to evaluate and implement model scenarios using the preliminary model or 3) provide and document an independent review of methods used to develop model scenarios. The purpose of this amended scope is to define the funding and deliverables associated with use of the preliminary SVIHM for development of groundwater sustainability scenarios for water resources planning. Through this amendment, USGS can provide support and guidance to agents of the County for use of the preliminary model during ongoing model development before the completion of model documentation and public release of the SVIHM. This approach ensures that the model is available to be leveraged for evaluation of groundwater sustainability. Furthermore, USGS will evaluate the implementation of model scenarios and provide a technical memo to the County describing the evaluation of model scenario implementation. The work will consist of the following three tasks.

Task 1 – Technical Support

The County has designated the Salinas Valley Basin Groundwater Sustainability Agency ("SVBGSA") as its agent for purposes of this amended scope. The USGS will provide support to the SVBGSA's consultant for configuration of the Salinas Valley Integrated Hydrologic Model (SVIHM) for scenarios for groundwater sustainability to be developed for the SVBGSA.

USGS will provide guidance and technical support to the SVBGSA's consultant in configuring the new model with various operational alternatives to be analyzed. This task will include meetings and WebEx sessions, as well as guidance on selected model input and output, and model updates.

Task 2 – Technical Review of the Use of the Model for the Groundwater Sustainability Scenarios

The SVBGSA's consultant will create input data for the SVIHM to evaluate scenarios for different strategies to reach groundwater sustainability. The USGS will provide a technical review of the model scenario implementation by the SVBGSA's consultants.

Task 3 – Technical Review Memo of the Use of the Model for the Groundwater Sustainability Scenarios

The USGS will review model outputs developed by the SVBGSA's consultants for groundwater sustainability scenarios and assess the validity of the model application. A technical memo documenting the review will be provided to the SVBGSA.

Budget

The tasks in this amendment are expected to occur from amendment execution until January, 31st 2020. The budgets for tasks are shown in Table 1 by Federal Fiscal Year (FFY), which runs from October, 1 to September 30th each year.

	Tasks	FFY 2018	FFY 2019	FFY2020	Total Cost
Model Support	Task 1— Technical Advise and Model Support	\$15,812	\$16,286	\$4,793	\$36,890
Model Scenario Review	Task 2— Model Review	\$1,694	\$1,745	\$2,995	\$6,434
	Task 3— Technical Review Memo	\$0	\$0	\$7,189	\$7,189
Total Costs		\$17,506	\$18,031	\$14,977	\$50,514
Total Cost USGS		\$1,582	\$1,629	\$1,354	\$4,565
Total Cost Monterey County		\$15,924	\$16,401	\$13,624	\$45,949

U.S. Department of the Interior
U.S. Geological Survey
Joint Funding Agreement
FOR
Water Resource Investigations

Agreement#: 16WSCA600466210_A3
Customer#: 6000004662
Project #: ZG00GD4
TIN #: 94-6000524
USGS DUNS #: 1761-38857
OPA Rev: 17-6079

Fixed Cost Agreement YES[] NO[X]

THIS AGREEMENT is entered into as of the 6th day of September, 2018, by the U.S. GEOLOGICAL SURVEY, California Water Science Center, UNITED STATES DEPARTMENT OF THE INTERIOR, party of the first part, and the Monterey County Resource Management Agency, party of the second part.

1. The parties hereto agree that subject to the availability of appropriations and in accordance with their respective authorities there shall be maintained in cooperation for cooperative water resources investigations in the Salinas River Groundwater Basin Investigation, Valley California area, herein called the program. The USGS legal authority is 43 USC 36C; 43 USC 50, and 43 USC 50b.

2. The following amounts shall be contributed to cover all of the cost of the necessary field and analytical work directly related to this program. 2(b) include In-Kind-Services in the amount of \$0.00.

- (a) \$4,565.00 by the party of the first part during the period
January 1, 2016 to October 31, 2021
- (b) \$45,949.00 by the party of the second part during the period
January 1, 2016 to October 31, 2021

USGS Duns is 1761-38857. The amounts in 2(a) and 2(b) above are for this amendment. Total funding for the USGS 2(a) portion of this agreement including this amendment is \$114,503. Total funding for MCRMA 2(b) portion of this agreement, including this amendment is \$1,266,571.

- (c) Contributions are provided by the party of the first part through other USGS regional or national programs, in the amount of : \$0.00

Description of the USGS regional/national program:
Not Applicable

- (d) Additional or reduced amounts by each party during the above period or succeeding periods as may be determined by mutual agreement and set forth in an exchange of letters between the parties.
- (e) The performance period may be changed by mutual agreement and set forth in an exchange of letters between the parties.

3. The costs of this program may be paid by either party in conformity with the laws and regulations respectively governing each party.

4. The field and analytical work pertaining to this program shall be under the direction of or subject to periodic review by an authorized representative of the party of the first part.

5. The areas to be included in the program shall be determined by mutual agreement between the parties hereto or their authorized representatives. The methods employed in the field and office shall be those adopted by the party of the first part to insure the required standards of accuracy subject to modification by mutual agreement.

6. During the course of this program, all field and analytical work of either party pertaining to this program shall be open to the inspection of the other party, and if the work is not being carried on in a mutually satisfactory manner, either party may terminate this agreement upon 60 days written notice to the other party.

7. The original records resulting from this program will be deposited in the office of origin of those records. Upon completion of the USGS Fundamental Science Practices reviews and approvals, copies of the original records will be provided to the office of the other party at their request.

U.S. Department of the Interior
U.S. Geological Survey
Joint Funding Agreement
FOR
Water Resource Investigations

Agreement#: 16WSCA600466210_A3
Customer#: 6000004662
Project #: ZG00GD4
TIN #: 94-6000524
USGS DUNS #: 1761-38857
OPA Rev: 17-38857

8. Upon completion of the USGS Fundamental Science Practices reviews and approvals, the maps, records or reports resulting from this program shall be made available to the public as promptly as possible. The maps, records or reports normally will be published by the party of the first part. However, the party of the second part reserves the right to publish the results of this program and, if already published by the party of the first part shall, upon request; be furnished by the party of the first part; at cost, impressions suitable for purposes of reproduction similar to that for which the original copy was prepared. The maps, records or reports published by either party shall contain a statement of the cooperative relations between the parties.

9. USGS will issue billings utilizing Department of the Interior Bill for Collection (form DI-1040). Billing documents are to be rendered quarterly. Payments of bills are due within 60 days after the billing date. If not paid by the due date, ear Interest, Penalties, and Administrative cost at the annual rate pursuant the Debt Collection Act of 1982, (codified at 31 U.S.C. § 3717) established by the U.S. Treasury. will be charged or each 30 day period, or portion thereof, that the payment is delayed beyond the due date.

**USGS Technical Point of
Contact**

Name: Wesley Henson
Project Chief
Address: 4165 Spruance Rd., Suite 200
San Diego, CA 92101
Tele: (619) 225-6170
Fax: (619) 225-6101
Email: whenson@usgs.gov

**Customer Technical Point of
Contact**

Name: Franklin Howard, Senior Hydrologist
Address: 1441 Schilling Place, North Building
Salinas, CA 93901
Tele: (831) 755-4860
Fax:
Email: franklinh@co.monterey.ca.us

USGS Billing Point of Contact

Name: Irene A. Rios
Budget Analyst
Address: 6000 J Street - Placer Hall
Sacramento, CA 95819
Tele: (619) 225-6156
Fax: (619) 225-6101
Email: iaros@usgs.gov

Customer Billing Point of Contact

Name: Melanie Beretti, Special Programs
Manager
Address: 1441 Schilling Place, South 2nd Floor
Salinas, CA 93901
Tele: (831) 755-5285
Fax:
Email: berettiM@co.monterey.ca.us

U.S. Geological Survey
United States
Department of Interior

Monterey County Resource Management
Agency

Signature

Signatures

By _____ Date: _____
Name: Eric G. Reichard
Title: Director, USGS California Water
Science Center

By _____ Date: _____
Name: Carl P. Holm
Title: RMA Director