



**BOARD OF SUPERVISORS AGENDA ITEM REPORT**  
**CONTRACTS / AWARDS / GRANTS**

Award  Contract  Grant

Requested Board Meeting Date: July 3, 2018

\* = Mandatory, information must be provided

or Procurement Director Award

**\*Contractor/Vendor Name/Grantor (DBA):**

U.S. Geological Survey (USGS)

**\*Project Title/Description:**

Intergovernmental Agreement (IGA) between Pima County and the USGS/Real Time Flood Threat Recognition System (ALERT) Maintenance

**\*Purpose:**

USGS personnel shall, as requested, provide water resources expertise in a professional manner to assist District staff in the installation or repair of our ALERT stream gaging stations, develop rating tables for site specific stream gages, perform flood flow measurement, analyze post-flood streamflow data for reporting needs, and perform other activities that enhance the streamflow monitoring capabilities of the Regional Flood Control District (District).

**\*Procurement Method:**

This IGA is a non-Procurement contract and not subject to Procurement rules.

**\*Program Goals/Predicted Outcomes:**

The District operates the ALERT system to provide timely storm related information and river system analyses. The USGS plays an integral part in helping to keep our stream gauge network operational, physically measuring flood flows, developing rating tables and analyzing post-flood events. Rainfall and streamflow data is analyzed and based upon the findings, storm related information is passed along to Pima County personnel, emergency responders, other jurisdictions and the public 24 hours per day, 365 days per year. Accurate streamflow and individual watercourse computer modeling efforts enable the District to better forecast flood events and identify specific areas where flooding is likely.

**\*Public Benefit:**

Help make informative decisions in a timely manner that can help protect lives and reduce property damage from floods.

**\*Metrics Available to Measure Performance:**

- Reduction in the preventable loss of life and property damage resulting from floods.
- Timely repair of damaged stream gages.
- Timely installation of new stream gages.
- Correlation of actual stream flow measurements to rating tables.

**\*Retroactive:**

Yes, the IGA is dated July 1, 2018, so there is a two-day difference between the Board of Supervisors (Board) meeting and the IGA's start up date. Delays in getting this agreement scheduled for Board consideration fell in part on both USGS and County staffing. Several editorial changes were needed and not addressed expediently due to personnel matters (one birth, one death) with key staff at both agencies.

JUN 21 10:03:22 PC 10/11/18  
MW

FILED JUN 21 2018 10:03:22 AM

TO: COB - 6-12-18  
Ver. - 1  
pgs. - 4  
Revised 5/2018 (7)

**Contract / Award Information**

Document Type: IGA CT W Department Code: FC Contract Number (i.e., 15-123): CT FC 18\*393

Effective Date: 7/1/18 Termination Date: 6/30/23 Prior Contract Number (Synergen/CMS): CT 12\*1176

Expense Amount: \$ 200,000  Revenue Amount: \$ 0.00

\*Funding Source(s) required: Regional Flood Control District Tax Levy

Funding from General Fund?  Yes  No If Yes \$ \_\_\_\_\_ % \_\_\_\_\_

Contract is fully or partially funded with Federal Funds?  Yes  No

If Yes, is the Contract to a vendor or subrecipient? \_\_\_\_\_

Were insurance or indemnity clauses modified?  Yes  No

If Yes, attach Risk's approval.

Vendor is using a Social Security Number?  Yes  No

If Yes, attach the required form per Administrative Procedure 22-73.

**Amendment / Revised Award Information**

Document Type: \_\_\_\_\_ Department Code: \_\_\_\_\_ Contract Number (i.e., 15-123): \_\_\_\_\_

Amendment No.: \_\_\_\_\_ AMS Version No.: \_\_\_\_\_

Effective Date: \_\_\_\_\_ New Termination Date: \_\_\_\_\_

Prior Contract No. (Synergen/CMS): \_\_\_\_\_

Expense or  Revenue  Increase  Decrease Amount This Amendment: \$ \_\_\_\_\_

Is there revenue included?  Yes  No If Yes \$ \_\_\_\_\_

\*Funding Source(s) required: \_\_\_\_\_

Funding from General Fund?  Yes  No If Yes \$ \_\_\_\_\_ % \_\_\_\_\_

**Grant/Amendment Information** (for grants acceptance and awards)  Award  Amendment

Document Type: \_\_\_\_\_ Department Code: \_\_\_\_\_ Grant Number (i.e., 15-123): \_\_\_\_\_

Effective Date: \_\_\_\_\_ Termination Date: \_\_\_\_\_ Amendment Number: \_\_\_\_\_

Match Amount: \$ \_\_\_\_\_  Revenue Amount: \$ \_\_\_\_\_

\*All Funding Source(s) required: \_\_\_\_\_

\*Match funding from General Fund?  Yes  No If Yes \$ \_\_\_\_\_ % \_\_\_\_\_

\*Match funding from other sources?  Yes  No If Yes \$ \_\_\_\_\_ % \_\_\_\_\_

\*Funding Source: \_\_\_\_\_

\*If Federal funds are received, is funding coming directly from the Federal government or passed through other organization(s)? \_\_\_\_\_

Contact: Lynn Orchard, Chief Hydrologist

Department: Regional Flood Control District Telephone: 724-4654

Department Director Signature/Date: [Signature] 6/8/18

Deputy County Administrator Signature/Date: [Signature] 6/8/18

County Administrator Signature/Date: [Signature] 6/8/18  
*(Required for Board Agenda/Addendum Items)*

**CONTRACT**

Form 9-1966

U.S. Department of the Interior

NO. CT-FC-18-393

U.S. Geological Survey

AMENDMENT NO. \_\_\_\_\_

Joint Funding Agreement

FOR

This number must appear on all invoices, correspondence and documents pertaining to this contract.

Water Resource Investigations

Agreement#: 18CMAZ06900

Customer#: 600000793

Project #: ZF00H6R

TIN #: 86-6000543

USGS DUNS #: 137882127

Fixed Cost Agreement YES[ ] NO[ X ]

THIS AGREEMENT is entered into as of the July 1, 2018, by the U.S. GEOLOGICAL SURVEY, Arizona Water Science Center, UNITED STATES DEPARTMENT OF THE INTERIOR, party of the first part, and the Pima County 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 Water Resource Investigations (per attachment), 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) \$0 by the party of the first part during the period July 1, 2018 to June 30, 2023
- (b) \$200,000 by the party of the second part during the period July 1, 2018 to June 30, 2023
- (c) Contributions are provided by the party of the first part through other USGS regional or national programs, in the amount of :

Description of the USGS regional/national program: N/A

- (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 request, copies of the original records will be provided to the office of the other party.

8. 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, interest will be charged at the current Treasury rate for each 30 day period, or portion thereof, that the payment is delayed beyond the due date. (31 USC 3717; Comptroller General File B-212222, August 23, 1983.).

Form 9-1366  
(April 2015)

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

Agreement#: 18CMAZ06900  
Customer#: 6000000793  
Project #: ZF00H6R  
TIN #: 86-6000543  
USGS DUNS #: 137882127

**USGS Technical Point of Contact**

Name: Christopher Smith  
Supv. Hydrologist  
Address: 520 N. Park Ave  
Tucson, AZ 85719  
Telephone: (520) 670-3311  
Fax: (520) 670-5592  
Email: csmith@usgs.gov

**Customer Technical Point of Contact**

Name: Lynn Orchard  
Chief Hydrologist  
Address: 201 N. Stone Ave. 9th Floor  
Tucson, AZ 85701  
Telephone: (520) 724-4600  
Fax:  
Email: Lynn.Orchard@pima.gov

**USGS Billing Point of Contact**

Name: Rebecca Ramirez  
Budget Technician  
Address: 520 N. Park Ave  
Tucson, AZ 85719  
Telephone: (520) 670-3345  
Fax: (520) 670-5592  
Email: rramirez@usgs.gov

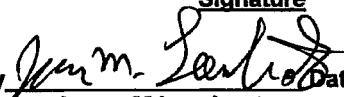
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Email: Lynn.Orchard@pima.gov

U.S. Geological Survey  
United States  
Department of Interior

Pima County

Signature

By  Date: May 14, 2018  
Name: James M Leenhouts  
Title: Director

Signatures

By \_\_\_\_\_ Date: \_\_\_\_\_  
Name:  
Title:

By \_\_\_\_\_ Date: \_\_\_\_\_  
Name:  
Title:

By \_\_\_\_\_ Date: \_\_\_\_\_  
Name:  
Title:

Required County signatures on following page.

**Work Plan for the period July 1, 2018 through June 30, 2023 to Support Pima County's Regional Flood Control District's streamflow monitoring program.**

The USGS will support the Regional Flood Control District's streamflow measurement and monitoring activities by providing USGS personnel to help in the analysis of pre- and post-flood streamflow data, flood measurements, rating table development, installation of reach-scale monitoring sites, the installation and repair of streamflow gage infrastructure upon request, and other activities that enhance streamflow monitoring capabilities.

The Regional Flood Control District operates and maintains a network of real-time ALERT precipitation and storm water runoff gages. The following was taken from the Regional Flood Control District webpage:

"ALERT system sensors are event driven and transmit data in real-time to base station computers at the District's office and the Tucson National Weather Service office. Event driven real-time transmission, means that transmission of data occurs immediately as data is collected at field sites.

Data collected by the ALERT system is used by the National Weather Service to assist in issuing flood watches and warnings and to ground-truth radar determined rainfall estimates."

The work assignments are developed by the Regional Flood Control District contacting the USGS with a request to assist them in one of the above tasks. The USGS will provide a cost estimate for the task, and then with the Regional Flood Control District's approval, the USGS will carry out the negotiated work.

**PIMA COUNTY**

\_\_\_\_\_  
Richard Elias, Chairman,  
Flood Control District Board

\_\_\_\_\_  
Date

**ATTEST**

\_\_\_\_\_  
Julie Castañeda, Clerk of the Board

\_\_\_\_\_  
Date

**APPROVED AS TO FORM AND AUTHORITY**

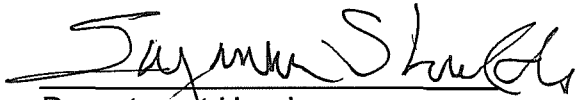
  
\_\_\_\_\_  
Deputy County Attorney

**KELL OLSON**

\_\_\_\_\_  
Print DCA Name

6/4/18  
\_\_\_\_\_  
Date

**APPROVED AS TO CONTENT**

  
\_\_\_\_\_  
Department Head

6/12/18  
\_\_\_\_\_  
Date

THIS CONTRACT IS SUBJECT TO  
THE PROVISIONS OF A.R.S. § 38-511<sup>0</sup>