

SAN ANTONIO WATER SYSTEM PURCHASING DEPARTMENT

Issued By: D. Anthony Rubin
BID NO.: 19-7031

Date Issued: March 7, 2018

FORMAL INVITATION FOR BIDS
ANNUAL CONTRACT FOR WELL MAINTENANCE SERVICES
ADDENDUM NO. 1

Sealed bids addressed to the Purchasing Director, San Antonio Water System, 2800 US Hwy 281 North, Administration Bldg., 5th Floor, San Antonio, TX 78212 will be received until **3:00 p.m., March 13, 2018** and then publicly opened and read aloud for furnishing materials or services as described herein below,

The San Antonio Water System Purchasing Department is willing to assist any bidder(s) in the interpretation of bid provisions or explanation of how bid forms are to be completed. Assistance may be received by visiting the Purchasing Office in the SAWS Main Office, 2800 US Hwy 281 North, San Antonio, TX 78212, or by calling (210) 233-3819.

(Contractor's Insurance Requirements Attached)
(Bid Bond, Performance Bond & Payment Bond Required)

This invitation includes the following:

Invitation for Bids
Terms and Conditions of Invitation for Bids

Specifications and General Requirements
Price Schedule

The undersigned, by his/her signature, represents that he/she is authorized to bind the Bidder to fully comply with the Specifications and General Requirements for the amount(s) shown on the accompanying bid sheet(s). By signing below, Bidder has read the entire document and agreed to the terms therein.

Signer's Name: _____ Firm Name: _____
(Please Print or Type)

Address: _____

Signature of Person Authorized to Sign Bid _____ City, State, Zip Code: _____

Email Address: _____ Telephone No.: _____

Fax No.: _____

Please complete the following:

Prompt Payment Discount: _____% _____days. (If no discount is offered, Net 30 will apply.)

Please check the following blanks which apply to your company:

Ownership of firm (51% or more):

Non-minority Hispanic African-American Other Minority (specify) _____

Female Owned Handicapped Owned Small Business (less than \$1 million annual receipts or 100 employees)

Indicate Status: Partnership Corporation Sole Proprietorship Other (specify) _____

Tax Identification Number: _____

To report suspected ethics violations impacting the San Antonio Water System, please call 1-800-687-1918.

This **Addendum no. 1** is being issued to respond to question submitted, and revise the Price Schedule. The following changes are being made to bid no. 19-7031 Annual Contract for Well Maintenance Services.

Question submitted for the Annual Well Maintenance Contract:

Specifications or Scope of Work

F: Installation, Removal and Assembly Specifications

7. During pump installation and/or removal, the Contractor shall be responsible for securing and capping the well with a blind flange to be provided by Contractor

Q1: In place of blind flange will Contractor be allowed to use a “homemade” well plate that is bolted or welded to well casing to secure and cap the well?

SAWS Response - SAWS prefers a blind flange.

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Group A: Pump Pulling and Installation

B: Items 1-3: Pulling and Installing of Small (2”-6”), Medium (8”-14”), and Large (16” and Larger) Pumps

3. Mobilization and Demobilization is considered incidental to the Pull or Install bid price and shall include planning the work, transporting and setting up equipment, teardown and transporting the well pump to and from SAWS well facilities, final site restoration / clean-up to as found conditions, and demobilization. A 100,000pound rig with a three-man crew is the minimum required for pump pulling activities.

Q2: Contractor typically basis the size of rig and crew needed on the size of equipment being extracted from well. Would this be acceptable, or is the above a requirement on all well pumps to be serviced under this contract?

SAWS Response – SAWS prefers to stick with the contractual minimum requirement for pulling activities.

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Group A: Pump Pulling and Installation

C: Item 4: Well Mudding Services

2. Mobilization (and demobilization), of mixing equipment and tanks is an incidental cost to plan work, transport and setup equipment, teardown and transport off site and final cleanup for the removal of materials at each site. All equipment shall be designed for, and previously used ONLY on, potable water application. Use of rigs used in oil field, natural gas, fracking applications, or other industrial uses IS STRICTLY PROHIBITED.

Q3: Please confirm that in the event a well requires mudding services that all EQUIPMENT used needs to be designed for, and ONLY previously used only on, potable water application. If this is a requirement please reference approved SAWS vendor for Well Mudding Services.

SAWS Response – Yes. Mudding equipment used for oil field applications are strictly prohibited.

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Group A: Pump Pulling and Installation

I: Items 10: Fishing for Pump, Column, or Parts

This items is for the labor and equipment rental to fish pump, column pipe and other miscellaneous parts and debris from the well, as required by SAWS. This unit price per hours assumes that the mobilization and demobilization charge for the rig identified under Items 1-3 for the small, medium and large pumps has already been paid to the Contractor.

Q4: Can a separate line items be added for equipment rental and/or manufacturing of tooling needed an attempt to remove debris from the well? Contractor is requesting this due to the unknowns as to what type of equipment or tooling may be needed when fishing services are provided and are typically on a case by case basis.

SAWS Response –SAWS will add a line item for special Fishing tool rental. It will allow for tool rental cost plus contractor mark-up. Tool fabrication falls under labor for fishing.

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Group A: Pump Pulling and Installation

J: Items 11: Scratching and Cleaning

This item is for the labor and equipment rental to scratch well casing surface with a steel wire brush and the cleaning and removal of debris from the well, as required by SAWS. This unit price per square foot (SF) assumes that the mobilization and demobilization charge for the rig identified under Items 1 – 3 for the small, medium and large pumps has already been paid to the Contractor.

Q5: Is Contractor to assume when bidding Items 1-3 that we must include enough cost to cover mobilization and demobilization of additional labor and equipment rental needed to scratch well casing surface with a steel wire brush and the cleaning and removal of debris at all SAWS well facilities.

SAWS Response – No. SAWS is revising payment for Scratching to be hourly. Tool/Equipment rental for scratching must be included in the extended hourly rate. It is assumed that the mobilization and demobilization charge for scratching is already identified under Items 1 – 3.

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Group A: Pump Pulling and Installation

K: Items 12: Blockage Removal

This items is for the labor and equipment rental to remove blockage (obstructions) from the well, as required by SAWS. This unit price per hours assumes that the mobilization and demobilization charge for the rig identified under Items 1-3 for the small, medium and large pumps has already been paid to the Contractor.

Q6: Is this assuming a pump rig will be acceptable to jet or push through to remove blockage?

SAWS Response – Yes.

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Group C: Submersible Pump and Motor Repair

B: Items 5 and 6: Repair Shop Labor

4. If a subcontractor is used, Price Schedule must reflect the subcontractor’s hourly rate with no additional mark-up by the Contractor.

Q7: Due to Contractor selling equipment to end user and the possibility of having to cover future expenses under warranty on this item, will a maximum mark-up be added to this line item?

SAWS Response: Items 5 and 6 are for repair shop labor only. Parts should be included in the appropriate line item with the extended % markup.

Group C: Submersible Pump and Motor Repair

D: Item 9: Shipping Cost (if needed)

This items covers the round trip cost of shipping the submersible pump / motor unit to a subcontractor and back to SAWS facilities, if applicable. If the work in this Group will be self-performed, additional shipping cost will not apply and this line item on the Price Schedule should be \$0.

Q8: Please supply a list of equipment such as manufacturer and size to accurately quote, as shipping is based on size, weight and mileage being shipped.

SAWS Response: This list is not readily available. All pump/motor combinations can be hauled on a mid-size 3-ton flatbed truck. Largest submersible pump/motor is 7000 GPM/600 HP (very few this size), smallest is 300 GPM/50 HP, average size submersible is 1500 GPM/200 HP.

Group D: Well pump and Component Replacement

B: Item 2: Submersible Well Motors

1. Water Filled Submersible Motor

G. The splice between the motor lead and power cable shall be performed by factory or vendor authorized service technician. The splice must meet NEC code requirements.

Q9: Please clarify if this is for all splices, or if splices may be made in the field by a Licensed Pump Installer.

SAWS Response – the motor lead connection should be the only allowable cable splice on SAWS submersible pump cables. ALL cable splices must be performed by a factory or vendor authorized service technician and must meet NEC code requirements.

Group D: Well pump and Component Replacement

B: Item 2: Submersible Well Motors

1. Oil Filled Submersible Motor

D. The motor shall be filled with a high dielectric strength mineral oil USDA/FDA and/or NSF approved food grade. Bronze or graphite sleeve bearings shall be provided at each end of the rotor and a pivot shoe Kingsbury type thrust bearing shall carry the weight of all rotating parts and the hydraulic down- and up-thrust of the pump. Motor shall provide for internal and external pressure equalization, either hydrostatically balanced or enclosed type with diaphragm. If hydrostatically balance, the motor hydrostatic balance shall be done at the time of installation by a factory trained field service technician.

Q10: When hydrostatically balancing an oil field submersible motor in the field. Is it required to be a factory trained field service technician or may a Licensed Pump Installer be acceptable?

SAWS Response – the motor hydrostatic balance must be done at the time of installation by a factory trained field service technician.

Group D: Well pump and Component Replacement

B: Item 2: Submersible Well Motors

1. Oil Filled Submersible Motor

E. The splice between the motor lead and power cable shall be performed by factory or vendor authorized service technician. The splice must meet NEC code requirements.

Q11: Please clarify if this is for all splices, or if splices may be made in the field by a Licensed Pump Installer?

SAWS Response – the motor lead connection should be the only allowable cable splice on SAWS submersible pump cables. ALL cable splices must be performed by a factory or vendor authorized service technician and must meet NEC code requirements.

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Group D: Well pump and Component Replacement

F: Item 4: Power Cable

1. The power cable shall be flat, shielded, 5 KV, with three separate conductors and a ground (3C/G), in a continuous jacketed assembly. The insulation shall be water and oil resistant, and suitable for continuous immersion and approved for potable water use.

Q12: Please confirm if this is a requirement for all power cable required on all well pump to be serviced under this contract?

SAWS Response – Yes, this is for all cables.

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Q13: What is the annual amount for services requested on this contract?

SAWS Response: approximately \$1.25 million per year.

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According to the attached documents, a Performance Bond of \$100,000 and a Payment Bond of \$50,000 will be required if we are awarded the contract. However, the sample performance and payment bonds on the last 2 pages of the attached contain the language “Penalty of this Bond must be 100% of Contract Award.”

Q14: My question is this: since the Performance Bond is going to be \$100,000 and the Payment Bond is going to be \$50,000, does the statement “Penalty of this Bond must be 100% of Contract Award” need to be on the Performance and Payment Bonds?

SAWS Response: The Samples that are provided are there to convey what the successful bid will have to provide when the contract is awarded. The only document that need to be submitted with the bid is the **bid bond** and a letter for your surety saying that your company if awarded the contract can meet the bound requirements.

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Q15: Some SAWS facilities may require the use of a crane to access wells/pumps or possible be inside buildings. With that stated will SAWS add a line item for the rental of a crane per hour for these scenarios?

SAWS Response – Yes. SAWS will add a line item for crane rental. It will allow for rental cost plus contractor mark-up.

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Group B: Well Pump Repair

C: Items 4: Pump Parts and Materials

6. An annual estimate has been included in the Price Schedule for the purchase of pump parts, components, and materials incidental to pump repairs under the contract. Mark up shall be expressed as a percentage (%).

Q16: Will SAWS raise the maximum mark-up be raised for this item?

SAWS Response – No. Max markup will not change.

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Q17: There are no bid items to address pulling well pumps under abnormal conditions and procedures such as separated column pipe, stuck pumps, etc. There needs to be a bid item for this at an hourly rate?

SAWS Response – Additional payment for special cases will be considered on a case by case basis. No additional line items will be added.

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Q18: Can the normal working hours be extended to 7:00 am – 5:00 pm from 7:00 am – 3:30 pm?

SAWS Response – No. Normal working hours will not change.

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Q19: Do all of the well sites have all weather access roads? If not, how will the contractor be compensated if temporary matting needs to be utilized?

SAWS Response – There are some sites that may be tough to access during exceptionally wet weather. In most cases SAWS will be able to assist. Additional payment for any required matting will be considered on a case by case basis. No additional line items will be added.

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Q20: Can the blind flanges be home made for well covers?

SAWS Response - SAWS prefers a blind flange.

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Q21: There needs to be a bid item for the contractor be compensated for transporting salvageable materials back to SAWS?

SAWS Response – A line item will be added for Transport charges to deliver salvageable materials SAWS elects to keep. Contractor will be responsible for disposing of all other materials they remove before the end of the job. It is assumed that cost associated with disposal will be included in Group D Well Pump and Component Replacement costs.

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Q22: There needs to be a separate bid item for traffic control. Otherwise bidders will need to add contingency cost into the bid items for this whether it will be necessary or not?

SAWS Response – No separate line item for traffic control will be included. It is assumed that cost associated with any traffic control will be included in Contractor contingency or in Mob/Demob costs in Group A Pump Pulling and Installation.

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Q23: Is water available at all sites if needed for camera surveys?

SAWS Response – Yes.

Q24: For scratching and cleaning there needs to be a separate bid item for mobilization and demobilization of the workover pipe, air compressor, etc?

SAWS Response –SAWS is revising payment for Scratching to be hourly. Tool/Equipment rental for scratching must be included in the extended hourly rate. It is assumed that the mobilization and demobilization charge for scratching is already identified under Items 1 – 3. No other line item for scratching will be added.

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Q25: Wire scratching and cleaning needs to be by the hour, not by the square foot. The well diameter is irrelevant to the rig, crew, pipe, and brush?

SAWS Response –No. SAWS is revising payment for Scratching to be hourly. Tool/Equipment rental for scratching must be included in the extended hourly rate. It is assumed that the mobilization and demobilization charge for scratching is already identified under Items 1 – 3.

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Q26: In reference to Group C: Submersible Pump and Motor Repair, E. Item 9: Shipping Costs – Shipping costs should apply whether or not it is self-performed or if a 3rd party is utilized?

SAWS Response – Self performed delivery/shipping cost needs to be included in shop repair and labor cost. No additional line item will be added for self-performed shipping.

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Q27: If we determine that we cannot meet the minority participation goal of 19% what are the consequences?

SAWS Response – For this bid the Good Faith Effort Plan (GFEP) is not used for scoring purposes. It does need to be completed regardless of any company ability to meet the aspirational participation goals.

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Q28: Can there be a minimum footage depth for TV surveys and logging?

SAWS is revising payment for video logging to a per video log basis. Contractors will be paid the extended price for each camera survey performed.

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Q29: In reference to Fishing for Pump, Column, or Parts there needs to be a separate bid item for mobilization and demobilization of the workover pipe, fishing tools,etc?

SAWS Response – Yes. SAWS will add a line item for special Fishing tool rental. It will allow for rental cost plus contractor mark-up.

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Q30: In reference to Fishing for Pump, Column, or Parts there should be a separate cost plus bid item for fishing tool rentals. This cost could vary widely depending on what tools would be required?

SAWS Response – Yes. SAWS will add a line item for special Fishing tool rental. It will allow for rental cost plus contractor mark-up.

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Q31: Will there be any retainage withheld from payments to the contractor?

SAWS Response – This is a contract for well maintenance services for invoice payment refer to paragraph 11 titled "INVOICING, PAYMENT AND DISCOUNTS".

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Q32: Can you please provide a list of current plant facilities with pumping stations?

SAWS Response: SAWS has 33 Primary Pump Stations in our service area with approximately 150 wells. The Twin Oaks ASR Facility has 47 wells. . The plant facilities and pumping stations will be provided upon award of this service contract.

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General Requirements, K. Salvageable Material, page 24 of 58 - Replace the paragraph in its entirety with the following,

K. SALVAGEABLE MATERIAL

SAWS has first rights to all salvageable materials removed by the contractor. Salvageable materials that SAWS elects to keep shall be relocated and stored by the Contractor at SAWS Marbach Pump Station located at 7614 Marbach Rd., San Antonio, TX 78227. The Contractor shall maintain all equipment to be salvaged in the same condition as when it was removed. The Contractor will be compensated for any SAWS directed transportation of salvageable materials. The Contractor will also be responsible for disposing of any salvage materials SAWS does not elect to keep before the end of the job. Under no circumstances will the Contractor be allowed to leave any materials at the well sites.

II. GROUP A: PUMP PULLING AND INSTALLATION

A. Pump Pulling and Installation, page 24 of 58 – Execution of Work – Add Jetting, Crane Services, Salvage Transport, and Tool Rental for Fishing and Blockage Removal to the list of items.

E. Item 6: Well Video Log, page 25 of 58 – Replace the last sentence in its entirety with the following, “Bid pricing shall be on a per camera survey basis (EA) and shall include travel time to and from the well site.”

J. Item 11: Scratching and Cleaning, page 26 of 58 – Replace the last sentence in its entirety with the following, “This unit price per hour (HR) assumes that the mobilization and demobilization charge for the rig identified under Items 1 - 3 for the small, medium and large pumps has already been paid to the Contractor.”

Add the following on page 26 of 58 after L. Item 13 Casing Repair,

M. Items 14: Jetting

This item is for the labor and equipment rental to jet the well casing screen and the cleaning and removal of debris from the well, as required by SAWS. This unit price per hour (HR) assumes that the mobilization and demobilization charge for the rig identified under Items 1 - 3 for the small, medium and large pumps has already been paid to the Contractor.

N. Items 15: Crane Services

This item is for the crane rental services to remove pumps and blockage (obstructions) from well that are not accessible with a well rig. The amount indicated in the Quantity column on the Price Schedule is an annual estimate. The Extended Price on the Price Schedule shall equal the annual estimate plus the Contractor's mark-up. Mark-up shall be expressed as a percentage (%).

O. Items 16: Salvage Transport

This item is for labor and associated cost to transport salvageable materials to SAWS Marbach Pump Station. The amount indicated in the Quantity column on the Price Schedule is an annual estimate. This unit price per hour (HR) includes labor and other associated costs to transport SAWS directed salvageable materials to the SAWS Marbach Pump Station located at 614 Marbach Rd., San Antonio, TX 78227. This item is only for salvage transport.

P. Items 17: Tool Rental for Fishing and Blockage Removal

This item is for special tool rental cost associated with fishing and blockage removal activities. The amount indicated in the Quantity column on the Price Schedule is an annual estimate. The Extended Price on the price Schedule shall equal the annual estimate plus the Contractor's mark-up. Mark-up shall be expressed as a percentage (%). This item is only for special tool rental. This unit price assumes that cost for all labor, equipment, and equipment rental required for fishing and blockage removal are included in items 10 Fishing for Pump, Column, or Parts, and Items 12: Blockage Removal.

Price Schedule, page 37 of 58, - Replace the Price Schedule in its entirety with the version provided in this Addendum.

IT IS NECESSARY TO RETURN THIS ADDENDUM TOGETHER WITH YOUR BID.

Item No.	PRICE SCHEDULE FIRST YEAR BASE PERIOD Description	Qty.	Unit	Unit Price or % Mark- Up	Extended Price
Group A – Pump Pulling and Installation					
1	Pull or Install (per foot of column) – Small Pumps (2”-6”)	6000	FT	\$	\$
2	Pull or Install (per foot of column) – Medium Pumps (8”-14”)	8000	FT	\$	\$
3	Pull or Install (per foot of column) – Large Pumps (>16”)	1000	FT	\$	\$
4	Well Mudding Services	\$150,000	/YR	%	\$
5	Well Bailing	40	HR	\$	\$
6	Well Video Log	20	EA	\$	\$
7	Well Geophysical Survey	1200	FT	\$	\$
8	Dekoron Airline Installation	1000	FT	\$	\$
9	Miscellaneous Parts (mark-up not to exceed 15%)	\$80,000	/YR	%	\$
10	Fishing for Pump, Column, or Parts	120	HR	\$	\$
11	Scratching	100	HR	\$	\$
12	Blockage Removal	200	HR	\$	\$
13	Casing Repair (mark-up not to exceed 15%)	\$40,000	/YR	%	\$
14	Jetting	100	HR	\$	\$
15	Crane Rental (mark-up not to exceed 15%)	\$15,000	/YR	%	\$
16	Salvage Transport	15	HR	\$	\$
17	Tool rental for Fishing and Blockage Removal	\$10,000	/YR	%	\$
SUBTOTAL (Group A)					\$
Group B – Well Pump Repair					
1	Pump Teardown and Inspection (all sizes)	20	EA	\$	\$
2	Pump Repair Shop Labor – Regular Time	250	HR	\$	\$
3	Pump Repair Shop Labor – Overtime	20	HR	\$	\$
4	Pump Parts and Materials	\$100,000	/YR	%	\$
5	Line Shaft Replacement	\$40,000	/YR	%	\$
6	Line Shaft Bearings	\$40,000	/YR	%	\$
7	Column Pipe and /or Pump Coating	5,000	SF	\$	\$
8	Bid Mark-ups	\$50,000	/YR	%	\$
SUBTOTAL (Group B)					\$
Group C – Submersible Pump and Motor Repair		Identify subcontractor, if applicable:			
1	Motor Teardown and Inspection – 8” Diameter Frame	2	EA	\$	\$
2	Motor Teardown and Inspection – 10”-12” Diameter Frame	2	EA	\$	\$
3	Motor Teardown and Inspection – 14”-16” Diameter Frame	2	EA	\$	\$
4	Motor Teardown and Inspection – 18” Diameter Frame	1	EA	\$	\$
5	Repair Shop Labor – Regular Time	150	HR	\$	\$
6	Repair Shop Labor – Overtime	20	HR	\$	\$
7	Pump and Submersible Motor Unit Test	2	EA	\$	\$

8	Motor Parts and Materials	\$100,000	/YR	%	\$
9	Shipping Costs (Round Trip)	10	trips	\$	\$
SUBTOTAL (Group C)					\$
Group D – Well Pump and Component Replacement (mark-ups not to exceed 20%)					
1	Well Pumps	\$200,000	/YR	%	\$
2	Well Motors	\$200,000	/YR	%	\$
3	Column Pipe, Discharge Head, and other Components	\$60,000	/YR	%	\$
4	Power Cable	\$50,000	/YR	%	\$
SUBTOTAL (Group D)					\$
FIRST YEAR BASE PERIOD TOTAL CONTRACT AMOUNT (Groups A, B, C and D)					\$

Item No.	PRICE SCHEDULE OPTION YEAR 1 Description	Qty.	Unit	Unit Price or % Mark- Up	Extended Price
Group A – Pump Pulling and Installation					
1	Pull or Install (per foot of column) – Small Pumps (2”-6”)	6000	FT	\$	\$
2	Pull or Install (per foot of column) – Medium Pumps (8”-14”)	8000	FT	\$	\$
3	Pull or Install (per foot of column) – Large Pumps (>16”)	1000	FT	\$	\$
4	Well Mudding Services	\$150,000	/YR	%	\$
5	Well Bailing	40	HR	\$	\$
6	Well Video Log	20	EA	\$	\$
7	Well Geophysical Survey	1200	FT	\$	\$
8	Dekoron Airline Installation	1000	FT	\$	\$
9	Miscellaneous Parts (mark-up not to exceed 15%)	\$80,000	/YR	%	\$
10	Fishing for Pump, Column, or Parts	120	HR	\$	\$
11	Scratching	100	HR	\$	\$
12	Blockage Removal	200	HR	\$	\$
13	Casing Repair (mark-up not to exceed 15%)	\$40,000	/YR	%	\$
14	Jetting	100	HR	\$	\$
15	Crane Rental (mark-up not to exceed 15%)	\$15,000	/YR	%	\$
16	Salvage Transport	15	HR	\$	\$
17	Tool rental for Fishing and Blockage Removal	\$10,000	/YR	%	\$
SUBTOTAL (Group A)					\$
Group B – Well Pump Repair					
1	Pump Teardown and Inspection (all sizes)	20	EA	\$	\$
2	Pump Repair Shop Labor – Regular Time	250	HR	\$	\$
3	Pump Repair Shop Labor – Overtime	20	HR	\$	\$
4	Pump Parts and Materials	\$100,000	/YR	%	\$
5	Line Shaft Replacement	\$40,000	/YR	%	\$
6	Line Shaft Bearings	\$40,000	/YR	%	\$
7	Column Pipe and /or Pump Coating	5,000	SF	\$	\$
8	Bid Mark-ups	\$50,000	/YR	%	\$
SUBTOTAL (Group B)					\$
Group C – Submersible Pump and Motor Repair Identify subcontractor, if applicable:					
1	Motor Teardown and Inspection – 8” Diameter Frame	2	EA	\$	\$
2	Motor Teardown and Inspection – 10”-12” Diameter Frame	2	EA	\$	\$
3	Motor Teardown and Inspection – 14”-16” Diameter Frame	2	EA	\$	\$
4	Motor Teardown and Inspection – 18” Diameter Frame	1	EA	\$	\$
5	Repair Shop Labor – Regular Time	150	HR	\$	\$
6	Repair Shop Labor – Overtime	20	HR	\$	\$
7	Pump and Submersible Motor Unit Test	2	EA	\$	\$

8	Motor Parts and Materials	\$100,000	/YR	%	\$
9	Shipping Costs (Round Trip)	10	trips	\$	\$
SUBTOTAL (Group C)					\$
Group D – Well Pump and Component Replacement (mark-ups not to exceed 20%)					
1	Well Pumps	\$200,000	/YR	%	\$
2	Well Motors	\$200,000	/YR	%	\$
3	Column Pipe, Discharge Head, and other Components	\$60,000	/YR	%	\$
4	Power Cable	\$50,000	/YR	%	\$
SUBTOTAL (Group D)					\$
OPTION YEAR 1 TOTAL CONTRACT AMOUNT (Groups A, B, C and D)					\$

Item No.	PRICE SCHEDULE OPTION YEAR 2 Description	Qty.	Unit	Unit Price or % Mark- Up	Extended Price
Group A – Pump Pulling and Installation					
1	Pull or Install (per foot of column) – Small Pumps (2”-6”)	6000	FT	\$	\$
2	Pull or Install (per foot of column) – Medium Pumps (8”-14”)	8000	FT	\$	\$
3	Pull or Install (per foot of column) – Large Pumps (>16”)	1000	FT	\$	\$
4	Well Mudding Services	\$150,000	/YR	%	\$
5	Well Bailing	40	HR	\$	\$
6	Well Video Log	20	EA	\$	\$
7	Well Geophysical Survey	1200	FT	\$	\$
8	Dekoron Airline Installation	1000	FT	\$	\$
9	Miscellaneous Parts (mark-up not to exceed 15%)	\$80,000	/YR	%	\$
10	Fishing for Pump, Column, or Parts	120	HR	\$	\$
11	Scratching	100	HR	\$	\$
12	Blockage Removal	200	HR	\$	\$
13	Casing Repair (mark-up not to exceed 15%)	\$40,000	/YR	%	\$
14	Jetting	100	HR	\$	\$
15	Crane Rental (mark-up not to exceed 15%)	\$15,000	/YR	%	\$
16	Salvage Transport	15	HR	\$	\$
17	Tool rental for Fishing and Blockage Removal	\$10,000	/YR	%	\$
SUBTOTAL (Group A)					\$
Group B – Well Pump Repair					
1	Pump Teardown and Inspection (all sizes)	20	EA	\$	\$
2	Pump Repair Shop Labor – Regular Time	250	HR	\$	\$
3	Pump Repair Shop Labor – Overtime	20	HR	\$	\$
4	Pump Parts and Materials	\$100,000	/YR	%	\$
5	Line Shaft Replacement	\$40,000	/YR	%	\$
6	Line Shaft Bearings	\$40,000	/YR	%	\$
7	Column Pipe and /or Pump Coating	5,000	SF	\$	\$
8	Bid Mark-ups	\$50,000	/YR	%	\$
SUBTOTAL (Group B)					\$
Group C – Submersible Pump and Motor Repair		Identify subcontractor, if applicable:			
1	Motor Teardown and Inspection – 8” Diameter Frame	2	EA	\$	\$
2	Motor Teardown and Inspection – 10”-12” Diameter Frame	2	EA	\$	\$
3	Motor Teardown and Inspection – 14”-16” Diameter Frame	2	EA	\$	\$
4	Motor Teardown and Inspection – 18” Diameter Frame	1	EA	\$	\$
5	Repair Shop Labor – Regular Time	150	HR	\$	\$
6	Repair Shop Labor – Overtime	20	HR	\$	\$
7	Pump and Submersible Motor Unit Test	2	EA	\$	\$

8	Motor Parts and Materials	\$100,000	/YR	%	\$
9	Shipping Costs (Round Trip)	10	trips	\$	\$
SUBTOTAL (Group C)					\$
Group D – Well Pump and Component Replacement (mark-ups not to exceed 20%)					
1	Well Pumps	\$200,000	/YR	%	\$
2	Well Motors	\$200,000	/YR	%	\$
3	Column Pipe, Discharge Head, and other Components	\$60,000	/YR	%	\$
4	Power Cable	\$50,000	/YR	%	\$
SUBTOTAL (Group D)					\$
OPTION YEAR 2 TOTAL CONTRACT AMOUNT (Groups A, B, C and D)					\$

Item No.	PRICE SCHEDULE OPTION YEAR 3 Description	Qty.	Unit	Unit Price or % Mark- Up	Extended Price
Group A – Pump Pulling and Installation					
1	Pull or Install (per foot of column) – Small Pumps (2”-6”)	6000	FT	\$	\$
2	Pull or Install (per foot of column) – Medium Pumps (8”-14”)	8000	FT	\$	\$
3	Pull or Install (per foot of column) – Large Pumps (>16”)	1000	FT	\$	\$
4	Well Mudding Services	\$150,000	/YR	%	\$
5	Well Bailing	40	HR	\$	\$
6	Well Video Log	20	EA	\$	\$
7	Well Geophysical Survey	1200	FT	\$	\$
8	Dekoron Airline Installation	1000	FT	\$	\$
9	Miscellaneous Parts (mark-up not to exceed 15%)	\$80,000	/YR	%	\$
10	Fishing for Pump, Column, or Parts	120	HR	\$	\$
11	Scratching	100	HR	\$	\$
12	Blockage Removal	200	HR	\$	\$
13	Casing Repair (mark-up not to exceed 15%)	\$40,000	/YR	%	\$
14	Jetting	100	HR	\$	\$
15	Crane Rental (mark-up not to exceed 15%)	\$15,000	/YR	%	\$
16	Salvage Transport	15	HR	\$	\$
17	Tool rental for Fishing and Blockage Removal	\$10,000	/YR	%	\$
SUBTOTAL (Group A)					\$
Group B – Well Pump Repair					
1	Pump Teardown and Inspection (all sizes)	20	EA	\$	\$
2	Pump Repair Shop Labor – Regular Time	250	HR	\$	\$
3	Pump Repair Shop Labor – Overtime	20	HR	\$	\$
4	Pump Parts and Materials	\$100,000	/YR	%	\$
5	Line Shaft Replacement	\$40,000	/YR	%	\$
6	Line Shaft Bearings	\$40,000	/YR	%	\$
7	Column Pipe and /or Pump Coating	5,000	SF	\$	\$
8	Bid Mark-ups	\$50,000	/YR	%	\$
SUBTOTAL (Group B)					\$
Group C – Submersible Pump and Motor Repair		Identify subcontractor, if applicable:			
1	Motor Teardown and Inspection – 8” Diameter Frame	2	EA	\$	\$
2	Motor Teardown and Inspection – 10”-12” Diameter Frame	2	EA	\$	\$
3	Motor Teardown and Inspection – 14”-16” Diameter Frame	2	EA	\$	\$
4	Motor Teardown and Inspection – 18” Diameter Frame	1	EA	\$	\$
5	Repair Shop Labor – Regular Time	150	HR	\$	\$
6	Repair Shop Labor – Overtime	20	HR	\$	\$
7	Pump and Submersible Motor Unit Test	2	EA	\$	\$

8	Motor Parts and Materials	\$100,000	/YR	%	\$
9	Shipping Costs (Round Trip)	10	trips	\$	\$
SUBTOTAL (Group C)					\$
Group D – Well Pump and Component Replacement (mark-ups not to exceed 20%)					
1	Well Pumps	\$200,000	/YR	%	\$
2	Well Motors	\$200,000	/YR	%	\$
3	Column Pipe, Discharge Head, and other Components	\$60,000	/YR	%	\$
4	Power Cable	\$50,000	/YR	%	\$
SUBTOTAL (Group D)					\$
OPTION YEAR 3 TOTAL CONTRACT AMOUNT (Groups A, B, C and D)					\$

Item No.	PRICE SCHEDULE OPTION YEAR 4 Description	Qty.	Unit	Unit Price or % Mark- Up	Extended Price
Group A – Pump Pulling and Installation					
1	Pull or Install (per foot of column) – Small Pumps (2”-6”)	6000	FT	\$	\$
2	Pull or Install (per foot of column) – Medium Pumps (8”-14”)	8000	FT	\$	\$
3	Pull or Install (per foot of column) – Large Pumps (>16”)	1000	FT	\$	\$
4	Well Mudding Services	\$150,000	/YR	%	\$
5	Well Bailing	40	HR	\$	\$
6	Well Video Log	20	EA	\$	\$
7	Well Geophysical Survey	1200	FT	\$	\$
8	Dekoron Airline Installation	1000	FT	\$	\$
9	Miscellaneous Parts (mark-up not to exceed 15%)	\$80,000	/YR	%	\$
10	Fishing for Pump, Column, or Parts	120	HR	\$	\$
11	Scratching	100	HR	\$	\$
12	Blockage Removal	200	HR	\$	\$
13	Casing Repair (mark-up not to exceed 15%)	\$40,000	/YR	%	\$
14	Jetting	100	HR	\$	\$
15	Crane Rental (mark-up not to exceed 15%)	\$15,000	/YR	%	\$
16	Salvage Transport	15	HR	\$	\$
17	Tool rental for Fishing and Blockage Removal	\$10,000	/YR	%	\$
SUBTOTAL (Group A)					\$
Group B – Well Pump Repair					
1	Pump Teardown and Inspection (all sizes)	20	EA	\$	\$
2	Pump Repair Shop Labor – Regular Time	250	HR	\$	\$
3	Pump Repair Shop Labor – Overtime	20	HR	\$	\$
4	Pump Parts and Materials	\$100,000	/YR	%	\$
5	Line Shaft Replacement	\$40,000	/YR	%	\$
6	Line Shaft Bearings	\$40,000	/YR	%	\$
7	Column Pipe and /or Pump Coating	5,000	SF	\$	\$
8	Bid Mark-ups	\$50,000	/YR	%	\$
SUBTOTAL (Group B)					\$
Group C – Submersible Pump and Motor Repair		Identify subcontractor, if applicable:			
1	Motor Teardown and Inspection – 8” Diameter Frame	2	EA	\$	\$
2	Motor Teardown and Inspection – 10”-12” Diameter Frame	2	EA	\$	\$
3	Motor Teardown and Inspection – 14”-16” Diameter Frame	2	EA	\$	\$
4	Motor Teardown and Inspection – 18” Diameter Frame	1	EA	\$	\$
5	Repair Shop Labor – Regular Time	150	HR	\$	\$
6	Repair Shop Labor – Overtime	20	HR	\$	\$
7	Pump and Submersible Motor Unit Test	2	EA	\$	\$

8	Motor Parts and Materials	\$100,000	/YR	%	\$
9	Shipping Costs (Round Trip)	10	trips	\$	\$
SUBTOTAL (Group C)					\$
Group D – Well Pump and Component Replacement (mark-ups not to exceed 20%)					
1	Well Pumps	\$200,000	/YR	%	\$
2	Well Motors	\$200,000	/YR	%	\$
3	Column Pipe, Discharge Head, and other Components	\$60,000	/YR	%	\$
4	Power Cable	\$50,000	/YR	%	\$
SUBTOTAL (Group D)					\$
OPTION YEAR 4 TOTAL CONTRACT AMOUNT (Groups A, B, C and D)					\$