

City of Scottsbluff, Nebraska

Monday, December 21, 2015

Regular Meeting

Item Reports1

Council to consider approving the renewal of a two year agreement with Johnsen Corrosion Engineering for continuing our existing Water Tower Corrosion Control Service Program and authorize the Mayor to execute the agreement.

Staff Contact: Rick Kuckkahn, City Manager

Agenda Statement

Item No.

For meeting of: December 21, 2015

AGENDA TITLE: Council to consider approving the renewal of a two year Agreement with Johnsen Corrosion Engineering for continuing our existing Water Tower Corrosion Control Service Program.

SUBMITTED BY DEPARTMENT/ORGANIZATION: Public Works Department

PRESENTATION BY: Rick Kuckkahn, City Manager

SUMMARY EXPLANATION: The Agreement covers our water tower cathodic protection for corrosion control and also washout/drain inspections. The terms of the Agreement remain the same and have been reviewed by Legal. A breakdown of the cathodic protection costs by tower is as follows:

<u>Tower Location</u>	<u>Cathodic Protection & System Service Cost</u>
Hydropillar	\$1,874.00
Cemetery	1,874.00
High School	1,874.00
Airport	1,874.00
Coke Plant	<u>1,874.00</u>
	\$9,370.00

BOARD/COMMISSION RECOMMENDATION:

STAFF RECOMMENDATION: Approve the renewal of this Agreement and authorize the Mayor to sign it.

EXHIBITS

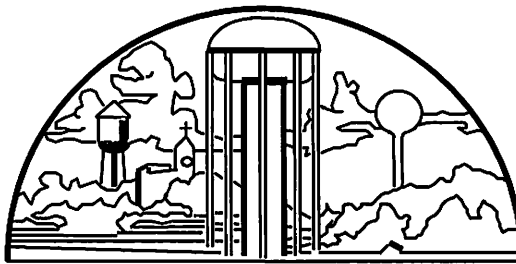
Resolution ☐ Ordinance ☐ Contract ☐ Minutes ☐ Plan/Map ☐

Other (specify) ☒ Copy of Agreement

NOTIFICATION LIST: Yes ☐ No ☐ Further Instructions ☐

APPROVAL FOR SUBMITTAL: _____
City Manager

Rev 3/1/99CClerk



Cathodic Protection for Water Storage Structures

**• WATER STORAGE TANK
CORROSION CONTROL SERVICE PROGRAM**

1. TERM OF AGREEMENT: Two years beginning January 1, 2016. The annual charge of \$9,370.00 will include both cathodic protection and washout/drain inspection service.

2. SYSTEMS TO BE SERVICED: Services will be performed on tanks owned and maintained by the city of Scottsbluff, NE (the "Systems") and listed below. Service will be provided by Johnsen Corrosion Engineering, Inc. of Lincoln, NE (the "Contractor") in accordance with this agreement.

<u>LOCATION</u>	<u>STRUCTURE</u>	<u>COST</u>
#1. Hydropillar	1,500,000 Gallons	\$ 1,874.00
#2. Cemetery	500,000 Gallons	1,874.00
#3. High School	300,000 Gallons	1,874.00
#4. Airport	200,000 Gallons	1,874.00
#5. Coke Plant	250,000 Gallons	1,874.00

3. SCOPE OF CATHODIC PROTECTION SYSTEM SERVICE: The contractor will provide all labor and materials necessary to maintain the systems in optimum working condition and in conformity to the standards of the National Association of Corrosion Engineers and the American Water Works Association will be provided for the term of this agreement. Two service calls will be scheduled each year. At the spring service, systems will be placed into operation and calibrated. At the fall servicing, systems will be winterized and taken out of service. Potential profiles will be conducted and worn or damaged parts will be replaced as necessary. The service calls will be followed-up with a written report.

This report will contain pertinent data about the system and structure, and, if conducted, the record of the independent potential profile. The profile will be performed with a copper/copper sulfate reference electrode placed equidistant from two anodes and adjacent to the steel. The report shall, in diagram form, identify the location where the profile was taken.

207 South 9th, Lincoln, NE 68508
(480) 201-3687

SENTINEL *Electron-Ion Flow Regulator*

Automatic Control of Cathodic Protection for Water Storage Structures

Page 2

Scottsbluff

SCOPE OF SERVICE: Continued

Servicing the anode and electrode subsystems will include an examination of each anode, anode support and connections, the mainline wire, conduit and supports, under-roof wiring. The *SENTINEL*, with all its components will be tested. Upon request, the contractor will provide to an employee designated by the City of Scottsbluff, instruction in the operation of the cathodic protection equipment.

4. QUALIFICATIONS: The contractor is not responsible for the AC power supply, damage done by vandalism, natural storm, or underground conduit runs.

5. WASHOUTS AND DRAIN INSPECTIONS: One structure will receive this service each year. The proposed schedule is as follows:

<u>YEAR</u>	<u>STRUCTURE</u>
2016	Hydropillar
2017	Airport
2018	Cemetery
2019	High School
2020	Coke Plant

The City of Scottsbluff may change the schedule at any time without adjustment to the cost-per-service application.

ACCEPTED:

City of Scottsbluff, NE

Date

Johnsen Corrosion Engineering, Inc.

12/1/15
Date

207 South 9th, Lincoln, NE 68508
(480) 201-3687