

AGENDA
SAND SPRINGS/SAPULPA JOINT BOARD MEETING

Interlocal Cooperation Agreement
Tuesday, January 17, 2017 at 1:30 p.m.

Regular Meeting

Sand Springs Public Works Administration Building
13101 W. 46th Street
Conference Room 10
Sand Springs, Oklahoma 74063

1. Call to Order

2. Roll Call

3. Minutes

Consider approval of the minutes of the October 18, 2016 Regular Joint Board meeting.

4. BUSINESS

A. Discuss and consider approval for staff to order the rehabilitation of SRWCS Pump Number 4 Ball Valve (flow control valve) at an estimated cost less than \$26,000.

Action: _____

B. Discuss and consider approval for staff to initiate the acquisition process of property for a future second SRWCS One-Way Tank at an estimated cost less than \$10,000.

Action: _____

C. Discuss and consider approval for staff to solicit bids and order work for SRWCS Conduit Air Relief Valve and Vault Rehabilitation at an estimated cost less than \$37,000.

Action: _____

D. Discuss and consider approval for staff to order additional Cathodic Protection Materials and Installation Services at six (6) SRWCS Conduit Appurtenance Vaults at an estimated cost less than \$23,000.

Action: _____

5. STAFF REPORTS

A. Discuss the OMAG recommendation to increase the appraised insurance value of the Skiatook Pump Station Building, Skiatook Strainer Building, and Property In The Open located at the Skiatook Pump Station. (Discussion Only, No action Required)

- B. Discuss the Operating Condition of SRWCS Pump No. 1 Motor after the most recent Shermco Industries Testing and Operating Assessment.
(Discussion Only, No Action Required)
 - C. Skiatook Raw Water Conveyance System (SRWCS) Status Report of January 5, 2017 by Tetra Tech. (Discussion Only, No Action Required)
6. ADJOURNMENT – (The next meeting is scheduled for April 18, 2017 at 1:30 p.m. in Sapulpa).

This agenda was posted at _____ p.m. on January 12, 2017 on the digital display board located in the lobby of the Sand Springs Municipal Building, 100 East Broadway, Sand Springs, Oklahoma 74063, by Janice Almy, City Clerk, City of Sand Springs, Oklahoma.

Janice Almy, City Clerk, City of Sand Springs, Oklahoma

MINUTES

SAND SPRINGS/SAPULPA JOINT BOARD
Interlocal Cooperation Agreement
Tuesday, October 18, 2016 at 5:00 P.M.
Regular Meeting
Sand Springs Public Works Administration Building
13101 W. 46th Street
Conference Room 106
Sand Springs, Oklahoma 74063

MEMBERS PRESENT: Mike Burdge, City of Sand Springs
Lou Martin, City of Sapulpa
Rick Rumsey, City of Sapulpa
John Fothergill, City of Sand Springs

OTHERS PRESENT: Frank Weigle, City of Sand Springs
Rick Sauer, Tetra Tech

The Sand Springs/Sapulpa Joint Board met in regular session on Tuesday, October 18, 2016 at 5:00 p.m. in the Sand Springs Public Works Administration Building pursuant to the agenda filed with the City Clerk’s office and posted October 14, 2016 on the digital display board located in the first floor lobby of the Sand Springs Municipal Building, 100 East Broadway, Sand Springs, Oklahoma 74063.

1. **Call to Order**

Chairman Burdge called the meeting to order at the noted time of 5:05 p.m.

2. **Roll Call**

Mr. Burdge called for an individual roll call with members replying in the following manner:

Mr. Martin, here; Mr. Rumsey, here; Mr. Burdge, here; (Mr. Fothergill arrived after roll call).

3. **Minutes**

Approval was requested for the minutes of the July 19, 2016 Regular Joint Board Meeting.

A motion was made by Mr. Martin and seconded by Mr. Rumsey to approve the Minutes of the July 19, 2016 Sand Springs/Sapulpa Regular Joint Board Meeting.

Mr. Burdge called for the vote recorded as follows:

Mr. Martin, aye; Mr. Rumsey, aye; Mr. Burdge, aye.

4. **Business**

- A. Discuss and consider approval of the 2017 calendar year Schedule of Regular Meetings for the Sand Springs/Sapulpa Joint Board.

A motion was made by Mr. Rumsey and seconded by Mr. Martin to approve the 2017 calendar year Schedule of Regular Meetings for the Sand Springs/Sapulpa Joint Board presented with the meeting time to be noted at 1:30 P.M.

Mr. Burdge called for the vote recorded as follows:

Mr. Martin, aye; Mr. Rumsey, aye; Mr. Burdge, aye; Mr. Fothergill, aye.

- B. Discuss and consider recommendation for approval of the Amendment To By Laws and Procedural Rules Of The Sand Springs Municipal Authority-Sapulpa Municipal Authority Joint Board.

A motion was made by Mr. Rumsey and seconded by Mr. Burdge for the recommendation for approval of the Amendment To By Laws and Procedural Rules Of The Sand Springs Municipal Authority-Sapulpa Municipal Authority Joint Board.

Mr. Burdge called for the vote recorded as follows:

Mr. Martin, aye; Mr. Rumsey, aye; Mr. Burdge, aye; Mr. Fothergill, aye.

5. **Staff Reports**

- A. Staff reported on the 2016 Peak Power Demand Period, the Sale of Real Estate Property required for a second One-Way Tank, the Pump Station Computer upgrade completion, the PSO SRWCS Sub-Station repairs, and Projects to be scheduled through the approved SRWCS FY 17 Operating Budget. (No Action Required).
- B. The Skiatook Raw Water Conveyance System (SRWCS) Status Report of October 6, 2016 by Tetra Tech was noted, and Mr. Rick Sauer, the SRWCS Operator, was available for any questions. (No Action Was Required).

6. **Adjournment – 5:35 P.M.**

- A. There being no further business, a motion was made for adjournment by Mr. Martin and seconded by Mr. Fothergill.

Roll Call: All aye - Mr. Martin, Mr. Rumsey, Mr. Burdge, Mr. Fothergill.

Rick Sauer
Tetra Tech
7645 East 63rd Street, suite 301
Tulsa, Oklahoma 74133
Office: (918) 249-3909
Email: rick.sauer@tetrattech.com

November 16, 2016

**Subject: Proposal for Cathodic Protection Construction Services
Skiatook Raw Water Conveyance System – Anode Installations at Vaults
Sand Springs & Sapulpa, OK**

Dear Mr. Sauer,

Corrpro is pleased to provide this proposal for cathodic protection material and construction services for the above referenced project. This proposal includes lump sum pricing for the installations of the referenced cathodic protection system consisting of thirty (30) 48# magnesium anodes installed at various vault locations located in the Sand Springs and Sapulpa, Oklahoma area.

SCOPE OF WORK

Corrpro shall provide material, labor and equipment to install thirty (30) 48# magnesium anodes each at various vault locations throughout Skiatook Raw Water Conveyance System located in the Sand Springs and Sapulpa, Oklahoma area.

Potentials shall be taken at each location to make sure adequate amounts of cathodic protection are being applied.

PRICING SUMMARY

Corrpro will be pleased to provide the above-described work for the below lump sum price.

| Tetra Tech – Anode Installations at Vaults | |
|---|----------|
| Material Supply: | \$4,737 |
| Labor and Equipment: | \$15,218 |

Project Total: \$19,955

SERVICES/MATERIALS PROVIDED BY OTHERS

1. Tetra Tech will obtain the right of ingress and egress for all properties necessary for the completion of the Work.
2. Pricing is quoted utilizing a mechanical excavator for all excavations and trenching. If Vacuum Truck service is required, Tetra Tech will provide, or Corrpro can provide at **cost plus 15%**.

3. Pricing assumes access with rubber tire equipment with no matting included. Any necessary equipment matting will be charged back on a **cost plus 15%** basis.
4. Tetra Tech to notify Corrpro of all safety training, OQ, and PPE requirements.
5. Bollards, where applicable, are to be supplied and installed by others.

COMMERCIAL TERMS AND CONDITIONS

1. Any applicable local, state and/or federal sales taxes are not included and will be in addition to the proposal price unless a tax exemption and/or direct pay certificate can be provided.
2. Payment terms will be net 30 days.

NOTES

1. Corrpro is not responsible for the removal or replacement of concrete, asphalt, or grass.
2. Corrpro is not responsible for trenching through concrete to make necessary connections.
3. Standby charges will apply for any work stoppages beyond Corrpro's control including, but not limited to, inclement weather, ROW problems, and customer directive and will be invoices at a maximum of 5 hours/day. Charges will not be added to the invoice without prior approval from Client representative.
4. All terms and conditions listed above, whether explicitly detailed or not detailed in a resulting contract or purchase order, shall be accepted as "condition of sale" between Corrpro and the Purchaser and cannot be waived unless it is explicitly in the resulting contract or purchase order.

We appreciate the opportunity to submit this proposal. Please contact **Sr. Sales Representative Matt Coburn** at **(918)-210-2882** or mcoburn@aegion.com if you have any questions or require any further information regarding this proposal.

Best regards,

Chris Evans
Chris Evans
Project Estimator II

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TETRA TECH

TO: Mr. Derek Campbell, City of Sand Springs
FROM: Rick Sauer
RE: **SKIATOOK RAW WATER CONVEYANCE SYSTEM
DECEMBER 2016 STATUS REPORT**

DATE: January 5, 2017

GENERAL:

This report will cover the status of the Skiatook Raw Water Conveyance System from December 1, 2016, through December 31, 2016. The average water usage rate for Sand Springs during the month of December was 3.32 MGD (includes golf course, if any). The average water usage rate for Sapulpa during the month of December was 2.91 MGD. The total average water usage rate for the system during December was 6.23 MGD. (See the attached sheets for more detail.) The meter reading data reflects water usage from the beginning of the project through December 2016. The latest graph shows the water usage from February 2005 through December 2016. The electrical allocation print-out for the billing month of December is included within the attachments.

PERIOD IN REVIEW:

Tetra Tech (Tt) personnel continued to monitor and conduct routine maintenance on the entire system. There were no after-hours emergency call-outs for the period December 1, 2016, to December 31, 2016.

In addition to many routine maintenance tasks, Tetra Tech personnel performed the following items during this period:

1. Addressed 3 locate tickets associated with the SRWCS system, assisted the Owners' personnel with marking the system alignment when warranted, and reported potential conflicts to the Owners' representatives as necessary.
2. Operator assisted Corpro technicians with annual 2mg reservoir cathodic system check and calibration on the 1st. The equipment appears to be operating within industry parameters.
3. Operator assisted GMA Construction personnel in repairing eroded access along right-of-way within Perdue property. Also created alternate creek crossing to access right-of way with property owner backing on the 6th, 7th, and 9th.
4. Removed existing station double gate plunger rod pipe stop and replaced with 2" X 4" square tubing to mitigate binding, resulting from freeze/thaw cycles and natural movements.

Oklahoma CA No. 2388
Expires 6/30/2017

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5. Technicians from Shermco visited station on November 29 to collect transformer oil sample. Results indicate decreased gasses from previous sample collected due to unit running at a cooler operating temperature.
6. Operator corresponding with 2mg transducer manufacturer (WIKA) in attempt to procure replacement of transducer purchased in 2012, stored until October 2016, placed in service, and then failed within 4 days. Shipped failed unit to WIKA. **UPDATE: Still awaiting results of evaluation as of this writing.**
7. Operator continues to fabricate flow control valve hoisting adaptor to facilitate more efficient and safe removal and replacement.
8. The new SCADA computer is functioning as designed and has presented no problems.
9. Tetra Tech office received notice from right-of-way property owner Craig Sutton on September 20, 2010. He owns property from Station 328+99 to 384+53. He has revoked all trespass rights across his property to access structures which include Air Relief Valve #s 26, 27, 30, and 32; 36" Butterfly Valve #28; and 12" Blow-off Valve #29. Operator met with Mr. Sutton on September 27, 2010, in an attempt to resolve issue; however Mr. Sutton requests monetary compensation to grant access to right-of-way structures. Operator replied that he has no authority to approve monetary compensation on behalf of the municipalities. An 'on-site' meeting including Mr. Sutton, Mr. Weigle, GMA Construction, and Mr. Sauer was conducted on March 1, 2012. The municipalities and Mr. Sutton are currently working on an agreement to allow operator and contractors to access right-of-way for maintenance purposes.

EMERGENCY REPAIRS W.P. 10:

T-G Excavating continues to be on "standby" for any emergency line repairs.

SS GOLF COURSE WATERLINE:

The golf course meter reflected a usage of **1,267,000** gallons for the month of December 2016. The usage readings, if any, are included in Sand Springs' average water usage rate as reported in paragraph one of this report.

MAINTENANCE ISSUES:

Operations considers corrosion to be one of the most serious issues that could possibly affect the future reliability of the SRWCS system. Priority corrosion concerns involve the system surge arrestor, the uncoated A.R.V.s, flanged outlets along the system, and the vault piping that doesn't meet standards to be considered cathodically protected. Operations will continue to gather trending data from the vault piping test stations in an effort to monitor for and report corrosion concerns associated with these areas of the system. Following the 2015 cathodic survey of vault piping by Corrpro, Tt forwarded the Corrpro report with recommendations attached, to the Owners' representatives for their consideration.

Operations continues to recommend that the Owners annually address unwanted growth along the SRWCS easement by utilizing a tractor and brush hog until a different means of removal becomes available.

MISCELLANEOUS:

The Skiatook Lake normal elevation is 714.00 feet at the top of the conservation pool. As of 12:00 p.m. midnight, December 31, 2016, the lake elevation was recorded at 709.21 feet.

LAKE LEVEL IS 4.79' BELOW NORMAL

Tt FEE STATUS

PERCENT EXPENDED FROM BUDGET

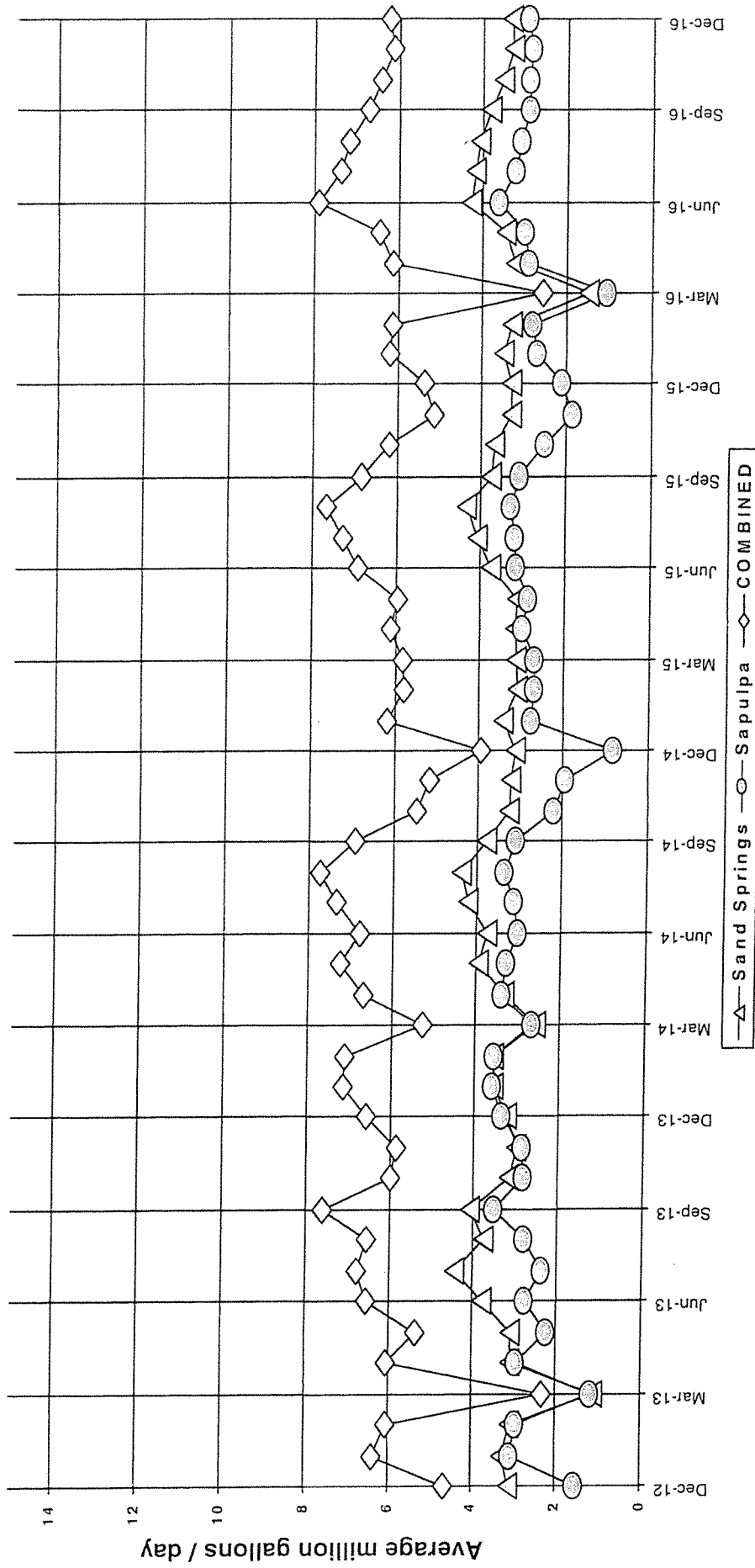
| <u>INVOICE</u> <u>MONTH</u> | <u>CONTRACT</u> <u>TIME</u> | <u>OPER. &</u> <u>MAINT.</u> | <u>DIRECT</u> <u>EXPENSE</u> | <u>REPAIR</u> <u>& REHAB</u> |
|--------------------------------|--------------------------------|-------------------------------------|---------------------------------|-------------------------------------|
| December 2016 | 50% | 54% | 25% | 0% |

Attachments
RS/lav//tk

cc:
Mr. Frank Weigle, City of Sand Springs, w/att.
Mr. Robert Petitt, City of Sapulpa, w/att.

SRWCS WATER USAGE SAND SPRINGS - SAPULPA

Millions



Skiatook Raw Water Conveyance System

Allocation of Electric Costs

Billing Period: December 2016

January 10, 2017

| | Maximum 30 Minute Water Demand | | | Monthly Water Usage (Gallons) | | | Metered KW Capacity (KWH) | | |
|----------------|--------------------------------|----------------|--------------|---------------------------------|----------------|--------------|-----------------------------|----------------|--------------|
| | <u>Sand Springs</u> | <u>Sapulpa</u> | <u>Total</u> | <u>Sand Springs</u> | <u>Sapulpa</u> | <u>Total</u> | <u>Sand Springs</u> | <u>Sapulpa</u> | <u>Total</u> |
| December 2016 | 3,316,850 | 2,912,044 | 6,228,894 | 102,822,340 | 90,273,370 | 193,095,710 | 146.76 | 128.84 | 275.6 |
| November 2016 | 3,291,023 | 2,836,747 | 6,127,770 | 98,730,680 | 85,102,420 | 183,833,100 | 148.02 | 127.58 | 275.6 |
| October 2016 | 3,506,694 | 2,903,645 | 6,410,339 | 108,707,520 | 90,012,990 | 198,720,510 | 150.76 | 124.84 | 275.6 |
| September 2016 | 3,800,044 | 2,905,501 | 6,705,545 | 114,001,320 | 87,165,020 | 201,166,340 | 172.11 | 131.59 | 303.7 |
| August 2016 | 4,089,871 | 3,097,535 | 7,187,406 | 126,786,005 | 96,023,595 | 222,809,600 | 172.99 | 131.01 | 304 |
| July 2016 | 4,170,694 | 3,208,254 | 7,378,948 | 129,291,515 | 99,455,875 | 228,747,390 | 172.11 | 132.39 | 304.5 |
| June 2016 | 4,263,767 | 3,619,305 | 7,883,072 | 127,913,000 | 108,579,160 | 236,492,160 | 165.62 | 140.58 | 306.2 |
| May 2016 | 3,442,258 | 3,009,325 | 6,451,583 | 106,710,000 | 93,289,080 | 199,999,080 | 146.14 | 127.76 | 273.9 |
| April 2016 | 3,230,500 | 2,902,932 | 6,133,432 | 96,915,000 | 87,087,970 | 184,002,970 | 144.26 | 129.64 | 273.9 |
| March 2016 | 1,487,066 | 1,067,116 | 2,554,183 | 46,099,050 | 33,080,610 | 79,179,660 | 159.47 | 114.43 | 273.9 |
| February 2016 | 3,300,028 | 2,807,614 | 6,107,642 | 95,700,820 | 81,420,810 | 177,121,630 | 147.99 | 125.91 | 273.9 |
| January 2016 | 3,491,407 | 2,686,969 | 6,178,376 | 108,233,605 | 83,296,050 | 191,529,655 | 154.78 | 119.12 | 273.9 |

| | <u>Sand Springs</u> | <u>Sapulpa</u> | <u>Total</u> |
|-----------------|---------------------|-------------------|--------------------|
| ENERGY CHARGE | \$4,607,9810 | \$4,045,9990 | \$8,653,9800 |
| ON PEAK CHARGE | \$556,9130 | \$472,7370 | \$1,029,6500 |
| OFF PEAK CHARGE | \$748,9400 | \$499,3000 | \$1,248,2400 |
| CUSTOMER CHARGE | \$147,3400 | \$98,2200 | \$245,5600 |
| Total | \$6,061.17 | \$5,116.26 | \$11,177.43 |

HIGH DEMAND June 2016 306.2
 90% HIGH DEMAND 275.6