



## United States Department of the Interior

U.S. GEOLOGICAL SURVEY  
Texas Water Science Center  
1505 Ferguson Lane  
Austin, TX 78754

RECEIVED  
JUL 18 2016  
City Manager's Office

July 14, 2016

Ronald Olson  
City Manager  
City of Corpus Christi  
1201 Leopard Street  
Corpus Christi, TX 78401

Dear Mr. Olson,

Enclosed are two signed originals of our standard joint-funding agreement for the project(s) Texas Water Science Center Water Resources Investigations, during the period October 1, 2016 through September 30, 2017 in the amount of \$157,060 cash from your agency. U.S. Geological Survey contributions for this agreement are \$28,950 for a combined total of \$186,010. Please sign and return one fully-executed original to Beau Griffin at the address above.

Federal law requires that we have a signed agreement before we start or continue work. Please return the signed agreement by **September 1, 2016**. If, for any reason, the agreement cannot be signed and returned by the date shown above, please contact Douglas Schnoebelen by phone number (210) 691-9262 or email [dschnoebelen@usgs.gov](mailto:dschnoebelen@usgs.gov) to make alternative arrangements.

This is a fixed cost agreement to be billed quarterly via Down Payment Request (automated Form DI-1040). Please allow 30-days from the end of the billing period for issuance of the bill. If you experience any problems with your invoice(s), please contact Kandis Becher at phone number (817) 263-9545 Ext 225 or email at [kkbecher@usgs.gov](mailto:kkbecher@usgs.gov).

The results of all work performed under this agreement will be available for publication by the U.S. Geological Survey. We look forward to continuing this and future cooperative efforts in these mutually beneficial water resources studies.

Sincerely,

Timothy H. Raines  
Acting Director

Enc.: 17CMTX029000000(2)

Form 9-1366  
(April 2015)

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

Agreement#: 17CMTX029000000  
Customer#: 6000000486  
Project #: SJ009ME  
TIN #: 74-6000574  
USGS DUNS #: 128821266

Fixed Cost Agreement YES ☒ NO ☐

THIS AGREEMENT is entered into as of the October 1, 2016, by the U.S. GEOLOGICAL SURVEY, Texas Water Science Center, UNITED STATES DEPARTMENT OF THE INTERIOR, party of the first part, and the City of Corpus Christi 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) \$28,950 by the party of the first part during the period  
October 1, 2016 to September 30, 2017
- (b) \$157,060 by the party of the second part during the period  
October 1, 2016 to September 30, 2017
- (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:

- (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.).

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Water Resource Investigations

Agreement#: 17CMTX029000000  
Customer#: 6000000486  
Project #: SJ009ME  
TIN #: 74-6000574  
USGS DUNS #: 128821266

**USGS Technical Point of Contact**

Name: Douglas Schnoebelen  
Supervisory Hydrologist (STPO Chief)  
Address: 5563 DeZavala Road Suite 290  
San Antonio, TX 78249  
Telephone: (210) 691-9262  
Fax: (210) 691-9270  
Email: dschnoebelen@usgs.gov

**Customer Technical Point of Contact**

Name: Ronald Olson  
City Manager  
Address: 1201 Leopard Street  
Corpus Christi, TX 78401  
Telephone: (361) 826-3220  
Fax:  
Email: RonO@cctexas.com

**USGS Billing Point of Contact**

Name: Kandis Becher  
Budget Analyst  
Address: 2775 Altamesa Blvd.  
Fort Worth, TX 76133  
Telephone: (817) 263-9545 Ext 225  
Fax: (817) 361-0459  
Email: kkbecher@usgs.gov

**Customer Billing Point of Contact**

Name: M. P. Sudhakaran  
Water Resources Mgmt Advisor  
Address: 2726 Holly Road  
Corpus Christi, TX 78415  
Telephone: (361) 826-3667  
Fax: (361) 826-4420  
Email: mp@cctexas.com

U.S. Geological Survey  
United States  
Department of Interior

City of Corpus Christi

Signature

By  Date: July 14, 2016  
Name: Timothy H. Raines  
Title: Acting Director

Signatures

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

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

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

City of Corpus Christi  
17CMTX029000000

STATION NUMBER	DESCRIPTION	USGS FUNDS	COOP FUNDS	TOTAL FUNDS
<b>001: SURFACE WATER</b>				
08194000	Nueces River at Cotulla, TX Full Range Streamflow Station	\$4,580.00	\$10,870.00	\$15,450
08194500	Nueces River near Tilden, TX Full Range Streamflow Station	\$4,580.00	\$10,870.00	\$15,450
08205500	Frio River near Derby, TX Full Range Streamflow Station	\$4,580.00	\$10,870.00	\$15,450
08206600	Frio River at Tilden, TX Full Range Streamflow Station	\$4,580.00	\$10,870.00	\$15,450
08206900	Choke Canyon Reservoir nr Three Rivers, TX Reservoir Contents	\$2,465.00	\$5,215.00	\$7,680
08206910	Choke Canyon Res. outflow nr Three Rivers, TX Q below Base and Continous Stages	\$2,850.00	\$7,350.00	\$10,200
08210000	Nueces River near Three Rivers, TX Full Range Streamflow Station <i>Funded by the National Stream Flow Information Program (NSIP)</i>	\$0.00	\$0.00	\$0
08210500	Lake Corpus Christi near Mathis, TX Reservoir Contents	\$2,465.00	\$5,215.00	\$7,680
08211000	Nueces River near Mathis, TX Full Range Streamflow Station <i>Funded by the National Stream Flow Information Program (NSIP)</i>	\$0.00	\$0.00	\$0
08211200	Nueces River above Bluntzer, TX Q below Base and Continous Stages	\$2,850.00	\$7,350.00	\$10,200
08211500	Nueces River at Calallen, TX Full Range Streamflow Station <i>Funded by the National Stream Flow Information Program (NSIP)</i>	\$0.00	\$0.00	\$0
08211503	Rincon Bayou Channel near Calallen, TX Q below Base with AVM and Continuous Stage	\$0.00	\$13,050.00	\$13,050
<b>SURFACE WATER TOTAL:</b>		<b>\$28,950</b>	<b>\$81,660</b>	<b>\$110,610</b>

**003:WATER QUALITY**

08211200	Nueces Rv at Bluntzer, Tx			
	Temp., Cond., pH, Diss. Oxy., Turbidity Monitor (5-Parm)	\$0	\$43,000	\$43,000
		\$0	\$43,000	\$43,000
08211503	Rincon Bayou Channel near Calallen, TX			
	Temp. and Cond. Monitor (2-Parm)	\$0	\$16,200	\$16,200
		\$0	\$16,200	\$16,200
821150305	Rincon Bayou Channel near Odem, TX			
	Temp. and Cond. Monitor (2-Parm)	\$0	\$16,200	\$16,200
		\$0	\$16,200	\$16,200
WATER-QUALITY TOTAL:		\$0	\$75,400	\$75,400

PROJECT	USGS FUNDS	COOP FUNDS	TOTAL FUNDS
SURFACE WATER: 00170	\$28,950	\$81,660	\$110,610
WATER QUALITY: 00370	\$0	\$75,400	\$75,400
TOTAL	\$28,950	\$157,060	\$186,010

USGS Contributions	
USGS Cooperative Water Program Funding	\$28,950
National Stream Information Program Contribution (3 gages)	\$46,350
Total USGS Contribution	\$75,300

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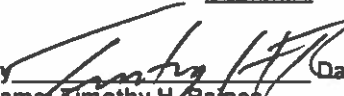
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Department of Interior

City of Corpus Christi

Signature

By  Date: July 14, 2016  
Name: Timothy H. Rames  
Title: Acting Director

Signatures

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

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