



---

DATE: February 4, 2015

TO: Honorable Mayor and City Councilmembers

FROM: Water Utilities Department

SUBJECT: **AMENDMENT 1 TO THE PROFESSIONAL SERVICES AGREEMENT  
FOR FEASIBILITY OF SEAWATER DESALINATION**

### **SYNOPSIS**

Staff recommends that the City Council approve Amendment 1 to the Professional Services Agreement with Geoscience Support Services, Inc., in an amount not to exceed \$250,000 for professional services related to feasibility for seawater desalination; and authorize the City Manager to execute the amendment.

### **BACKGROUND**

On August 17, 2011, the City entered a Professional Services Agreement with Geoscience Support Services, Inc., in an amount not to exceed \$1,357,450 to provide professional services for the feasibility of seawater desalination in the Mission Narrows project. The project consisted of drilling test wells and monitoring wells within the harbor and test pumping to determine if there is sufficient capacity for long-term pumping that would be of beneficial use for water treatment at the Mission Basin Desalting Facility.

Geoscience has completed three sampling wells and has recently acquired the necessary permits to construct the test well.

### **ANALYSIS**

Several items have changed since 2011, such as the location of the wells and the proposed discharge. These modifications require an amendment to the agreement and an update to the original fee schedule.

The additional work and costs are consistent with the intent of the original study. The new test well location will be within Lot 10 at the Harbor. Coordination with Harbor staff is ongoing and the work will occur outside of the busy season at the Harbor. Public outreach has and will continue throughout the project to keep residents and business owners informed.

**FISCAL IMPACT**

The Fiscal Year 14-15 approved budget for the Ocean Desalter Expansion project (908824700715.5305) is \$3,220,174 and the amount of this amendment is \$250,000. Therefore, adequate funds will be available for the project. The expenditures to date on this project are just over \$655,000. The funding source for this project is primarily Developer Fees for Water System Expansion, account 1715.4427.0001.

**CITY ATTORNEY'S ANALYSIS**

The referenced documents have been reviewed by the City Attorney and approved as to form.

**INSURANCE REQUIREMENTS**

The City's standard insurance requirements will be met.

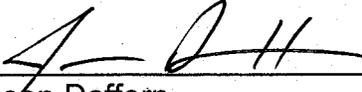
**COMMISSION OR COMMITTEE REPORT**

The Utilities Commission will receive an update at its regularly scheduled meeting on January 20, 2015.

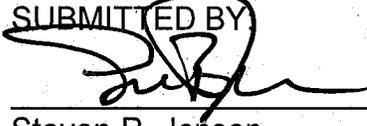
**RECOMMENDATIONS**

Staff recommends that the City Council approve Amendment 1 to the professional services agreement with Geoscience Support Services Incorporated of Claremont in an amount not to exceed \$250,000 for professional services related to feasibility for seawater desalination; and authorize the City Manager to execute the amendment upon receipt of all supporting documents.

PREPARED BY:

  
\_\_\_\_\_  
Jason Dafforn  
Interim Water Utilities Director

SUBMITTED BY:

  
\_\_\_\_\_  
Steven R. Jepsen  
City Manager

REVIEWED BY:

Michelle Skaggs Lawrence, Assistant City Manager



Jane M. McPherson, Interim Financial Services Director

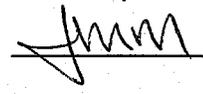


Exhibit A: Amendment 1

**CITY OF OCEANSIDE  
AMENDMENT 1 TO  
PROFESSIONAL SERVICES AGREEMENT**

**PROJECT: FEASIBILITY OF SEAWATER DESALINATION IN THE MISSION  
NARROWS – PROFESSIONAL SERVICES - 908824700715**

**THIS AMENDMENT TO PROFESSIONAL SERVICES AGREEMENT**  
(hereinafter "Amendment") is made and entered this \_\_\_\_ day of \_\_\_\_\_ 2015, by and between the City of Oceanside, "CITY", a municipal corporation, hereinafter designated as "CITY", and GEOSCIENCE SUPPORT SERVICES, INC., hereinafter designated as "CONSULTANT".

**RECITALS**

WHEREAS, CITY and CONSULTANT are the parties to that certain Professional Services Agreement dated July 12, 2011, hereinafter referred to as the "Agreement", wherein CONSULTANT agreed to provide certain services to the CITY set forth therein;

WHEREAS, the parties desire to amend the Agreement to expand the Scope of Work and compensation therefor

**AMENDMENT**

NOW, THEREFORE, as set forth herein, the parties hereto do mutually agree that the Agreement shall be amended as follows:

1. Section 1, Scope of Work, shall be amended to reflect and include additional scope of work as described and outlined in the CONSULTANT's letter dated November 18, 2014, attached hereto and incorporated herein as Exhibit A.
2. Section 13, Compensation, shall be amended to reflect that all work performed in accordance with this Amendment 1 shall not exceed \$250,000.
4. Except as expressly set forth in the Amendment, the Agreement shall remain in full force and effect and is hereby ratified and reaffirmed.

**SIGNATURES.** The individuals executing this Amendment represent and warrant that they have the right, power, legal capacity and authority to enter into and to execute this Agreement on behalf of the respective legal entities of the CONSULTANT and the CITY.

**IN WITNESS WHEREOF**, the parties hereto being duly authorized on behalf of their respective entities to execute this Amendment, do hereby agree to the covenants contained in the Agreement, including this Amendment and have caused this Amendment to be executed by setting hereunto their signatures this 7 day of JAN, 2015.

GEOSCIENCE SUPPORT SERVICES, INC.  
CORPORATION

CITY OF OCEANSIDE

By:   
Dennis E. Williams, President

By: \_\_\_\_\_  
Steven R. Jepsen, City Manager

By:   
Meridee Williams, CFO

APPROVED AS TO FORM:

95-3200498  
Employer ID No.

  
City Attorney

**NOTARY ACKNOWLEDGEMENTS OF CONSULTANT MUST BE ATTACHED.**

**CERTIFICATE  
ATTACHED**

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

STATE OF CALIFORNIA

County of Los Angeles }

On Jan. 7, 2015 before me, P. NING CHEUNG Notary Public  
Date Here Insert Name and Title of the Officer

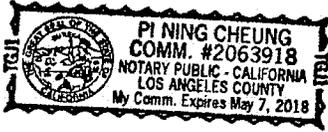
personally appeared DENNIS E. WILLIAMS AND MERIDEG WILLIAMS  
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

Witness my hand and official seal.

Signature [Signature]  
Signature of Notary Public



Place Notary Seal Above

**OPTIONAL**

*Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.*

**Description of Attached Document**

Title or Type of Document: PROFESSIONAL SERVICE AGREEMENT

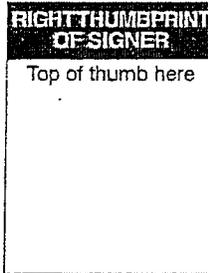
Document Date: JAN. 7, 2015 Number of Pages: \_\_\_\_\_

Signer(s) Other Than Named Above: \_\_\_\_\_

**Capacity(ies) Claimed by Signer(s)**

Signer's Name: \_\_\_\_\_

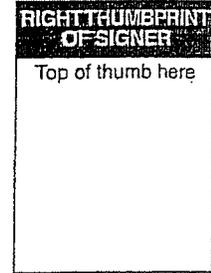
- Individual
- Corporate Officer — Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_



Signer Is Representing: \_\_\_\_\_

Signer's Name: \_\_\_\_\_

- Individual
- Corporate Officer — Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_



Signer Is Representing: \_\_\_\_\_

# GEOSCIENCE

---

November 18, 2014

Mr. Jason Dafforn  
Water Wastewater Project Manager  
City of Oceanside  
300 N. Coast Hwy  
Oceanside, CA 92054

**Re: Request for Budget Amendment - Proposal for Geohydrologic Consulting and Contractor Services Related to Seawater Desalination at the Oceanside Harbor, Oceanside, California**

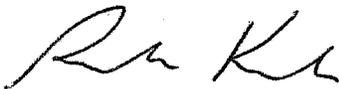
Dear Jason:

GEOSCIENCE Support Services, Inc., was contracted by the City of Oceanside in 2010 to conduct an analysis to evaluate the feasibility of extracting ground water from the Mission Narrows for the purpose providing feedwater for desalination. Since that time, the focus of the study has shifted to the Oceanside Harbor area and the scope of work has changed significantly. To address these changes in project scope, supplemental and unrelated work performed for the City under this contract, and the extended schedule of the project, GEOSCIENCE has prepared this budget amendment request.

Our existing contract with the City is \$1,357,450 of which \$626,319 has been spent to date. The total fee required to complete this project is \$974,324. As such, the NET change to our contract from this budget amendment request would be an additional \$243,193 as detailed in the attached table.

Should you have any questions, please do not hesitate to call me at (909) 451-6650.

Sincerely,



Russell Kyle, PG, CHG  
Senior Geohydrologist  
Encl.

GEOSCIENCE SUPPORT SERVICES INCORPORATED

*Ground Water Resources Development*

P.O. Box 220, Claremont, CA 91711

T: 909-451-6650

F: 909-451-6638

Budget Amendment Request - Proposal for Geohydrologic Consulting and Contractor Services Related to Seawater Desalination at the Oceanside Harbor, Oceanside, California

Task Description	GEOSCIENCE SUPPORT SERVICES, INC.										TETRA TECH					TOTAL COST		
	Principal Hydrologist	Senior Geohydrologist	Project Geohydrologist	Staff Geohydrologist	Technical Illustrator	Clerical	Labor	Reimbursable Subcontractor Expenses <sup>3</sup>	Contractor / Subcontractor Costs	GSSI Total Cost	Project Director	Principal Environmental Planner / Soil Scientist	Surveyor	CAD/GIS Admin	Clerical		Labor	Reimbursable Expenses <sup>3</sup>
Hourly Rate:	\$250	\$195	\$185	\$125	\$110	\$95					\$125	\$110	\$200	\$119	\$95			
<b>1.0 PERMITTING AND ENVIRONMENTAL SUPPORT</b>																		
1.1		6						\$ 1,170	\$ 50	\$ 1,220								\$ 1,220
1.2	Coordination with City Planning Department for Adoption of SWPPP							\$ 3,120		\$ 3,120		40				\$ 4,400		\$ 4,400
1.3	Preparation of NPDES Permit Application	16						\$ 6,640	\$ 440	\$ 7,080								\$ 7,080
1.4	Acquire Drilling and Well Construction Permits from San Diego County Department of Environmental Health (includes well drilling and destruction permit fees, and follow-up activities for SAM compliance)	8	16	16	4			\$ 8,540	\$ 145	\$ 8,685								\$ 8,685
	Coordinate Compliance with Discharge Requirements, including Coordination with Contractor on Collection of Discharge Water Quality Samples, Field Water Quality Analysis, Tracking and Calculation of Discharge Volumes, and Reporting to Regional Board (assumes one (1) discharge report)	8	12	40				\$ 19,470	\$ 635	\$ 20,105						\$ 4,400		\$ 24,505
<b>2.0 OFFSHORE GEOPHYSICAL SURVEY</b>																		
2.1	Coordinates and Interpret Seismic Surveys	2	16	24				\$ 7,660	\$ 435	\$ 8,095								\$ 8,095
	SUBCONSULTANT SERVICES - LEGG GEOPHYSICAL - Includes EM Markup on Subcontractor							\$ -	\$ 178,200	\$ 178,200								\$ 178,200
								\$ 7,660	\$ 435	\$ 8,095								\$ 186,295
<b>3.0 SUPPLEMENTAL FIELD INVESTIGATION - VERTICAL TEST WELL INSTALLATION<sup>3</sup></b>																		
3.1	Preparation of Work Plan and Detailed Technical Specifications for Test Well Drilling, Construction, Development, and Testing of One Vertical Test Well	1	8	16	12	6	2	\$ 6,840	\$ -	\$ 6,840								\$ 6,840
3.2	Contractor Coordination, Including Inspection During Mobilization	8	4	8	8			\$ 3,220	\$ 145	\$ 3,365								\$ 3,365
3.3	Inspect Borehole Drilling and Sampling of Cuttings (assumes full-time inspection and 200 FT test depth)	1	2	24	24			\$ 3,525	\$ 290	\$ 3,815								\$ 3,815
3.4	Perform Mechanical Grading Analysis to Support Test Well Design (assumes 6 samples)	2		10	10			\$ 1,640	\$ -	\$ 1,640								\$ 1,640
3.5	Prepare Design of Casing, Screen, Filter Pack & Annular Seals	2	16					\$ 3,700	\$ -	\$ 3,700								\$ 3,700
3.6	Inspect Installation of Casing, Screen, Filter Pack & Annular Seals (assumes full time inspection)	1	2	4	24			\$ 4,340	\$ 290	\$ 4,630								\$ 4,630
3.7	Inspect Initial Development by Sweeping and Adifting (assumes part-time inspection and 60 hours of development)	1	2	4	48			\$ 7,340	\$ 970	\$ 8,210								\$ 8,210
3.8	Inspect Final Development by Pumping and surging (assumes part-time inspection and 60 hours of development)	1	2	4	48			\$ 7,540	\$ 970	\$ 8,210								\$ 8,210
3.9	Inspect Aquifer Pumping Tests and Collect Three (3) Ground Water Quality Samples (includes laboratory fees and assumes step test, 5-day constant rate test, and recovery measurements with part-time inspection)	2	8	8	56			\$ 15,460	\$ 5,165	\$ 20,625								\$ 20,625
3.10	Inspect Wellhead Completion and Post-Construction Site Condition	1		8	8			\$ 1,195	\$ 145	\$ 1,340								\$ 1,340
3.11	Survey Well Location, Top of Casing, Monument, and Well Pad	1	1	8	8			\$ 1,195	\$ 145	\$ 1,340			20			\$ 4,000		\$ 5,340
3.12	Analyze Data and Prepare Report Summarizing Aquifer Pumping Tests, Exploratory Drilling and Monitoring Well Installation, and Test Well Installation, Including Recommendations Regarding Future Work	8	60	40	32	4		\$ 32,820	\$ 250	\$ 33,070								\$ 33,070
	CONTRACTOR SERVICES - BOART LONGYEAR - Includes EM Markup (TEST WELL DRILLING, CONSTRUCTION, DEVELOPMENT, AND TESTING)							\$ -	\$ -	\$ -								\$ 493,493
	CONTRACTOR SERVICES - PURE EFFECT - Includes EM Markup (EFFLUENT TREATMENT FOR PAHS AND AMMONIA)							\$ -	\$ -	\$ -								\$ 65,770
								\$ 86,615	\$ 8,170	\$ 94,785						\$ 4,000		\$ 98,785

