

City of Scottsbluff, Nebraska

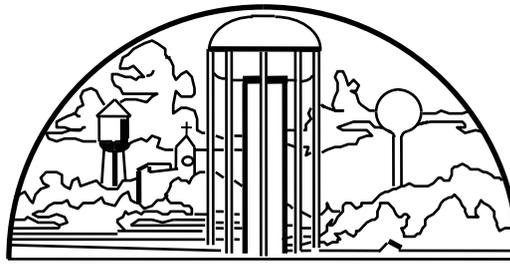
Monday, November 6, 2023

Regular Meeting

Item Reports3

Council to discuss and consider action on approving the renewal of an Agreement with Johnsen Corrosion Engineering for continuing the Water Tower Corrosion Control Service Program and authorize the Mayor to sign the Agreement.

Staff Contact: Mark Bohl, Public Works Director



Cathodic Protection for Water Storage Structures

**WATER STORAGE TANK
CORROSION CONTROL SERVICE PROGRAM**

1. TERM OF AGREEMENT: Three years beginning January 1, 2024. The annual charge of \$13,375.00 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>
#1. Hydropillar	1,500,000 Gallons
#2. Cemetery	500,000 Gallons
#3. High School	300,000 Gallons
#4. Coke Plant	250,000 Gallons
#5. Airport	200,000 Gallons

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.

4918 South Barley Way, Gilbert, AZ 85298
(480) 201-3687

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>
2023	High School
2024	Coke Plant
2025	Airport
2026	Hydropillar

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.

Date

*4918 South Barley Way, Gilbert, AZ 85298
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