

City of Scottsbluff, Nebraska

Monday, March 2, 2020

Regular Meeting

Item Reports1

Council to discuss and consider action on a quote for one Outdoor Warning Siren from Action Communications and authorize the Mayor to sign the Agreement.

Staff Contact: Tim Newman, Emergency Management Director

Agenda Statement

Item No.

For meeting of: 3/3/2020

AGENDA TITLE: Council to Consider Quote for One Outdoor Warning Siren from Action Communication and give approval to the Mayor to sign the agreement.

SUBMITTED BY DEPARTMENT/ORGANIZATION: Emergency Management

PRESENTATION BY: Tim Newman

SUMMARY EXPLANATION:. Quotes were solicited from four outdoor siren vendors. Action Communications was the only company to submit a quote. The quote, \$28,821.33, is in line with previous sirens installed by Action and adheres to the quotation specifications. In addition, it is possible that by reusing the existing pole located near US 26 and E 27th Street, the City will save \$1,600 off the quote. Please see attached quotation specifications and the Quote from Action. This is a CIP project and the quote is within the funding set aside for the project.

BOARD/COMMISSION RECOMMENDATION:

STAFF RECOMMENDATION: Recommend Awarding to Action Communication and have the Mayor sign the agreement.

EXHIBITS

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

Other (specify) Quotation Specifications, Quote from Action Communications, Work Agreement, Siren Spec Sheet

NOTIFICATION LIST: Yes ☐ No ☐ Further Instructions ☐

APPROVAL FOR SUBMITTAL: _____
City Manager

Rev 3/1/99CClerk

QUOTATION SPECIFICATIONS FOR SCOTTSBLUFF, NEBRASKA COMMUNITY OUTDOOR WARNING SIRENS

SCOTTSBLUFF, NEBRASKA will be accepting quotations for the purchase and installation of one (1) electronic, radio controlled, community outdoor warning siren. The siren shall be installed at or near the following location:

Near the intersection of US Highway 26 and East 27th Street in Scottsbluff, Nebraska - 41.874623, -103.651029

QUOTES MUST BE RECEIVED BY February 18TH, 2020 AND MAY BE DELIVERED BY ELECTRONIC MAIL TO tnewman@scottsbluff.org .

GENERAL REQUIREMENTS:

1. Each Vendor's Quotation must offer an omni-directional siren design with 360° coverage at all times during activation. The acoustic performance level shall be at least 123 dB(C) @ 100', with a minimum 70dB(C) perimeter range of 4000 feet in accordance with FEMA guidelines of -10 dB per distance doubled. The system must be designed to provide full coverage of the specified area @ 70 dB(C) minimum, unless otherwise specified. The siren shall produce 2000 Watts output. Speaker drivers must be accessible through access panels. Electronic sirens that use 100 watt speaker drivers will not be accepted. Sirens that fail to meet minimum performance ratings will not be accepted. The electronics control cabinet shall be manufactured from Natural Finish Aluminum. The use of two (2) batteries are required, and must be locally available. Batteries must be accessible with pull-out battery trays for service safety. A single 120 Volt AC temperature compensated battery charger must supply the incoming charge for the sirens. The charger must warm the batteries through increased voltage during cold weather. The use of battery heaters is strictly prohibited. The Radio control for the sirens must be a receiver with appropriate antenna, polyphaser for lightning protection and integration for the siren controller. The siren controller must be capable of decoding all current commands which includes 2 tone and 8 digit DTMF 50ms on 50ms off. The vendor whose quotation is accepted will install the siren. The vendor must provide complete advisory services during installation and complete all internal wiring, battery installation, siren programming, head-end programming, programming at the Scotts Bluff County Communications Center, the Scottsbluff Fire Trucks and the Scottsbluff Fire Station MIP5000 computer.
2. The siren system shall be an Electronic Siren System capable of six (6) warning tones: Wail, Attack, Alert, Hi/Lo, Air-horn, and Whoop. Timing duration for each tone shall be selectable, and shall include 30 seconds, 60 seconds, 90 seconds, 3 minutes, or up to five (5) minutes. The pitch of the "Alert" tone must be 565hz. In addition, the siren must be capable of pre-recorded and live voice messages as well.
3. The siren assembly and mounting bracket shall weigh no more than 400 lbs.

maximum atop the pole, and shall be able to sustain and operate in winds up to 100 mph. The siren head will have absolutely no internal or external moving parts. Sound MUST be produced electronically through speakers.

4. The siren system shall consist of a pole top mounted speaker cluster, and a two (2) compartment siren case assembly. The battery compartment must be completely separated from the electronics compartment. Batteries are required to be placed on pull-out battery trays for service and to prevent terminals from shorting to cabinet ground.

5. The five-speaker cluster assembly shall be equipped with five 400 watt speaker drivers and not less than 50ft of speaker cable. Speaker cable must not be spliced in any way. It shall be designed to project uniform acoustic output throughout 360°, ± 1 dB, out and away from the speaker in a vertical dispersion pattern, thus minimizing potentially environmentally hazardous ultrasonic signals in the area adjacent to the pole location. Peak output of the siren must be able to converge at one point at the 100 ft reference distance. The speaker assembly shall be fabricated from composite material, thus requiring no maintenance painting.

6. The siren case assembly, or electronics cabinet, shall consist of a two (2) compartment, natural finish aluminum housing, and shall not require maintenance painting. The upper compartment shall contain all of the necessary electronic assemblies for control and operation of the system; the lower compartment houses the batteries for the system. The siren controller must be water and moisture resistant.

7. Each siren shall operate on a 24 VDC power supply system provided by two (2) 12 volt, deep cycle, DC batteries wired in series. The battery system shall be maintained by a temperature compensated battery charger operating from an AC source.

8. In the event of incoming power loss, each siren shall be capable of at least twenty (20) minutes of continuous operation, or several days of intermittent use of brief siren signals before recharging of the batteries is necessary.

9. All sirens shall be controlled and activated by radio, utilizing two-tone and DTMF encoding controls. The radio receiver encoder/decoder unit in the siren enclosure shall be compatible with and interface to the Scotts Bluff County Consolidated Communications Center's existing base station radio and encoder (or existing siren systems).

10. Vendor will provide complete turn-key services to the City of Scottsbluff for Head-End integration. Complete wiring diagrams, schematics, and operational and installation instructions shall be provided within 30 days of project completion.

11. The vendor will provide the necessary trucks and manpower to remove existing

Thunderbolt siren equipment from the existing pole. The rotator, horn and bracket, solenoid, and chopper weigh approximately 333 lbs.

12. The vendor will set, or cause to be set, a new 55 foot, Class II wooden pole at the new site and will be responsible for notifying 811 to mark any underground utilities or pipelines prior to digging. If existing pole is found to be serviceable, the new pole will not be necessary and the cost of the pole and associated costs will be waived.

13. All quotations shall include any shipping freight charges;
Ship to:

Region 22 Emergency Management
1801 Avenue B
Scottsbluff, NE 69361

14. All quotations shall include costs for startup and operational system training. Each vendor must provide sound mapping for the respective siren site.

15. Vendor shall deliver all sirens within (120) days of quotation acceptance. Complete installation and verifiable compatible operation of all sirens will be completed within (45) days of siren delivery.

16. The vendor must warrant the siren equipment from the date of installation for a period of not less than two (2) years for defects in components and parts, and for an additional period of three (3) years for no more than \$75.00 per module deductible. Batteries may be excluded from this warranty.

17. Scottsbluff will accept Industry Standard equivalents. Any deviations must be presented to Scottsbluff as a Request for Approved Equal (RAP), and must be fully explained in writing to the Region 22 Emergency Management Director. If a manufacturer chooses not to produce equipment with the minimum above specifications, Scottsbluff shall in no way be held liable for rejection of the quotation.

18. The City of Scottsbluff reserves the right to reject any and all quotations.

INTENT

These specifications are not intended to include any proprietary items, components, circuits, or devices which would preclude any outdoor siren manufacturer from producing equipment to meet these specifications. All ratings, power outputs, and specific criteria are currently being met by commercially available equipment. The fact that a manufacturer chooses not to (or perhaps is unable to) produce equipment to meet these specifications, providing the above criteria are met, will not be

sufficient cause to adjudge these specifications as restrictive.

EXCEPTIONS TO INDUSTRY STANDARD EQUIVALENTS:

1. 100 Watt Compression Drivers will not be accepted as an approved equal.
2. Painted steel cabinets to house the siren electronics will not be accepted as an approved equal.
3. Siren head assemblies fabricated from any material other than corrosion resistant composite material will not be accepted as an approved equal.
4. The Sound Pressure Level (SPL) within the designated boundary shall be 70 dB(C) minimum, in conformance with FEMA's -10 dB per distance doubled path model, in accordance with FEMA publication CPG 1-17. A distance "halved" scheme will not be accepted.
5. To ensure system uniformity for operators, it is very important that voice messages be exactly what is currently in service on other electronic sirens within the Region 22 Emergency Management area. Any difference in format, duration, wording, pitch, or timing is unacceptable and cause for rejection of quotation.

INSTALLATION:

1. This shall be a **Turnkey installation**. All work shall be done by the vendor and/or under the supervision of the vendor. Vendor shall furnish all labor, materials, accessories, and services necessary to perform all the work in a professional manner as per the manufacturer's specifications, where applicable, and as set forth in these specifications. All work shall comply with all local, state, and federal codes having jurisdiction as well as the regulations of the area utility companies whose service is to be used. All costs are inclusive, no additional costs will be considered without an approved change order.
2. The vendor must have a **24 hour or less** response time for maintenance service and no more than three (3) days response time for replacement parts.
3. The vendor must have no judgments or potential judgments against them or the product that is offered. This will ensure that the vendor will be able to offer the provided warranty for the full duration required.

Quotation Evaluations: (_____ Name of vendor _____)

Requirement(a): Siren (_____ Type of Siren _____)

- | | | |
|--|------------------------------|-----------------------------|
| #1: 123dBc rated siren @ 100ft | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| #2: 5 Speaker Cells | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| #3: 4000ft of 70dB coverage | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| #4: Omni-Directional | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| #5: 400W Speaker drivers | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| #6: Speaker Access panels | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| #7: Cabinet Manufactured with Aluminum | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| #8: 5 Amplifiers | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| #9: Interstate or AC Delco Batteries | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| #10: Battery pull-out trays | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| #11: 120VAC Temp. Compensated Charger | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| #12: Match all existing activation formats | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| #13: Vendor assistance during installation | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| #14: Projected system down-time no more than 24 hr | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| #15: 5 Year on-site warranty on components/parts | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| #16: Complete Verifiable match to current system | <input type="checkbox"/> Yes | <input type="checkbox"/> No |

Proposal Meets All Necessary Criteria? ☐Yes ☐No



Action Communications, Inc.

315 W. 27th Street
Scottsbluff, NE 69361
308-632-7836

Quote

Date	Quote #
2/3/2020	1020

Name / Address
City of Scottsbluff 2525 Circle Dr Scottsbluff, NE. 69361

Rep	Project
RD	

Item	Description	Qty	U/M	Cost Each	Total
WPS2905A	Whelen Five Omni-Directional Speaker Cells Assembled in a Vertical Column	1	EA	17,000.00	17,000.00
C2030NU3	Two Way 10 digit DTMF Narrow Band UHF	1	EA	1,730.00	1,730.00
WPSTTU	Two-Tone Sequential option	1		395.00	395.00
2TTM	Decoder Two-Tone Sequential module (specify A tone, tone gap and B tone time duration)	1	EA	280.00	280.00
1982525	Replacement battery for S2000	2	EA	216.50	433.00
Freight	Freight/Shipping	1		400.00	400.00
Labor	Scope of Work Action Will install Siren per manufacturers Specifications	1		2,500.00	2,500.00
Non-Inventory ...	Misc Conduit Wire and Breakers	1		250.00	250.00
Contract Services	Electrician and permits	1		800.00	800.00
Contract Services	NPPD Pass through (This is an Estimate) Action will Extend the Manufacturers Warranty to 5 years	1		3,000.00	3,000.00
Labor	Remove and transport old sirens to city defined location or to the scrap yard. as directed	1		0.00	0.00
Labor	Labor to Program Paging Codes at the SB County Comm Center	1		400.00	400.00
MSGPROGL	Library message charge	1	EA	33.33	33.33

Subtotal

Sales Tax (7.0%)

Total

Phone #	Fax #
(308) 632-7836	(308) 632-5684

Signature



Action Communications, Inc.
315 W. 27th Street
Scottsbluff, NE 69361
308-632-7836

Quote

Date	Quote #
2/3/2020	1020

Name / Address
City of Scottsbluff 2525 Circle Dr Scottsbluff, NE. 69361

Rep	Project
RD	

Item	Description	Qty	U/M	Cost Each	Total
Contract Services	New Pole If the old pole is reusable this line item will not be necessary	1		1,600.00	1,600.00

Subtotal \$28,821.33

Sales Tax (7.0%) \$0.00

Total \$28,821.33

Thank you for the opportunity to quote the above materials. This quote is valid for 90 days.

Phone #	Fax #
(308) 632-7836	(308) 632-5684

Signature _____

AGREEMENT

THIS AGREEMENT is made between the City of Scottsbluff, Nebraska, a Municipal Corporation (hereinafter called "CITY") and Action Communications, Inc., a Nebraska corporation (hereinafter called "Action").

1. For two weeks ending February 18, 2020, Region 22 Emergency Management solicited quotes to replace one (1) of its Community Outdoor Warning Sirens located near the intersection of US Highway 26 and East 27th Street in Scottsbluff, Nebraska. After directly soliciting for quotes from four outdoor siren vendors, Action submitted the only quote. Action was the most responsive and lowest quote to purchase and install one (1) electronic, radio controlled community outdoor warning siren ("siren").

2. Action agrees to install the siren according to the Quote Specifications for Scottsbluff, Nebraska Community Outdoor Warning Sirens and its Quote for Electronic Siren System ("Quote") returned to the City, which are attached hereto, marked as Exhibit "A" and incorporated by this reference. Action agrees to complete the installation of the sirens within 120 days of this date (March 2, 2020).

3. Action will install the siren as an independent contractor and not as an employee of the City.

4. Action agrees to maintain public liability insurance in an amount of not less than \$1,000,000.00. Such insurance policy will show the City as an additional insured. A certificate in a form acceptable to the City will be furnished to the City before Action is allowed access to the City's facilities.

IN WITNESS WHEREOF, the parties have executed this Agreement on the day and year set forth below.

DATED: _____, 2020.

CITY OF SCOTTSBLUFF, NEBRASKA

ACTION COMMUNICATIONS, INC.,
A NEBRASKA CORPORATION

By _____
Mayor

By _____
President

Attest:

City Clerk Seal