City of Las Cruces

AMENDMENT TO

HYDROLOGY, HYDROGEOLOGY, AND WATER RESOURCES SERVICES
RFP #14-15-007

This amendment, made this 1st day of October, 2015 by and between the CITY OF LAS CRUCES and INTERA, INC., of 6000 Uptown Boulevard NE, Suite 220, Albuquerque, NM 87110

W I T N E S S E T H

WHEREAS, the parties desire to modify the terms and conditions of their original contract dated November 6, 2015, the parties hereby agree as set forth below:

1. The attached revised Schedule of Fees takes effect November 6, 2015.

2. Pursuant to Section 7, EXTENSION, CHANGES AND AMENDMENTS of the Hydrology, Hydrogeology, & Water Resources Services Agreement (Agreement) dated November 6, 2014 between the City of Las Cruces (City) and Intera, Inc. (Contractor), the City and Contractor agree to renew the Agreement for a period of one (1) year, to begin November 6, 2015 and terminate November 5, 2016. All other terms of the Service Agreement remain the same.

Subject to the modifications set forth in this amendment, the above referenced original agreement dated November 6, 2014 between the parties is hereby ratified and confirmed.

IN WITNESS WHEREOF, the parties, through their authorized representatives, have affixed the signatures below.

INTERA, INC.

BY: _____
Name
Title Sr. Vice President

10-2-15
Date

CITY OF LAS CRUCES

BY: Deb Smith
Deb Smith
Purchasing Manager

10-2-15
Date

APPROVED AS TO FORM

City Attorney

Revised: June 2015

RFP #14-15-007
Hydrology, Hydrogeology, and Water Resources Services

Intera, Inc. - Schedule of Fees - revised September 2015

ITEM	DIRECT LABOR / CLASSIFICATION	HOURLY RATE
1.	Principal Hydrologist, Hydrogeologist, and Water Resource Specialist	**$ 200.00**
2.	Senior Hydrologist, Hydrogeologist, and Water Resource Specialist	**$ 185.00**
3.	Assistant Hydrologist, Hydrogeologist, and Water Resource Specialist	**$ 140.00**
4.	Drafting Technician	**$ 99.00**
5.	Clerical support personnel	**$ 99.00**
6.	Expert witness	**$ 260.00**
ITEM	**MATERIALS / REIMBURSABLE EXPENSES**	**RATE**
	Travel	
7.	Per Diem (per day) – Pre-Approval Required	City of Las Cruces Rate
8.	Vehicle mileage rate (per mile)	Current IRS Rate
	Reproduction Services	
9.	Black and white copies (per copy)	**$ 0.00**
10.	Color Copies (per copy)	**$ 0.00**
11.	Prints (24"x36") Per sheet	**$ 0.00**
12.	Mylars (24"x36") Per sheet	**$ 0.00**
	Miscellaneous	
13.	Materials and Other Expenses	Case by case basis
14.	Sub-Consultants / Outside Services	**15%**

Rates are to include all overhead costs and any and all assessment expenses

NOTES:
1. Detailed Man-hour Estimates are required for time and material (T&M) contracts and are to utilize corresponding rates.
2. Rates in place at the time in which a project is contracted with the City will remain in place for the duration of the contract

City of Las Cruces
PEOPLE HELPING PEOPLE

PROFESSIONAL SERVICES AGREEMENT

THIS AGREEMENT, made and entered into on this 6th of November 2014 by and between the City of Las Cruces, New Mexico, hereinafter called "CITY" and Intera, Inc., of 6000 Uptown Boulevard NE, Suite 220, Albuquerque, NM 87110, hereinafter called "ENGINEER".

1. PROJECT DESCRIPTION

Hydrology, Hydrogeology, and Water Resources Services

2. SCOPE OF SERVICES
In a satisfactory and proper manner, the ENGINEER shall perform SERVICES, as proposed in response to the CITY'S RFP No. 14-15-007, incorporated herein by reference and as set forth in Exhibit A, attached hereto and made a part of this Agreement.

3. APPROPRIATIONS
The terms of this Agreement are contingent on sufficient appropriations and authorization being made by the City Council for the performance of this Agreement. If sufficient appropriations and authorizations are not made by the City Council, this Agreement shall terminate upon written notice given by the CITY to ENGINEER. The CITY'S decision as to whether sufficient appropriations and authorizations exist shall be accepted by ENGINEER and shall be final.

4. COMPENSATION
The CITY shall compensate ENGINEER for the performance of SERVICES under this Agreement an amount agreed to for each assigned project, plus applicable taxes. ENGINEER shall perform the SERVICES upon receipt of a purchase order or written Notice to Proceed for each assigned project from the CITY. The CITY cannot authorize costs to be incurred prior to such written Notice to Proceed.

ENGINEER is responsible for payment of State of New Mexico Gross Receipts Tax levied on the amounts payable under this Agreement. ENGINEER agrees to comply with all federal and state tax payments and report all items of gross receipts as income from the operations of its business.

5. DEVOTION OF ADEQUATE TIME
ENGINEER will devote the necessary hours each week to the performance of projects that are required by the CITY and it will serve the CITY diligently and faithfully, and according to its best ability in all respects and will promote the best interests of the CITY.

6. TERM AND SCHEDULE

This Agreement shall become effective on date of award for one year and pending mutual written agreement, may be extended annually thereafter for up to four (4) more years.

ENGINEER shall perform the SERVICES in accordance with the time set forth as agreed upon by the CITY and ENGINEER and as agreed to for each project assigned under the terms of this Agreement (Exhibit B).

7. EXTENSIONS, CHANGES, AND AMENDMENTS

This Agreement shall not be extended, changed, or amended except by instrument in writing executed by the parties. The CITY shall not be liable for payment of any extra services nor shall ENGINEER be obligated to perform any extra services except upon such written agreement. Such written approval shall indicate the date said extension, change, or amendment is effective and shall be signed by the parties to this Agreement. In the event that the parties cannot reach agreement as to a particular change, the issue shall be resolved pursuant to Article 21.

8. CHANGES AND EXTRA SERVICES BY THE CITY

The CITY may make changes within the general scope of the SERVICES plus may also request ENGINEER to perform other extra services not incorporated within the Services set forth in this Agreement. If the ENGINEER is of the opinion that such change causes an increase or decrease in the cost and/or the time required for performing the changes or other services required by the City, ENGINEER shall so notify the CITY of that fact within five (5) business work days from the date of receipt of change by the CITY. The CITY shall provide written response to the ENGINEER within five (5) business work days from the date of receipt of ENGINEER"S written notification.

9. CHANGES AND EXTRA SERVICES BY THE ENGINEER

In the event a condition is identified by the ENGINEER which, in the opinion of the ENGINEER, changes the services, costs, and/or time required for performance under this Agreement, the ENGINEER shall provide written notification to the CITY within five (5) business work days of such identification. The CITY shall respond in writing to such notification within five (5) business work days from the date of receipt of ENGINEER'S notification.

10. DELAYS

In the event that performance of SERVICES is delayed by causes beyond reasonable control of ENGINEER, and without the fault or negligence of ENGINEER, the time and total compensation for the performance of the SERVICES may be equitably adjusted by written agreement to reflect the extent of such delay. ENGINEER shall provide the CITY with written notice of delay pursuant to Article 9 including therein a description of the delay and the steps contemplated or actually taken by ENGINEER to mitigate the effect of such delay. The CITY will make the final determination as to reasonableness of delays.

11. TERMINATION

This Agreement may be terminated by either party hereto upon fifteen (15) calendar days of written notice in the event of substantial failure by the other party to perform in accordance with the terms of this Agreement through no fault of the terminating party. This Agreement may also be terminated by the CITY for its convenience or because the PROJECT has been permanently abandoned, but only upon fifteen (15) calendar days written notice to ENGINEER.

In the event of termination, ENGINEER shall be compensated for all services performed and costs incurred up to the effective date of termination for which ENGINEER has not been previously compensated.

Upon receipt of notice of termination from the CITY, ENGINEER shall discontinue the SERVICES unless otherwise directed and upon final payment from the CITY deliver to the CITY the required number of copies of all data, drawings, reports, estimates, summaries, and such other information and materials as may have been accumulated by ENGINEER in the performance of this Agreement, whether completed or in process.

12. RECORDS AND AUDITS

ENGINEER will maintain records indicating dates, length of time, and services rendered. The CITY has the right to audit billings both before and after payment, and contest any billing or portion thereof. Payment under this Agreement does not foreclose the CITY'S right to recover excessive or illegal payments.

13. DISCLOSURE AND OWNERSHIP OF DOCUMENTS, PRODUCTS, DESIGN, ELECTRONIC FILES

All technical data, electronic files, and other written and oral information not in the public domain or not previously known, and all information, electronic files, and data obtained, developed, or supplied by the CITY will be kept confidential and ENGINEER will not disclose to any other party, directly or indirectly, without the CITY'S prior written consent unless required by lawful order.

All technical data, electronic files, products developed, operational parameters, blueprints, and other information and work of the ENGINEER shall be the sole property of the CITY and shall be delivered to the CITY when requested and at the end of the Agreement.

14. INDEPENDENT ENGINEER

ENGINEER represents that it has, or will secure, at its own expense, all personnel required in performing the SERVICES under this Agreement. Such personnel shall not be employees of, nor have any contractual relationship with the CITY. ENGINEER,

consistent with its status as an independent contractor, further agrees that its personnel will not hold themselves out as, nor claim to be officers or employees of the CITY by reason of this Agreement.

To the extent that ENGINEER employs any employees, ENGINEER shall be solely responsible for providing its own form of insurance for its employees and in no event shall ENGINEER's employees be covered under any policy of the CITY.

ENGINEER'S retention hereunder is not exclusive. Subject to the terms and provisions of this Agreement: (i) ENGINEER is able, during the Term hereof, to perform services for other parties; and (ii) ENGINEER may perform for its own account other professional services outside the scope of this Agreement.

ENGINEER is and shall be an Independent Contractor and shall be responsible for the management of its business affairs. In the performance of the work under this Agreement, ENGINEER will at all times be acting and performing as an Independent Contractor, as that term is understood for federal and state law purposes, and not as an employee of the CITY. Without limitation upon the foregoing, ENGINEER shall not accrue sick leave, jury duty pay, retirement, insurance, bonding, welfare benefits, or any other benefits, which may or may not be afforded employees of the CITY. ENGINEER will not be treated as an employee for purposes of: Workers' Compensation benefits; the Federal Unemployment Tax Act; Social Security; other payroll taxes, federal or any state income tax withholding; or the employee benefit provisions described in the Internal Revenue Code of 1986, as amended. Neither the CITY, nor its agents or representatives, shall have the right to control or direct the manner, details or means by which ENGINEER accomplishes and performs its services. Nevertheless, ENGINEER shall be bound to fulfill the duties and responsibilities contained in the Agreement.

15. NO JOINT VENTURE OR PARTNERSHIP

Nothing contained in this Agreement shall create any partnership, association, joint venture, fiduciary or agency relationship between ENGINEER and CITY. Except as otherwise specifically set forth herein, neither ENGINEER nor CITY shall be authorized or empowered to make any representation or commitment or to perform any act which shall be binding on the other unless expressly authorized or empowered in writing.

16. ASSIGNMENT

ENGINEER shall perform all the services under this Agreement and shall not assign any interest in this Agreement or transfer any interest in same or assign any claims for money due or to become due under this Agreement without the prior written consent of the CITY.

17. INSURANCE

ENGINEER shall obtain and maintain insurance at its own cost and expense during the life of this Agreement, and shall require Subcontractors, if any, to maintain during the life of his subcontract:

a. Professional Liability: $1,000,000 per claim

ENGINEER shall furnish the CITY with a certificate(s) of insurance showing ENGINEER and Subcontractors, if any, have complied with this Article. The ENGINEER shall provide insurance certificates before work is to start on the project and shall provide the CITY thirty (30) days written notification of cancellation of such policies.

18. INDEMNITY AND LIMITATION

ENGINEER shall indemnify, defend, and hold harmless the CITY from and against any and all claims, suits, actions, judgments, demands, losses, costs, expenses, damages, and liability caused solely by, resulting solely from, or arising solely out of the negligent acts, errors, or omissions of ENGINEER, its officers, employees, agents, or representatives in the performance of SERVICES under this agreement.

19. APPLICABLE LAW

This Agreement and the rights and obligations of the parties shall be governed by and construed by the laws of the State of New Mexico applicable to Agreements between New Mexico parties made and performed in that state, without regard to conflicts of law principles. Venue shall be in the Third Judicial District, State of New Mexico.

ENGINEER shall abide and be governed by all applicable state law, CITY ordinances, and laws regarding the ENGINEER'S services or any work done pursuant to this Agreement.

20. BREACH

In the event ENGINEER breaches any obligation contained in this Agreement, prior to instituting any action or dispute resolution procedure, the CITY shall give ENGINEER written notice of such breach. In the event ENGINEER fails to remedy the breach within five (5) working days of receiving such written notice, the CITY, at its sole discretion, without any obligation to do so and in addition to other remedies available under applicable law, may remedy ENGINEER'S breach and recover any and all costs and expenses in so doing from ENGINEER.

21. DISPUTE RESOLUTION

In the event that a dispute arises between CITY and ENGINEER under this Agreement or as a result of breach of this Agreement, the parties agree to act in good faith to attempt to resolve the dispute.

In the event of termination, ENGINEER shall be compensated for all services performed and costs incurred up to the effective date of termination for which ENGINEER has not been previously compensated.

Upon receipt of notice of termination from the CITY, ENGINEER shall discontinue the SERVICES unless otherwise directed and upon final payment from the CITY deliver to the CITY the required number of copies of all data, drawings, reports, estimates, summaries, and such other information and materials as may have been accumulated by ENGINEER in the performance of this Agreement, whether completed or in process.

22. NOTIFICATION
All notices required or permitted under this Agreement shall be in writing and shall be deemed sufficiently served if served by Registered Mail addressed as follows:

TO CITY:	City of Las Cruces PO Box 20000 Las Cruces, NM 88004
	ATTENTION: Carl Clark, P.E., Interim Res/TS Administrator
With Copies to:	City Attorney
	Purchasing Manager
TO ENGINEER:	Intera, Inc. 6000 Uptown Boulevard NE, Suite 220 Albuquerque, NM 87110
	ATTENTION: Cynthia P. Ardito

23. SCOPE OF AGREEMENT
This Agreement incorporates all of the agreements, covenants, and understandings between the parties hereto concerning the subject matter hereof and that all such covenants, agreements, and understandings have been merged into this written agreement. No prior agreement or understanding verbal or otherwise of the parties or their agents shall be valid or enforceable unless embodied in this agreement.

INTERA, INC.

BY: _____
Cynthia P. Ardito
Executive Vice President
Southwest Division

10-28-14
Date

CITY OF LAS CRUCES

BY: _____
Karen Medina
Purchasing Manager

11/6/14
Date

APPROVED AS TO FORM

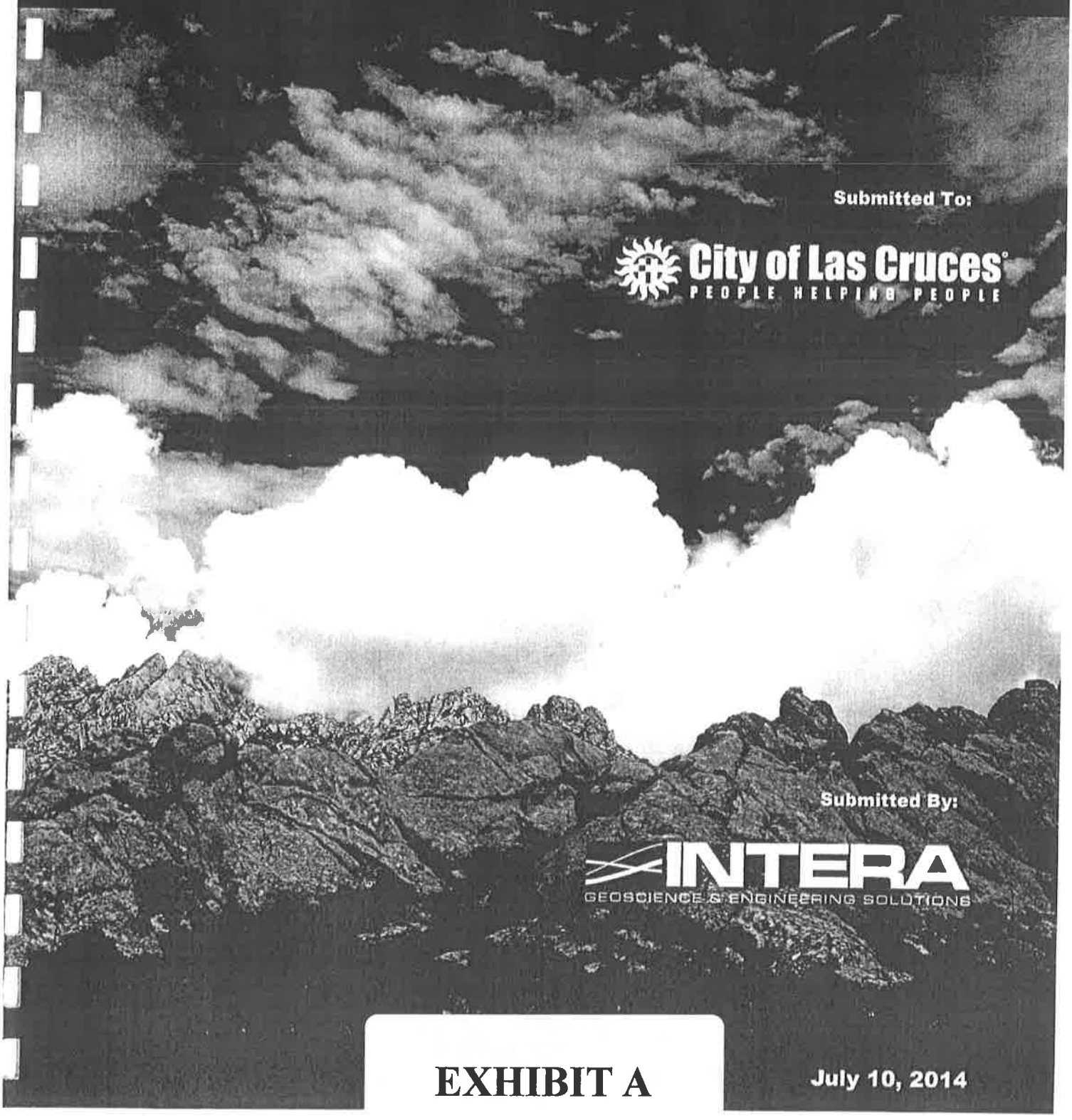
_____
Asst. City Attorney

Revised: Jan 2012

PROPOSAL—

Hydrology, Hydrogeology, and Water Resources Services

RFP No. 14-15-007



Submitted To:

City of Las Cruces®
PEOPLE HELPING PEOPLE

Submitted By:

INTERA
GEOSCIENCE & ENGINEERING SOLUTIONS

EXHIBIT A

July 10, 2014

INTERA
GEOSCIENCE & ENGINEERING SOLUTIONS

INTERA Incorporated
6000 Uptown Boulevard NE, Suite 220
Albuquerque, New Mexico 87110 USA
505.246.1600

July 9, 2014

City of Las Cruces
Attn: Purchasing Department/Bid Clerk
700 N. Main Street, Room 3134
Las Cruces, NM 88001

RE: Proposal to Provide Hydrology, Hydrogeology, and Water Resource Services (response to RFP No. 14-15-007)

Dear Members of the Selection Committee:

Providing the City of Las Cruces (the City) Utilities Department a broad range of hydrology, hydrogeology, and water resources services demands a consultant with proven expertise and extensive experience in each service area. Having provided these services in New Mexico since 1988, INTERA offers the City of Las Cruces a staff of hydrologists, hydrogeologists, engineers, and water rights specialists who are experts in their fields with experience completing projects in the service areas specified in Las Cruces and the surrounding area.

The enclosed proposal is organized according to the evaluation criteria set forth in Section V of the Request for Proposal (RFP) to provide the Selection Committee with our qualifications and experience to provide consulting services. As our proposal will demonstrate, INTERA has the experience and in-depth knowledge required to respond to the City's needs to support your groundwater, surface water, water rights, and water reclamation projects.

The INTERA principals responsible for administration of the contract and directly responsible for the work are provided below.

Contract Administration:
Cynthia Ardito, Vice President
6000 Uptown Blvd NE, Suite 220
Albuquerque, New Mexico, 87110
phone: (505) 246-1600

Project Manager (Direct Charge of Work):
David Jordan, P.E., Principal Hydrogeologist
6000 Uptown Blvd NE, Suite 220
Albuquerque, New Mexico, 87110
phone: (505) 246-1600

We appreciate this opportunity to present our qualifications for providing hydrology, hydrogeologic, and water resources services for the Utilities Department. Should you have any questions regarding this proposal or require additional information, please call us at (505) 246-1600. Again, we look forward to supporting the City on your future water projects.

Sincerely,

Cynthia Ardito, PH, CGWP
Vice President, Western U.S. Operations

David Jordan, PE
Principal, Water Resources Division

Table of Contents

Introduction 1
1. Qualifications/competence of project team members 1
2. Capacity and Capability to Perform Projects 4
3. Management Structure and Approach to Projects 8
4. Performance with Previous Clients 15
5. Firm's Projects 15

Attachments

Attachment A	RFP Compliance Declaration (Completed and Signed)
Attachment B	Proof of Insurance Certificate (City of Las Cruces Listed as Certificate Holder)
Attachment C	NM Taxation and Revenue Certificate (To Satisfy Resident Preference Requirement)

INTRODUCTION

Responding to the City's dynamic needs for hydrology, hydrogeologic, and water resources services requires a consultant that is knowledgeable in a broad suite of technical disciplines and has experience successfully completing similar projects. As the subsequent sections of our proposal will demonstrate, we offer the City several key assets including: (1) a sound technical approach to project execution, (2) an outstanding team of management and technical personnel, (3) specialized expertise and experience in key project areas such as groundwater and surface water modeling, water quality studies, hydrologic forecasting and time series analysis, and water rights issues, (4) a management structure and approach that will enable us to execute projects on time and on schedule, and (5) proven performance in conducting high quality work that is responsive to our client's needs. To facilitate your evaluation of our qualifications, our proposal is organized in response to the evaluation and selection criteria set forth in Section V of the RFP.

1. QUALIFICATIONS/COMPETENCE OF PROJECT TEAM MEMBERS

INTERA offers an outstanding group of managers and technical personnel to provide hydrology, hydrogeology, and water resource services to the City. Collectively, our proposed personnel bring 100 years of cumulative experience working on project sites throughout New Mexico. Through this experience, we provide in-depth knowledge of local, state, and federal regulations and standards related to water resource issues. In addition to our proposed personnel, INTERA has over 80 additional geologists, hydrologists, hydrogeologists, and engineers who can readily support the City projects, as required, to ensure that all efforts are completed within scheduled timelines. **Table 1** below provides a list of our proposed personnel, which are all located in Albuquerque and who will be performing this work. The proposed personnel have spent most of their professional careers gaining valuable experience working on hydrologic, hydrogeologic, and water rights projects in New Mexico. The proposed personnel are listed in Table 1 along with their education, years of experience, anticipated percent of their time that they will work on the City's project and areas of relevant experience. Brief descriptions of the expertise, qualifications, and experience of these personnel are provided following the table.

Table 1.Summary of Personnel Experience

Name/ Office Location	Education (highest degree)	Yrs Exp	Relevant Areas of Experience (RFP Topics 1-17)																
			1. Groundwater studies	2. Surface water modeling	3. Water balance and consumptive Use	4. Water resource economics	5. Water Well design	6. Water quality studies	7. Hydrologic forecasting	8. Time series analysis	9. Particle tracking/transport modeling	10. Water/wastewater regulations - NA	11. Water rights issues	12. Expert witness services	13. Technical support/water regulation	14. Water regulatory matters	15. Reclaimed water studies	16. Water rights adjudications	17. Research related to OSE
Cynthia Ardito, PH (5%)	MS/Geology	30	✓		✓		✓	✓	✓	✓	✓		✓	✓		✓	✓	✓	✓
David Jordan, PE (15%)	MS/Geophysics	26	✓	✓	✓	✓		✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
Rob Sengebush, RG (5%)	MS/Geology	24	✓				✓	✓		✓	✓								✓
John Sigda, PhD (10%)	PhD/Earth Sciences	32	✓	✓	✓	✓		✓	✓	✓	✓			✓					✓
Peter Castiglia (20%)	MS/Earth Sciences	16	✓			✓		✓		✓			✓		✓	✓	✓	✓	✓
Annelia Tinklenburg (20%)	MS/Water Resources	9	✓		✓	✓	✓	✓		✓			✓			✓			✓
Amber Whitaker (10%)	MS/Earth Sciences	10	✓		✓					✓					✓	✓			✓
Natalie Runyan (10%)	BS/Biology	21													✓	✓			✓

Cynthia Ardito, PH, CGWP – Principal in Charge. Cindy Ardito is the Executive Vice President of the Southwest Division and a Senior Hydrogeologist with INTERA. She has 30 years of experience in hydrogeologic characterization, application of groundwater models, and water resources evaluations. She has a MS degree in geology (hydrogeology emphasis) from the New Mexico Institute of Mining and Technology and a BS degree in geology from the University of California. As INTERA's Western U.S. Division Manager in our Albuquerque office, she oversees projects in the areas of groundwater resource evaluations, litigation support, site characterization/remediation, and water quality investigations for a variety of government and private clients. Ms. Ardito has worked on water resources issues in New Mexico since 1984. Her experience includes designing and implementing field programs for aquifer testing, shallow and deep monitoring well installation, and soil and groundwater sampling. Ms. Ardito has experience in organizing and coordinating technical teams, conducting public meetings, and is well respected by the New Mexico regulatory community. Her recent New Mexico water resources experience includes serving as Project Manager for conducting water supply well siting and developing a regional groundwater flow model for Santa Fe County. The model was used as part of a decision support system to identify potential supply well locations in support of the County's conjunctive water resource. Ms. Ardito has also provided expert testimony for water resource litigation cases.

David Jordan, PE – Project Manager. David Jordan is a Principal Hydrogeologist at INTERA with 26 years of experience in quantitative hydrogeology, water resources, GIS, database development, and numerical modeling. He has a MS degree in geophysics from the New Mexico Institute of Mining and Technology, a BS degree in geophysics from Virginia Polytechnic Institute, and is a registered Professional Engineer (No. 13662) in New Mexico. His areas of expertise include regional groundwater modeling and the application of GIS in building and maintaining regional water resources models. He has managed multiple projects involving the development and application of groundwater flow models and the use of remote sensing techniques to determine historical depletions from irrigated agriculture. Mr. Jordan led INTERA's involvement in developing the Pecos River Decision Support System used to prepare the Pecos Compliance Plan, a master plan to gain consensus among multiple stakeholders in the region with regard to water usage. He also served as a technical expert in a water-rights transfer case for a change of use petition near Grants, New Mexico. Mr. Jordan also led the development of a decision support system to assist Santa Fe County in identifying potential new water supply well locations. Mr. Jordan is currently the Project Manager for INTERA's existing contract with the City of Las Cruces.

Rob Sengebush, RG – Well Evaluations and Aquifer Characterization. Rob Sengebush is a Principal Geologist at INTERA with 24 years of experience in providing water resource and environmental consulting services to commercial and governmental clients. He has a MS degree in geology (emphasis in structural geology and stratigraphy) from the University of Montana, a BS degree in geology from the University of California at Santa Barbara, and is a registered geologist in California and Idaho. His areas of expertise include water supply and monitoring well design, water supply and monitoring well drilling and construction, groundwater monitoring program design, site investigation and remediation, and aquifer testing and analyses. Mr. Sengebush managed INTERA's project with Sandoval County in New Mexico to determine the feasibility of developing a deep (> 5,000 feet below ground surface) brackish groundwater resource in the Rio Puerco Basin. His efforts on this project included analyzing and using structural and stratigraphic data to site test wells, evaluation of geophysical logs and correlation of regional subsurface geologic data, general consulting for well completion scheduling and logistics, oversight during well installation, and design and implementation of a large-scale aquifer pumping test to further evaluate the water resource.

Dr. John Sigda – Groundwater Modeling. John Sigda is a Senior Hydrogeologist at INTERA with 32 years of experience in quantitative hydrogeology. He has a PhD in earth and environmental science (hydrology) and MS degree in hydrology from the New Mexico Institute of Mining and Technology and a BA degree in engineering from Harvard. Mr. Sigda specializes in flow and transport modeling, groundwater remediation, watershed management,

geologic controls on hydrologic processes, field and lab measurement of hydraulic properties, and development/application of appropriate technology for water supply and sanitation. He has applied this expertise to a wide variety of projects involving water supply development, water supply and wastewater treatment design, drought emergency planning, radioactive and hazardous waste landfill permitting, evaluation of existing mine operations and mine expansions, and investigation and remediation of contaminated industrial and federal sites. Some of his recent modeling efforts include conducting water balance and fate and transport modeling for a former uranium mine, variably saturated flow modeling to estimate the long term impacts on water resources from Waste Control Specialists' hazardous and low level radioactive landfill facilities located on the New Mexico-Texas border; performing integrated variably saturated flow with reactive solute transport through and beneath mine waste rock as part of the environmental impact statement assessment of proposed mine expansions in Nevada; using the MODFLOW-SURFACT code to assess the long-term impacts to water resources from mine dewatering for underground workings at a large gold mine; and modeling flow through a karst limestone aquifer underlying an industrial site in Minnesota to support monitored natural attenuation of a 2-mile long chlorinated solvent plume.

Peter Castiglia – Water Rights. Peter Castiglia provides technical and management expertise to water rights and water-supply projects and specializes in water rights evaluations and developing geospatial data management systems. He holds a BS degree in Geology and an MS degree in Earth and Planetary Sciences from the University of New Mexico and has served as Past President of the American Water Resources Association, New Mexico State section. He was selected for this project because of his experience evaluating water rights, expertise in developing cost-effective data management systems used to store water rights information, and his ability to control project costs and schedules. His experience working as an on-site contractor at the New Mexico Office of the State Engineer (OSE) District 1 Office for a 7-month period and experience managing the development of a water rights database for the City of Las Cruces provide him with direct and applicable experience necessary for the water rights related services that the City seeks under this contract. For the OSE project, Mr. Castiglia reviewed over 1,500 individual water rights files for both surface water and groundwater rights and recorded the history of each right within a customized water rights geodatabase for the OSE. For the City of Las Cruces Utilities Department, Peter managed the development of a GIS-based water rights database that will be used by City staff to manage and analyze City-owned water rights. As a task manager for your project, Mr. Castiglia offers the City experience managing large and small tasks for a broad suite of services.

Annelia Tinklenburg – Water Well Monitoring and Testing, Water Resource Economics. Ms. Tinklenberg has nine years of experience in water resources and site characterization. She holds an MS degree in Water Resource Management from the University of New Mexico and a BS in geology from Calvin College. She has completed a variety of water-use assessment and analysis projects using GIS, and she routinely uses remote sensing and digital historical aerial imagery to validate water rights. Her experience includes a year-long project for the OSE interpreting water rights documents and populating a custom GIS database (ESRI geodatabase). In addition to working in the Middle Rio Grande Basin, Ms. Tinklenberg has completed land use classification in the Lower Rio Grande Valley using historical aerial photography. She has also worked on quantifying irrigated acreages in the Lower Rio Grande Valley through a multi-decadal analysis of Landsat imagery. Ms. Tinklenberg was a key staff member of the Placitas Water Resource Study conducted on behalf of Sandoval County in 2008. During this project, she researched hydrogeologic literature, performed site assessments, and created maps and a final report for an analysis of the Placitas groundwater resources. She also presented the hydrogeologic information and maps to the County, the BLM, and the community at a public meeting.

Amber Whitaker – Water Quality Studies and GIS. Ms. Whitaker has 10 years of experience in research and applied analytical techniques, including spatial analysis and geostatistics, petrography, electron microscopy, bulk geochemical analysis, mass spectrometry, stable isotope geochemistry, and fluid inclusion microthermometry to solve a wide range of geologic problems. She holds a BS in Earth Sciences from the University of Maine (summa

cum laude), an MS in Earth and Planetary Sciences from the University of New Mexico (with distinction), and a Certificate in Geographic Information Technology from Central New Mexico Community College (highest honors). She is an expert user of ArcGIS to georeference, digitize, analyze, and display data. Ms. Whittaker is responsible for a variety of spatial analyses, data presentations, and general GIS support. Ms. Whittaker has applied her inventory, assessment, and GIS skills to a number of resource-evaluation projects in New Mexico. She has provided GIS support for the Mimbres Basin groundwater model to evaluate the amount of drawdown associated with pumping a supply well for 40 years in Southwestern New Mexico and was a key team member for a recent analysis of changes in riparian vegetation health versus stream flow along the Gila River between the years of 2005 and 2013 using a combination of field work, aerial image analysis, and remote sensing.

Natalie Runyan – GIS and Geodatabase Design and Water Rights. Ms. Runyan is a Senior GIS Scientist at INTERA with 21 years of experience in applying GIS as a decision support tool for private, non-profit, and government environments. She holds a BS in Biology from Furman University and has completed Graduate Coursework in Biology at the University of New Mexico. She combines capabilities in GIS design and analysis, business analysis, software development and implementation, requirements analysis and conceptual design, and project management to develop solutions at project, enterprise, and regional scales. Ms. Runyan has been a member of GIS teams specializing in water resources, hydrology, civil infrastructure, ecology, land use and conservation planning, and habitat conservation.

2. CAPACITY AND CAPABILITY TO PERFORM PROJECTS

Over the course of our 40-year history, INTERA has successfully completed hundreds of projects involving hydrology, hydrogeology, and water resource services. **Table 2** on the following page summarizes some of INTERA's relevant project experience as it relates to the scope of work elements that we are proposing to provide for the City of Las Cruces. As stated in Section 1.0, 100% of the work performed for the City is anticipated to be performed in INTERA's Albuquerque office; however, INTERA has valuable expertise in other offices that can be brought in upon the City's request or if additional help is required to meet tight schedules. Given the breadth of expertise of our staff and our experience providing litigation support services, INTERA is willing to be called on as an expert witness in all of the topic areas, except for topic #10, Water/Wastewater Regulatory Studies. Additional details on these projects are provided below and following the summary table

1. Water Rights Geodatabase, Client: City of Las Cruces Utilities Department

The City of Las Cruces is actively purchasing licensed surface water rights in the Lower Rio Grande Basin and needed a GIS-based tool to manage their water rights. As part of acquiring these assets, the City needed to develop a tool that would allow their water rights staff to call-up a given parcel and to quickly determine the history of the water right that was associated with the parcel, including when it was licensed, the previous owner, the date on which the OSE approved the transaction, and any pieces of the parcel that were denied by the OSE as having a valid water right. The City hired INTERA to build this tool. As the first phase of this project, INTERA completed a requirements analysis that defined with their staff what the tool would need to include, developed a conceptual design to show staff how their data would be incorporated into the system, and performed a data-gap analysis to identify missing information that would need to be required to build the water rights database. The second phase of the project was to populate a new database built by INTERA with all surface water rights and supplemental wells owned by the City within the Elephant Butte Irrigation District. The database was designed in Microsoft Access as an interim step, given that much of the City data was stored in a variety of Microsoft Excel spreadsheets. The database removed the duplicate information in the spreadsheets, consolidated the information in to one, user-friendly environment. By integrating the database with a GIS, the water rights information will be linked to spatial information. As a result, City staff will be able to manage water rights within GIS and be able to quickly and accurately analyze parcels, inventory their assets, and visualize the information with the GIS-based tool developed by INTERA.

Table 2. Summary of INTERA's Relevant Project Experience

Project Name & Location	Relevant Areas of Experience (RFP Topics 1-17)																
	1. Groundwater studies	2. Surface water modeling	3. Water balance and consumptive Use	4. Water resource economics	5. Water Well design	6. Water quality studies	7. Hydrologic forecasting	8. Time series analysis	9. Particle tracking/transport modeling	10. Water/wastewater regulations - NA	11. Water rights issues	12. Expert witness services	13. Technical support/water regulation	14. Water regulatory matters	15. Reclaimed water studies	16. Water rights adjudications	17. Research related to OSE
1. Water Rights Geodatabase	✓			✓							✓		✓			✓	✓
2. Wellhead Protection Areas Delineation	✓					✓							✓	✓			
3. Groundwater Resources Development, Rio Puerco Basin	✓				✓	✓	✓	✓	✓				✓				
4. ABCWUA Water-Supply Dynamic Simulation Model	✓	✓	✓	✓			✓	✓			✓				✓	✓	✓
5. Groundwater Flow and Transport Modeling, NASA	✓		✓			✓	✓		✓				✓	✓			
6. Water Resources Litigation	✓						✓	✓			✓	✓	✓	✓			✓
7. Water Rights Litigation	✓		✓	✓	✓	✓	✓				✓	✓	✓	✓		✓	✓
8. Groundwater Availability Evaluation	✓			✓		✓					✓		✓			✓	✓
9. Reclaimed Water Project	✓				✓	✓					✓				✓		
10. Aquifer Storage and Recovery Modeling	✓					✓					✓		✓				
11. Choctaw-Chickasaw Regional Water Plan	✓	✓	✓	✓		✓					✓	✓					

2. Wellhead Protection Areas (WHPA) Delineation, Client: City of Las Cruces

INTERA was retained by the City of Las Cruces to develop Wellhead Protection Areas (WHPAs) for all of the City's supply wells. The primary objectives of the project were to define WHPAs for all existing and proposed City supply wells, based on using a standard 1,000-foot buffer zone around each well, per New Mexico Environment Department (NMED) guidance, and compare these buffer zones to areas of known or suspected groundwater contamination to determine if any areas of known or suspected groundwater contamination were present within any of the WHPAs. In addition, we mapped available information on active underground storage tank (UST) facilities within the City, to evaluate the extent to which UST facilities are present within any of the WHPAs. The WPHA data can be used by the City to evaluate potential threats to any of their existing or proposed supply wells.

3. Groundwater Resources Development in the Rio Puerco Basin, Sandoval County, New Mexico, Client: Sandoval County

INTERA provided hydrogeologic support to Sandoval County (the County) for the investigation of a potential deep brackish groundwater resource in the Rio Puerco Basin, west of the City of Rio Rancho, New Mexico. Initial efforts focused on analyzing existing structural and stratigraphic data to site test wells. These activities included the evaluation of existing geophysical logs and correlation of them to regional subsurface geologic data. With the well sited, INTERA used the available geologic data and our knowledge of drilling technology to develop well completions, scheduling and logistics, and preliminary costs. Two exploration wells drilled by the County in 2007 produced artesian flow of brackish water with a temperature of over 150 degrees Fahrenheit and total dissolved solids (TDS) of over 12,000 milligrams per liter. INTERA completed a round of sampling from one of the wells to develop baseline geochemical data for use in the design of a reverse osmosis desalination plant. Using preliminary aquifer testing data, we provided preliminary estimates of the total available groundwater resource and completed the design for the long-term aquifer test to establish a more reliable assessment of the resource. The long-term aquifer test was completed and provided a more definitive estimate of groundwater availability. In conjunction with an engineering subcontractor, INTERA completed a groundwater development and treatment engineering study that specified the process of producing, transporting, and desalinating the water and developed the cost per thousand gallons of treated water. The costs were based on capital costs, operation and maintenance costs, and costs to finance the production infrastructure consisting of wells, conveyance piping, a 5,000,000 gallon per day reverse osmosis desalination plant, and delivery of water to the customer. This study was presented to the County as the basis for decisions on the feasibility of producing and treating the brackish groundwater. Roger's and Company provided drilling services as a subcontractor to INTERA on this project. Rogers and Company is located at 2615 Isleta Blvd SW, Albuquerque, NM, 87105 and can be contacted at 505-877-1030.

4. Water-Supply Dynamic Simulation Model, Albuquerque, New Mexico, Client: Albuquerque Bernalillo County Water Utility Authority (ABCWUA)

INTERA is leading the development of a dynamic system simulation model for the ABCWUA for the purpose of short-term surface and groundwater accounting, as well as long-term supply and demand planning and evaluation. Sources include groundwater from local wells, as well as surface water from the San Juan-Chama project which brings water from Colorado into New Mexico via the Azotea Tunnel and through a series of reservoirs operated by the US Bureau of Reclamation and the Army Corps of Engineers. INTERA has built an interactive water budget model that is capable of simultaneous analysis of multiple variables that will affect the quantity of water resources available to the ABCWUA. Specifically, the ABCWUA required the creation of an interactive tool that combines information from several different hydrologic models (both surface- and groundwater) to develop short- and long-term water budgeting that can, in turn, be used to plan supplies on an annual and long-term basis. A GoldSim decision support system (DSS) was built that is being used by ABCWUA staff for testing the effects of various future water availability scenarios (including the possible effects of climate change) and decisions on water withdrawal and distribution operations. In addition, water demands were evaluated for the purpose of forecasting the potential impacts of various demand scenarios on available supply. Multiple population scenarios were considered to evaluate the potential impact of projected population changes on demand. Demands were subdivided into consumptive (primarily outdoor irrigation) and non-consumptive (indoor uses which become return flows) to evaluate changes in consumptive use as a function of customer behavior and conservation programs. Demands were also evaluated based on an overall gallons per capita per day (GPCD) value, to determine overall potential savings that might be realized by implementing conservation measures.

5. Groundwater Flow and Transport Modeling at NASA White Sands Testing Facility, Client: EASI, NASA White Sands Test Facility

INTERA assisted NASA WSTF with a three-dimensional flow and transport model developed to design and evaluate a pump-and-treat remediation system associated with solvent and rocket-fuel contaminants in groundwater there. The geology is complex, fractured bedrock with variable lithologies including volcanics. The NASA WSTF model derives boundary conditions from the OSE Jornada del Muerte Basin water resources model, and INTERA has been working extensively with that model in conjunction with the NASA model. INTERA's work involved flow modeling, contaminant transport modeling, and particle tracking.

6. Expert Witness Testimony and Technical Assistance for Water Resources Litigation, Client: Rodey Law Firm

In support of a water resources litigation involving a proposed resource extraction project, INTERA evaluated the water resources potential in the project area, designed and implemented a long-term aquifer test to evaluate aquifer potential, developed and applied a groundwater flow model, and provided technical support for litigation involving water resources disputes in the area. The project was completed under an accelerated timeline, and successfully included involvement by experts from three different INTERA offices. Hydrogeologic work included field mapping and analysis of geologic structures, aquifer testing and analysis, and monitoring well siting. Monitoring wells were used both to evaluate the local and regional groundwater system and to evaluate any impacts to the local surface water resources from proposed pumping. We developed a three-dimensional numerical MODFLOW model to evaluate regional hydrogeology and potential pumping impacts to surface water resources. The geologic model for the groundwater model was built using three-dimensional GIS techniques to integrate a variety of data including surface geology, structure contours, and stratigraphic elevations from wells. Digital aerial photography and remotely-sensed Landsat 7 data were used to support development of the conceptual groundwater flow model and the numerical model.

7. Technical Support and Litigation Support for Water Rights Transfer, New Mexico, Client: Modrall Law Firm

From 2005 to 2013, INTERA provided technical expertise on a water rights transfer case before the OSE. Work included developing a GIS-based hydrogeologic conceptual model using data from the OSE WATERS database and other data (i.e., topography, geology, and land ownership) to evaluate local geology and hydrogeology. GIS was used to build a MODFLOW superposition model to evaluate potential effects of the applicant's proposed wells. The matter settled favorably before going to hearing.

8. Groundwater Availability Evaluation for Santa Fe County, New Mexico, Client: Santa Fe Utilities Department

INTERA supported Santa Fe County in evaluating their overall water resources and water availability, as well as determining viable locations for new supply wells. This work included: (1) an in-depth study of regional geology and hydrogeology, (2) the development of a regional MODFLOW groundwater model to be used for water resources management, (3) the development of a decision analysis process to evaluate water management alternatives, and (4) the application of the model to address water supply management questions. After developing and calibrating the model, we used it in conjunction with a decision support system to determine the optimal potential supply well locations based on attributes such as aquifer yield, proximity to existing infrastructure, locations of sensitive areas of potential impairment such as springs, and a variety of other considerations. Because the model area (Española Basin) is an over-appropriated basin, and the entire Santa Fe region is experiencing significant growth, stakeholder communications are a critical facet of this work. INTERA

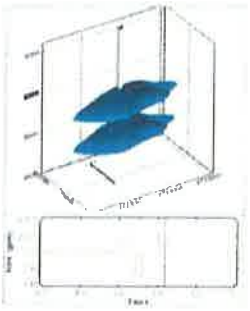
assisted County utility staff in presenting the results of this study at public meetings and at County commissioner meetings to successfully garner public support for the project

9. Chickasaw-Choctaw Nations and USACE Reclaimed Water Project, Client: Chickasaw and Choctaw Nations and US Army Corp of Engineers (USACE)

In support of the Chickasaw and Choctaw Nations and USACE reclaimed water project, a regulatory review of current and future Oklahoma requirements for reuse of treated wastewater was performed. Historical water reuse projects in the State of Oklahoma were compiled to highlight incentives of past projects and sites of successful implementation. A regional and local evaluation identified project sites with the greatest potential to offset the water supply, benefit local ecology, and satisfy non-potable demands with reclaimed water. An assessment metric was developed to evaluate the feasibility of potential reuse projects with consideration of costs and impacts to downstream water right holders.

10. Aquifer Storage and Recovery Modeling, New Mexico, Client: Confidential Client

As part of a water rights settlement for an Indian waters rights claim, an aquifer storage recovery (ASR) system was proposed to help provide system storage capacity. A test well was drilled and tested to help improve characterization of the targeted formation, and this information will be incorporated into the local-scale ASR numerical model. To help inform decision makers on ASR in general, and the potential performance of the proposed system, INTERA performed scoping level simulations of an ASR well at the site. An existing regional model of the groundwater Basin (recently updated by INTERA) was used as the basis for model construction. Because the regional model did not have sufficient horizontal or vertical resolution for transport simulations near the ASR well, it required refinement in the area of the well. MODFLOW-LGR was used to create a second, finely discretized model that was directly linked to the regional model. MODFLOW-LGR is an alternate version of MODFLOW-2005 that facilitates this direct linking, where the local and regional models exchange flux and head boundaries at the perimeter of the local model.



11. Chickasaw-Choctaw Regional Water Plan, Client: Chickasaw and Choctaw Tribal Nations

The Chickasaw and Choctaw Nations (Nations) treaty territory spans a region that is coextensive with the southcentral and southeastern portions of the State of Oklahoma, an area that spans roughly twenty-two counties and includes seven substantial watersheds as well as seven major aquifers. Live springs and creeks as well as strong flowing rivers are characteristic of the territory—natural resources that are part of the basic fabric of the regional economy, culture, and way of life and which critically support community stability, economic development, and environmental health. The heart and soul of any water management plan involves the assessment of current and future demand for water, as current and future supply. Where shortfalls are projected to occur (geographic or temporal), water management strategies are developed to ensure needs continue to be met. INTERA is using Riverware and MODFLOW to determine surface and groundwater availability, as well as socioeconomic tools to project demand. An integral part of the plan is to determine non-consumptive water demand (recreational, environmental, etc), for which a panel of experts has been convened to help define an appropriate approach. Public participation and expert peer review ensure scientific integrity and stakeholder buy-in.

3. MANAGEMENT STRUCTURE AND APPROACH TO PROJECTS

Cynthia Ardito, PH, CGWP will serve as the Principal in Charge and Corporate Officer of INTERA, as she has the authority to sign the proposal and the contract. Ms. Ardito has served as the Corporate Officer for INTERA's

previous contracts with the City of Las Cruces. David Jordan, PE will be the professional in direct charge of the work for the Contract. Mr. Jordan is a Principal Hydrogeologist who has served as project manager for a variety of City projects. Contact information for both Ms. Ardito and Mr. Jordan is provided in Section 1.0 of this proposal and their registrations are listed below. Please note that the State of New Mexico does not have professional registrations for either geologists or hydrogeologists.

Professional Registrations

Cynthia Ardito: National Groundwater Association, Certified Ground Water Professional (CGWP) No. 113485
American Institute of Hydrology, Professional Hydrologist (PH), No. 11-HGW
New Mexico Underground Storage Tank Bureau, Certified Scientist No. 72

Mr. Jordan: Registered Professional Engineer, New Mexico, No. 13662
Registered Professional Engineer, Oklahoma, No. 21212

Our approach to managing projects for task-order contracts starts with listening to the City's needs so that we may match those needs with our services and develop an acceptable scope of work, schedule, and budget. When a member of the City first identifies a need for our help and a potential project is conceived, our Project Manager will discuss the nature of the problem that the City is trying to solve and the type of services and schedule that INTERA can provide to come to a workable solution. INTERA will then develop a work order that complies with the City's schedule and budget requirements. Once a work order is in place and INTERA enters the execution phase of the project, our Project Manager will be accountable for that work and will focus on effectively delivering our services. To deliver our services, projects are typically broken down into smaller steps led by members of our technical team that have the experience, talent, and skills best suited for the role. During the execution phase of the project, our Project Manager focuses on optimizing our organizational resources, ensures that the project's objectives are being met and that our team is guided, motivated, and kept on track for delivery. Without the right tools, this can be a daunting task. With the right tools, monitoring costs and milestones as well as analyzing progress toward delivery can be simple and efficient. Our Project Managers use a project management system that INTERA has had in place for more than eight years and enables us to do everything we need to manage budgets, time, expenses, and improve performance. Using this basic approach, we can scale-up for large projects and scale-down to simplify efforts on smaller task assignments from the City. The following sections describe our experience and typical approach to the 17 project topics identified on page 5 of the RFP. INTERA has elected to propose on all topics with the exception of topic number 10, Water/Wastewater Regulatory Studies.

1. Groundwater Studies to Schedule Modeling, Analysis, and Forecasting Projections

While many firms provide modeling services, INTERA offers modeling expertise. Since our inception in 1974, INTERA has been at the forefront of developing hydrologic simulation software. In the 1970s, long before the use of MODFLOW or other simulators, INTERA developed the first fully three-dimensional, variable density, finite difference flow code (SWIP) for the USGS. Following that work, INTERA developed the first public domain groundwater flow and transport modeling programs (SWIFT and SWFIT-II) capable of treating variable fluid density, dual porosity, and multi-chain radionuclide transport in three-dimensions. Since those early days of writing some of the first codes to simulate groundwater flow and transport in three dimensions, INTERA routinely applies other common codes, such as MODFLOW-SURFACT™, to simulate future hydrologic-system conditions needed to make sound decisions regarding water supply and water-resources management.

We tailor each modeling approach taking into consideration the special domain and time frames the model system intends to address, the degree of detail needed in model results, data requirements, and time/funding constraints. Once the conceptual groundwater model is prepared, development of the numerical model follows. Components of the model will include identifying the groundwater flow and transport code, identifying the model boundaries and domain, and developing the model grid. We will then specify boundary conditions, hydrostratigraphic zones, and

estimate initial flow parameters of each hydrostratigraphic zone. Recent examples of groundwater models that have been reviewed and approved by the OSE as part of permitting new projects include a two dimensional flow model for the Capitan aquifer in Eddy and Lea County, a three-dimensional model of the entire San Juan Basin of New Mexico, Colorado, Utah, and Arizona. Beyond groundwater flow models, INTERA has also led the development of a dynamic systems model for the Albuquerque Bernalillo County Water Utility Authority. The Water-Supply Dynamic Simulation Model provides a management tool for the Water Authority staff for both short- and long-term planning for water resources and includes functionality to evaluate uncertainty in supply and demand as a result of forcing functions such as climate change and population dynamics.

2. Surface Water Modeling

INTERA's surface-water modeling services focus on providing predictions of the future hydrologic-system conditions needed to make sound decisions regarding water resource management using state-of-the-art data acquisition and modeling technology. Beyond simply considering the surface-water system as part of developing groundwater flow models, developing and applying surface-water models requires staff who specialize in this area of modeling and possess the specialized skills and experience to evaluate channel and riverine hydraulics with complex channel networks, which INTERA has. We tailor each modeling approach to the project by taking into consideration the spatial and time frames the model system intends to address, the degree of detail needed in model results, data requirements, and time/funding constraints. In general, we apply one-dimensional dynamic models to riverine and channel hydraulics and use codes such as SWMM, HEC-RAS, AdICPR, MIKE-11, and CHAN. We also routinely apply the WASP, EFDC, CE QUAL W2 and HydQual models for reservoir studies to assess surface water quality in lakes and reservoirs. Examples of surface-water models developed and applied by INTERA staff includes the application of the Riverware code to determine surface water availability in support of the Choctaw-Chickasaw Regional Water Plan that is being developed by INTERA for tribal nations in Oklahoma and the Water Demand Analysis & Diversion Management Modeling for Gulf Coast Water Authority (GCWA). The GCWA project involved the development of a hydrologic model that computes daily water availability and how much water may be diverted into the canal system for delivery at various diversion points. The model is coupled with a canal system conveyance model that models the transport of water through the system to each customer, focusing on optimizing pathways for minimizing conveyance loss. Similar to the water rights management tool that INTERA developed for the City on our past project, the model is linked to GIS databases of the canal system, making it easier to visualize operations and helping canal operators make daily on-the-fly decisions.

3. Water Balance and Consumptive Use Studies

A water balance study is a critical step in model development and the water planning process, because it considers all sources of water contributing to and leaving the system. The study aims to estimate all groundwater and surface water inputs, outputs and exchanges of water within a region and is based on the development of a conceptual hydrogeologic model. For each project, we begin by inventorying the water contributions into and out of the system of interest. Compiling data for inflows may include data sources for groundwater recharge from precipitation, overland flow, or recharge from surface water bodies. Outflows from the system may include spring flow, groundwater flow to streams, evapotranspiration and pumping. Several examples of water balance studies completed by INTERA include projects for the OSE, New Mexico Interstate Stream Commission, numerous mining clients, and 13 individual water balance studies for the Texas Water Development Board.

Quantifying consumptive use of groundwater and surface water has become a specialty service offered by INTERA. The OSE and New Mexico Interstate Stream Commission have relied on INTERA to help evaluate the water balance of basins in Southern New Mexico, including the Salt Basin and Lower Rio Grande Basin. Of particular interest and importance to the water balance of these systems and often in the water rights evaluation process is quantifying how the consumptive use of irrigated agriculture varies over time.

4. Water Resource Economics to include Modeling, Cost/Benefit Analysis, and Feasibility Studies

INTERA has assessed the trade-offs between the cost and benefit of alternative water supplies, treatment methods, and delivery systems for both pre-feasibility and feasibility studies in support of technical due diligence and project financing. As an example of recent water resource economics studies, Ms Tinklenberg is currently working with F. Lee Brown, of H2O Economics, on integrating a cost analysis into a water budget model for the Albuquerque Bernalillo County Water Utility Authority. The cost analysis includes evaluation of future capital and operating costs between alternative future supply strategies included in the water budget model. Another example of our approach to this task is the work that INTERA completed in 2013 for the Pre-Feasibility and in 2014 for the Feasibility studies for the Ochoa Project, a proposed potash mine and mill in Lea County, New Mexico. The system included eight high-capacity, deep saline groundwater wells, a hydrogen sulfide pre-treatment system, collector and distribution pipelines and booster systems, and a 5.7-million gallon per day desalination plant. To arrive at this design, INTERA's approach was to complete a process evaluation that determined the most effective treatment, prepare a preliminary design of the water production system, and develop two alternative delivery contracts for procurement. From sourcing the supply of water to the contracting options for delivery, INTERA offers these skills that can inform decisions made by the City to minimize cost and maximize benefits for project delivery.

5. Water Well Design, Construction, Monitoring, and Testing Services

INTERA has designed, installed, tested and monitored wells ranging from depths of over 5,400 feet and diameters up to 20 inches to small diameter, shallow wells used for both production and monitoring. The staff proposed for this project has direct experience on a wide variety of drilling methods ranging from auger, direct and reverse mud rotary, air, and sonic drilling and can select the appropriate method for the project objective and site conditions. For well design, our approach begins by assessing the hydrogeological conditions of the proposed area, depth to water, desired and expected production rates, and water quality. Following the completion of a design, we then develop an operational plan that details each step of the pre-drilling, drilling, and post-drilling process. In our experience, these plans help to overcome potential problems in communicating what is expected of the drilling contractor and INTERA field personnel and provide a clear definition of when, where, and how the work is expected to be conducted. The plan will define expectations and requirements for permitting, site preparation, drilling fluid and bit programs, installation processes, and well development and logging programs. During construction, INTERA staff have issued reports that log drilling progress and project costs on a daily basis so that decision makers are informed on the most current details of drilling and installation. Though commonly overlooked at the conclusion of the process, INTERA will typically deliver a well binder in both hard copy and electronic formats that contains all permits, plans, records, delivery tickets, cost accounting documents, and well logs. In doing so, the well owner can easily access information about their investment in one place. Over the past 40 years, INTERA has earned a reputation as a leader in the design, implementation, and analysis of well and aquifer tests. As an example of relatively fundamental well testing, Mr. Sengebush and Ms. Tinklenberg recently completed constant-rate and step-testing of a water supply wells in Santa Fe County to size pumps and evaluate the well yield. As a recent example of a relatively large and technically complex aquifer test, Ms. Tinklenberg led the design and implementation of a 30-day pumping test using two, 5,400-feet deep wells in Lea County, New Mexico that produced over 7 million gallons of water during testing. Upon completion of the test, INTERA uses software packages such as AQTESOLV or nSIGHTS to analyze data from pumping tests, slug tests, or constant heads tests. The nSIGHTS code was developed by INTERA in cooperation with Sandia National Laboratories in support of hydraulic and gas testing conducted for the WIPP program. It is now an open-source, non-proprietary code that is used internationally as a state-of-the-art tool for analyzing data from well and aquifer tests completed in complex testing environments.

6. Water Quality Studies

INTERA has been responsible for the completion of hundreds of monitoring wells and monitoring plans that have been installed and implemented to characterize the quality of water for a variety of constituents of potential concern. Having served as a WIPP site contractor for geologic and hydrogeologic characterization over the past 25 years, the City can count on INTERA's ability to design and implement sound sampling and analysis plans. As the first

step in the planning process, INTERA commonly prepares a sampling and analysis plan that combines quality assurance measures with field sampling objectives and procedures. These plans clearly define the intended use of the data to be collected and help assure that data quality objectives are achieved. Once in the field, our staff members are trained to follow the operating procedures defined in the plan to collect, store, and ship samples. At sites where previous investigations have been completed and historic data are available, INTERA begins by analyzing the historic data using geostatistical methods (described in detail in the following sections) to focus our work and leverage existing resources. This step can ultimately lead to cost and time savings for the project owners. Examples of INTERA's water quality study work includes quarterly sampling for the Ridgecrest #3 and #5 wells and the Trumbull nest wells in response to the Kirtland Air Force Base jet fuel spill, monitoring wells at the Los Angeles Landfill for the City of Albuquerque Department of Environmental Health, and the evaluation of groundwater quality conditions and surface water and sediment quality impacted by a long-term release of petroleum hydrocarbons that affected the Santa Fe County Judicial Complex in Santa Fe, New Mexico. In addition, INTERA's work has successfully led to the New Mexico Water Quality Control Commission approval for alternative abatement standards, which is an example of one of the more complex processes related to groundwater compliance in NM.

7. Hydrologic Forecasting To Include Parametric and/or Stochastic Processes

With over 20 years of experience in developing and applying statistical and geostatistical tools to hydrologic and hydrogeologic data, hydrologic forecasting is a core competency of INTERA. We have applied artificial neural networks (ANNs) for time series prediction and as a way of quantifying cause-and-effect relationships between different variables. This could include quantifying the cause-and-effect between brackish water encroachment or surface water impacts from groundwater pumping, or to predict water levels in a highly responsive surficial aquifer. Another example is the web-based demand forecasting system that INTERA developed to assist Tampa Bay Water in Florida to forecast water demand for one week to one year into the future based on known historical demand as well as other influences such as weather. The tool that INTERA developed simplified the process that Florida's largest wholesale water supplier used to test various management scenarios and optimize the use of their water supply portfolio to meet actual and projected demands of their 2.3 million customers. Depending on the project requirements for forecasting, INTERA can pick from statistical software packages such as GSLIB and ISATIS as well as the geostatistical packages within the GMS and ESRI ArcGIS software packages.

8. Time Series Analysis

In addition to the routine task of identifying seasonal and annual trends in time series data, our clients more commonly require more complex analyses, such as simulating missing values in historic time series. Because time series data are often used as inputs for flow models and other decision making tools, a time series where missing data are "present" can produce biased results that can adversely affect the decision. To help the South Florida and Southwest Florida Water Management Districts avoid this problem with their rainfall time series, INTERA evaluated and applied methods to estimate missing values to construct complete daily rainfall time records. Having evaluated and tested six different methods for the project, the results showed that a two-step procedure yielded the best overall performance. As the first step in the approach, the Correlation Coefficient Weighting Method (CCWM) was used to provide a full input matrix for linear models used in the second step. The linear weight optimization method was then applied using stepwise regression, with the number of inputs determined using the Akaike information criterion (AIC). The methods were all implemented using MATLAB scripts, which were developed by INTERA.

9. Particle Tracking and Contaminant Transport Modeling

INTERA is often selected to work on contaminant transport modeling projects because it is at the core of what we do. When contamination from a jet fuel spill at Kirtland Air Force Base (KAFB) threatened Albuquerque's drinking water supply, the Albuquerque Bernalillo County Water Utility Authority called upon INTERA to provide expert technical advice. Working on behalf of the Water Authority, our modelers used a particle tracking model to show that the interim measures proposed by the Air Force and its contractor would spread rather than contain a plume

EDB (ethylene dibromides). Our review exposed problems with the plan proposed by the Air Force and detailed how the proposed capture design would threaten the Ridgecrest water supply well field. By providing modeling expertise on perhaps the State's highest profile groundwater contamination projects, our work helped the Water Authority to protect the drinking water supply for Albuquerque and caused the Air Force to re-evaluate critical aspects of their approach to cleaning up the jet fuel spill. Our approach is to first develop a conceptual model of the geologic and hydrogeologic system and then build or apply a groundwater flow model. That same groundwater flow model is then used to simulate contaminant transport, taking into account mixing and geochemical processes affecting solute concentrations. We often use the TRANSPORT module of PHREEQC code to simulate the effects of physical processes such as advection, dispersion, and diffusion in concert with chemical processes such as dissolution, precipitation, ion-exchange equilibria, solution mixing, and surface complexation reactions. INTERA is actively developing contaminant transport models for projects located in New Mexico and states as far east as Pennsylvania and west as California and have ongoing work developing and applying models for international projects in Australia, Sweden, and France. INTERA offers the City of Las Cruces expertise that will support making sound and cost-effective decisions for site evaluations and remediation.

INTERA found that the design, if it were to function as described, would spread, not contain, the EDB ***plume... Encouraging the migration of EDB into non-****contaminated groundwater is at variance with the ABCWUA's protection* ***efforts" – Letter to KAFB*** *Commander from Tom Blaine, PE, Director, NMED Environmental Health Division*

11. Water Rights Issues

INTERA has completed hydrologic analyses and historical records research in support of the transfer of ownership of water rights along with preparing declarations, applications for permits to drill and to appropriate water, and changes in purpose or place of use. In addition to these routine tasks, INTERA has developed some of the most comprehensive inventories of water rights for agencies such as the OSE and the New Mexico Department of Transportation. In addition, on a task led by Mr. Castiglia, INTERA worked with Mr. Fernando Ortiz of the City to design and develop the Las Cruces Utilities water rights geodatabase. Having automated the water rights evaluation process for the OSE District I Office, we approach a water right evaluation by leveraging the remote sensing data in GIS that would be used by the District IV Office of the OSE to act on the water right application. By overlaying the imagery for each year, we quantify in GIS the area where water has been put to beneficial use sufficient for passing the OSE evaluation criteria for proving a water right. Having evaluated over a thousand water rights in the Middle Rio Grande and Lower Rio Grande Basins, INTERA will be able to efficiently and effectively support the City of Las Cruces in managing and protecting water right assets.

12. Expert Witness Services on Hydrology, Hydrogeology, and Water Resource Studies

Ms. Ardito and Mr. Jordan have prepared technical reports and sworn expert witness testimony in legal proceedings that involve groundwater contamination, water-rights transactions, and impairment. Recent examples include:

- Ms. Ardito has served as an expert witness in ongoing litigation involving water rights and water quality impacts. As an expert witness for New Mexico Water Service Company's petition to address water rights and availability before the New Mexico Public Regulatory Commission, Ms. Ardito provided an expert opinion on the amount of water available for development in the aquifers in question. The opinion supported the successful outcome of the hearing for her client. To evaluate potential impacts to a third party in an area with multiple leaking underground storage tanks, Ms. Ardito led the technical work in support of the litigation, critiqued the opposing expert opinions, and submitted her expert opinion. The parties have settled on portions of the case, but other aspects are still ongoing.
- Mr. Jordan has served as an expert for an analysis of two major irrigation districts on a major stream system in the western United States. In support of this case, he applied remote-sensing based analyses to evaluate

irrigation and depletion trends over time, and related those to changes in irrigation water management on the stream system. This was the first analysis of its kind to be performed on these major irrigation districts. He has also served as a technical expert in water rights transfer cases before the OSE and provided environmental defense and support for a potentially responsible party (PRP) in methyl tertiary butyl ether (MTBE) contamination in Charnock Wellfield in southern California.

13 & 14. Technical Support for Water Regulation and Water Regulatory Matters

Having successfully completed technical work to demonstrate compliance with groundwater and surface water quality standards in New Mexico, INTERA can provide technical assistance to the City for a variety of water regulatory matters. One of the more complex water regulatory processes in New Mexico is gaining Water Quality Control Commission approval of a petition for alternative abatement standards, where the State makes exception to the standards for groundwater of less than 10,000 mg/L TDS concentration or less (20.6.2.3102 NMAC) by following a rigorous process prescribed by 20.6.2.4103 NMAC. Having successfully completed this process for a site in New Mexico, INTERA offers the City in-depth expertise on evaluating present and future hazard to public health or undue damage to property to meet state regulations. As an example of experience with surface water regulations, Mr. Castiglia has developed predictive water quality models in support of the U.S. Army Corps operations of the Rio Grande in support of evaluating changes in water operations on federally-operated facilities in the Rio Grande basin above Fort Quitman, Texas. Through our ongoing work for the Water Authority being led by Mr. Jordan with support from Ms. Tinklenberg, INTERA has direct experience with the specific drinking water standards of concern to municipal water managers in New Mexico and how operations can influence compliance with those standards.

15. Reclaimed Water Studies

One of the nation's highest profile reclaimed water projects is Los Angeles County, California's Alamitos Barrier Project. The Alamitos Barrier consists of a set of injection wells that helps protect the Central Basin, one of Los Angeles County's largest groundwater basins, from seawater intrusion. The injection water consists of water from a municipal supply mixed with reclaimed water that has undergone microfiltration, reverse osmosis and disinfection. To optimize the operation of the barrier, Mr. Jordan led an INTERA team that developed groundwater flow and transport models to (1) help assess the flow of reclaimed water away from the barrier towards inland production wells, (2) model the transport of chloride near the barrier, and (3) evaluate the efficacy of the barrier by simulating alternative operations scenarios. To complete this work, INTERA defined the 13 hydrogeologic units based on extensive review of existing data including soil boring-data and electric log picks, estimating hydraulic properties for the various hydrogeologic units, creating contour maps of water levels from the previous decade and assessing water level trends in the region, and evaluating chloride concentrations in the region. With this information, INTERA developed a water balance for the site, a groundwater flow model, and a solute transport model to predict the movement of reclaimed water. Using INTERA's work, along with an extensive public outreach campaign, our client was able to successfully gain public and regulatory support for this high-profile reclaimed water study in one of the most populated regions of the Country. Based on this experience, INTERA offers the City expertise in developing critical decision-making tools for reclaimed water studies.

16. Technical and/or Institutional Issues Associated with Water Rights Adjudications

Having served in staff augmentation roles for the OSE, Mr. Castiglia and Ms. Tinklenberg helped the State of New Mexico to evaluate every water right within the Middle Rio Grande Basin in support of an anticipated water-right adjudication process for the basin. Following the prescribed process for adjudication, INTERA staff members have some of the most extensive water rights evaluation experience in support of adjudication outside the current and former employees of the OSE. Because of this specialized experience and our experience developing GIS-based tools to manage water rights assets, INTERA offers our clients technical expertise that will support the legal administrative process for water rights adjudications. In addition to internal, confidential studies for the OSE, we

have provided technical assistance in support of water rights adjudications for several law firms in New Mexico who represent private clients. Using this experience to your advantage, we offer a solid understanding of the adjudication process that will help the City to overcome technical or institutional issues during water rights transactions or adjudication.

17. Conducting research and other issues related to the OSE Hydrographic Survey

INTERA routinely works with OSE Hydrographic Survey data, and routinely interfaces with the Hydrographic Survey Bureau of the OSE. For a project related to water rights in the Carlsbad Irrigation District (CID) performed for the NM ISC, INTERA used information from the CID hydrographic survey to abstract and evaluate water-right priority to evaluate potential impacts of a priority call on the Pecos River. For our analysis of irrigated acreage, performed statewide for a variety of entities, we commonly use mapping data developed by the Hydrographic Survey Bureau to analyze historical irrigated acreages. For analysis of water rights, INTERA researches and evaluates historical hydrographic survey data to establish historic irrigation and water-use patterns in support of water-rights declarations.

List of Subcontractors

INTERA has sub-contracted specialized services including drilling, analytical and mechanical services from all across New Mexico and the Southwestern United States. Following the identification of each assignment, INTERA will recommend subcontractors to the City based on the service need and the value offered by each subcontractor.

4. PERFORMANCE WITH PREVIOUS CLIENTS

INTERA has successfully completed hundreds of projects involving hydrology, hydrogeology, and water resource services. We have included in the following table a contact name, organization, address, and telephone number for five references who can and are willing to discuss our capacity and capability to successfully perform on their projects. We are proud of our project accomplishments and welcome the City to contact the following references to verify our track record of proven performance.

Table 3. References for Previous Performance

Name	Project/Client	Phone/Email	Scope of Work
Stephen Wust (retired)	Santa Fe Groundwater Availability / Santa Fe County Utilities Department	505-231-0073 / stevewust@cybermesa.com	Section 2, Project Description #8
Guy Bralley (retired)	Groundwater Resources Development / Sandoval County	505-867-7628 / guybralley@yahoo.com	Section 2, Project Description #3
Dr. Nabil Shafike	New Mexico Interstate Stream Commission	505-764-3866 / nabil.shafike@state.nm.us	Evaluated historical irrigated acreages
John Stomp	Assessment of Remediation Alternatives (#4) / ABCWUA	505-768-3631 jstomp@abcwua.org	Section 2, Project Description #4
Dr. Peggy Barroll	New Mexico Office of the State Engineer (OSE)	505-827-6133 / peggy.barroll@state.nm.us	Groundwater modeling and analysis of irrigated acreage

5. FIRM'S PROJECTS

INTERA's vision of ***Delivering Excellence with Every Solution*** almost always pertains to water projects, , for all types of clients and projects including federal, state, and municipal governments and commercial and industrial clients. Approximately 95% of INTERA's projects pertain to hydrology, hydrogeology, and water resources, and INTERA's projects include all of the topics that the City has highlighted as potential project scopes. INTERA's experience on wastewater regulatory projects is not as extensive, and therefore was not included as a proposed topic item.

The RFP Compliance Declaration Form is included as Attachment A, INTERA's proof of insurance is included as Attachment B, and INTERA's New Mexico Taxation and Revenue Certificate is included as Attachment C.

ATTACHMENT A

RFP Compliance Declaration

(Completed and Signed)

City of Las Cruces
PEOPLE HELPING PEOPLE

RFP COMPLIANCE DECLARATION

RFP TITLE: Hydrology, Hydrogeology, and Water Resources Services

RFP NO.: 14-15-007

DUE DATE/TIME: July 10, 2014 / 4:00 p.m.

In compliance with the requirements of this RFP, I, the undersigned, offer and agree to furnish any or all materials and/or services to the City of Las Cruces within the time agreed.

I further certify that this company has not been debarred, suspended, or otherwise made ineligible for participation in Federal Assistance programs under Executive Order 12549 Debarment and Suspension as described in the Federal Rules and Regulations.

Receipt of Addenda Nos. 0 is hereby acknowledged (where none received, place a zero in this space)

Company Name and Address:
INTERA Incorporated
6000 Uptown Blvd NE, Suite 220
Albuquerque, NM 87110

Authorized Signature
Cynthia P. Ardito
Typed or Printed Name
Executive Vice President, Southwest Division
Title
cardito@intera.com
Email

Telephone number 505-246-1600 Fax number 505-246-2600

NM Tax & Revenue Dept. CRS # 02-480923-00-3

Current NM Public Regulatory Commission Registration # 2197770 (corporations only)

Current CLC Business Registration # Not Applicable (respondents located in Las Cruces only)

Federal I.D. number 74-3010638 (mandatory for all respondents)

NM Resident Certificate from NM Tax and Revenue Department enclosed X Yes ____ No

THIS FORM MUST BE COMPLETED AND INCLUDED WITH PROPOSAL
FAILURE TO INCLUDE WILL SUBJECT RESPONSE TO REJECTION

ATTACHMENT B

Proof of Insurance

(City of Las Cruces listed as the Certificate Holder)

Client#: 914933 INTERINC22

ACORD™ CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 7/09/2014

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME: Loyce Baxter
USI Insurance Services LLC 7600B N Capital of Texas Hwy, #200 Austin, TX 78731	PHONE (A/C, No, Ext): FAX (A/C, No): E-MAIL ADDRESS: loyce.baxter@usi.biz

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A: Aspen Specialty Insurance Co	10717
INSURER B: Hartford Ins Co of the Midwest	37478
INSURER C: Sentinel Insurance Company Ltd.	11000
INSURER D:	
INSURER E:	
INSURER F:	

INSURED
Intera Inc.
1812 Centre Creek Dr, Ste 300
Austin, TX 78754

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR X Pollution Liability X BI/PD Ded: $10,000 GEN'L AGGREGATE LIMIT APPLIES PER X POLICY PRO-JECT LOC			ERAE3AH14	03/29/2014	06/01/2015	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$1,000,000 $300,000 $25,000 $1,000,000 $2,000,000 $2,000,000 $
C	AUTOMOBILE LIABILITY X ANY AUTO ALL OWNED AUTOS X HIRED AUTOS SCHEDULED AUTOS X NON-OWNED AUTOS			65UECAP3286	10/01/2013	10/01/2014	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$1,000,000 $ $ $ $
A	UMBRELLA LIAB X OCCUR X EXCESS LIAB CLAIMS-MADE DED RETENTION $			EXAE3AK14	03/29/2014	06/01/2015	EACH OCCURRENCE AGGREGATE	$6,000,000 $6,000,000 $
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N N If yes, describe under DESCRIPTION OF OPERATIONS below	N/A		65WEZS2380	10/01/2013	10/01/2014	X WC STATU-TORY LIMITS OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$1,000,000 $1,000,000 $1,000,000
A	Professional Liability			ERAE3AH14	03/29/2014	06/01/2015	$2,000,000 Aggregate $1,000,000 Occurrence $100,000 Deductible	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
NOTE: The $6,000,000 Excess policy (#EXAE3AK14) sits over the General Liability, Pollution Liability and Professional Liability limits.

CERTIFICATE HOLDER	CANCELLATION
City of Las Cruces Attn: Purchasing Department/Bid Clerk PO Box 20000 Las Cruces, NM 88004	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE J.W. Wagner

© 1988-2010 ACORD CORPORATION. All rights reserved.

ATTACHMENT C

New Mexico Taxation and Revenue Certificate

(To satisfy Resident Preference Requirement)

STATE OF NEW MEXICO TAXATION AND REVENUE DEPARTMENT

REGISTRATION CERTIFICATE

Date ID Issued	IDENTIFICATION NUMBER	Business Start Date
07-Dec-2001	02-480923-00-3	31-Dec-2001
Business Location		Business End Date
1812 CENTRE CREEK DR STE 300		
City and State		Zip Code
AUSTIN, TX		78754-5153
Taxpayer Name		Taxpayer Type
ACCENTERA INCORPORATED		CORPORATION
Firm Name		Filing Frequency
INTERA INCORPORATED		MONTHLY
Mailing Address		
1812 CENTRE CREEK DR UNIT 300		
City and State		Zip Code
AUSTIN, TX		78754-5153

This Registration Certificate is issued pursuant to Section 7-1-12 NMSA 1978 for Gross Receipts, County Gross Receipts, Municipal Gross Receipts, Compensating and Withholding Taxes. This copy must be displayed conspicuously in the place of business. Any purchaser of the registrant's business is subject to certain requirements under Section 7-1-61 NMSA 1978.

Audit and Compliance Division Director

By Phillip Salazar

Any inquiries concerning your Identification Number should be addressed to the Audit & Compliance Division, P.O Box 630, Santa Fe, New Mexico 87504-0630

Form Revised 02/2003

THIS CERTIFICATE IS NOT TRANSFERABLE

STATE OF NEW MEXICO

TAXATION AND REVENUE DEPARTMENT

RESIDENT BUSINESS CERTIFICATE

Issued to: **INTERA INCORPORATED**

DBA: **INTERA INCORPORATED**
1812 CENTRE CREEK DR STE 300
AUSTIN, TX 78754-5153

Expires: **20-Feb-2017**

Certificate Number:

L1002982864

Demesia Padilla

Demesia Padilla, CPA, Cabinet Secretary

THIS CERTIFICATE IS NOT TRANSFERABLE