

**NOTICE  
GLENPOOL UTILITY SERVICE AUTHORITY  
SPECIAL MEETING**

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A Special Session of the Glenpool Utility Service Authority will be held at 6:00 p.m. immediately following the Glenpool City Council Meeting on September 17, 2018, at Glenpool City Hall, City Council Chambers, 12205 S. Yukon Ave., 3rd Floor, Glenpool, Oklahoma.

**AGENDA**

|                                                                                                                                                                                                                                                                                                                                                                                        | Page   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| A) <b>Call to Order - Timothy Lee Fox, Chairman</b>                                                                                                                                                                                                                                                                                                                                    |        |
| B) <b>Roll Call, Declaration of Quorum – Wendy Knight, Secretary; Timothy Lee Fox, Chairman</b>                                                                                                                                                                                                                                                                                        |        |
| C) <b>Scheduled Business</b>                                                                                                                                                                                                                                                                                                                                                           |        |
| 1) Discussion and possible action to approve Change Order No. 2 for the Speedy's Liftstation Rehab project, changing the base contract to a total amount not to exceed \$920,165.00, and extending the contract completion to June 21, 2019.<br>(Lynn Burrow, Community Development Director).<br><a href="#">GUSA Presentation 09 17 18 Speedy's Lifstation Change Order No. 2 08</a> | 2 - 7  |
| 2) Discussion and possible action to approve the equipment purchase quote for the wastewater treatment plant from USA Bluebook, in an amount not to exceed \$13,060.94, to be paid from FY 2018-2019 budget account 02-6-16-6272.<br>(Lynn Burrow, Community Development Director)<br><a href="#">GUSA Presentation 09 17 18 Air Compressor Replacement</a>                            | 8 - 10 |

**D) Adjournment**

This notice and agenda was posted at Glenpool City Hall, 12205 S. Yukon Ave., Glenpool, Oklahoma, on September 13, 2018 at 4:00 p.m.

Signed: Wendy Knight  
Secretary



## MEMORANDUM

**TO: CHAIRMAN AND BOARD OF TRUSTEES  
GLENPOOL UTILITY SERVICES AUTHORITY (GUSA)**

**FROM: LYNN BURROW, PE  
COMMUNITY DEVELOPMENT DIRECTOR**

**RE: SPEEDY'S LIFSTATION REHAB. PROJECT:  
REVIEW AND APPROVAL OF CHANGE ORDER NO. 2**

**DATE: SEPTEMBER 17, 2018**

## BACKGROUND

This item is for Board review and action regarding the submittal of a proposed Change Order No.2 associated with the existing construction contract with MSB Construction, LLC covering the Speedy's Liftstation rehab. project. The proposed Change Order No. 2 contains two separate, but related, elements that will impact the original Contract Agreement with MSB:

- An additional \$44,000.00 in project cost is being requested due to the proposed upgrade to the emergency electrical power generator specified in the original construction documents. The attached documentation describes the reasons for this equipment upgrade and the consensus between the project design engineers and the equipment vendor/manufacturer. The documentation also outlines several of reasons the model change being proposed will perform more reliably and with less chance of long-term damage to the generator as well as to the pump equipment being powered by the unit. If approved, the additional \$44,000.00 amount will bring the total contract price of the project to \$920,165.00.
- Sixty (60) calendar days are being requested to be added to the existing Construction Contract for both the Substantial Completion date and the Final Payment date. As a result, the additional sixty days will move the Substantial Completion date to May 20, 2019 and the Final Payment date to June 21, 2019. The request for additional contract duration is a result of industry-wide extended delivery days being experienced for emergency power generator orders as well as for the type of pumps and motors being installed at the station. The attached letter from Bertrem Products, Inc. specifies the anticipated delivery dates of the pump and motor equipment in February, 2019, which exceeds the contract completion dates specified in the original agreement.

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12205 S. Yukon, Glenpool, OK 74033 OFFICE: 918-322-5409 FAX: 918-209-4641  
Mayor Tim Fox, Vice-Mayor Momodou Ceesay, Councilors: Patricia Agee, Brandon Kearns, and Jacqueline Lund  
City Manager David Tillotson, Assistant City Manager Susan White, City Clerk Wendy Knight  
[www.glenpoolonline.com](http://www.glenpoolonline.com)

**Staff Recommendation**

Having numerous conversations and meetings with MSB LLC, their equipment vendors, and Crafton/Tull Engineers, Staff recommends approval of Change Order No. 2 as submitted. Doing so will effectively adjust the base contract amount to a total not to exceed \$920,165.00 and extend the contract completion to June 21, 2019.

**Attachments:**

- A. Request for Contract Change Order No. 2
- B. Misc. Request Documentation

Change Order No. 1

Date of Issuance: September 6, 2018  
Owner: City of Glenpool  
Contractor: MSB Construction, LLC  
Engineer: Crafton, Tull & Associates, Inc.  
Project: Speedy's Lift Station

Effective Date: 9-6-18  
Owner's Contract No.:  
Contractor's Project No.:  
Engineer's Project No.: 17404700  
Contract Name: Speedy's  
Lift Station and Force  
Main Improvements

The Contract is modified as follows upon execution of this Change Order:

Description: Change Generator from Generac 150 KW QT150 model to SG150 model. Add Contract Time for delivery dates for Vaughn chopper pumps. The pumps will ship approximately February 8, 2019. 90 days are needed for installation once materials arrive in February. Substantial completion date moved to May 20, 2019.

Attachments: *Emails from Jennifer Keith and Curt Bailey discussing change to generator. Letter from Bertrem Products regarding pump lead time.*

| CHANGE IN CONTRACT PRICE                                                                                                 | CHANGE IN CONTRACT TIMES<br><i>[note changes in Milestones if applicable]</i>                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Original Contract Price:<br><br>\$ <u>1,069,670.00</u>                                                                   | Original Contract Times:<br>Substantial Completion: <u>90</u><br>Ready for Final Payment: <u>120</u><br>days or dates                                                            |
| [Increase] [Decrease] from previously approved Change Orders No. <u>1</u> to No. <u>1</u> :<br><br>\$ <u>-193,505.00</u> | [Increase] [Decrease] from previously approved Change Orders No. <u>1</u> to No. <u>1</u> :<br>Substantial Completion: <u>150</u><br>Ready for Final Payment: <u>180</u><br>days |
| Contract Price prior to this Change Order:<br><br>\$ <u>1,069,670.00</u>                                                 | Contract Times prior to this Change Order:<br>Substantial Completion: <u>150</u><br>Ready for Final Payment: <u>180</u><br>days or dates                                         |
| [Increase] [Decrease] of this Change Order:<br><br>\$ <u>44,000.00</u>                                                   | [Increase] [Decrease] of this Change Order:<br>Substantial Completion: <u>May 20, 2019</u><br>Ready for Final Payment: <u>June 21, 2019</u><br>days or dates                     |
| Contract Price incorporating this Change Order:<br><br>\$ <u>920,165.00</u>                                              | Contract Times with all approved Change Orders:<br>Substantial Completion: <u>May 20, 2019</u><br>Ready for Final Payment: <u>June 21, 2019</u><br>days or dates                 |

|                                                  |                                           |                                                             |
|--------------------------------------------------|-------------------------------------------|-------------------------------------------------------------|
| RECOMMENDED:                                     | ACCEPTED:                                 | ACCEPTED:                                                   |
| By: <u>[Signature]</u><br>Engineer (if required) | By: _____<br>Owner (Authorized Signature) | By: <u>[Signature]</u><br>Contractor (Authorized Signature) |
| Title: <u>VP - Infrastructure</u>                | Title: _____                              | Title: <u>President</u>                                     |
| Date: <u>9-6-18</u>                              | Date: _____                               | Date: <u>9-10-18</u>                                        |

Approved by Funding Agency (N/A)

By: \_\_\_\_\_ Date: \_\_\_\_\_  
Title: \_\_\_\_\_

**Kyle Sewell, P.E.**  
Vice President | Infrastructure



Direct: 918-588-4127 | Mobile: 918-728-9810 | Fax: 918-599-0665  
201 W. 5th Street, Suite 302  
Tulsa, OK 74103  
[www.craftontull.com](http://www.craftontull.com)



Disclaimer

This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you are not the named addressee you should not disseminate, distribute or copy this e-mail. Please notify the sender immediately by e-mail if you have received this e-mail by mistake and delete this e-mail from your system. Thank you, we appreciate your cooperation.

----- Original message -----

From: Curt Bailey <cbailey@cliffordpower.com>  
Date: 8/31/18 7:43 AM (GMT-06:00)  
To: Kyle Sewell <Kyle.Sewell@craftontull.com>  
Cc: Leonard Gardner <lgardner@landlconstruction.com>  
Subject: Speedy's Lift Station

Kyle,

The generator specified for this project is required to run two 50 HP pump motors in a step 1 and step 2 configuration. After running the sizing summary for a solution, the QT150 generator is not a solution for this project. The model number is QT150 but the actual KW on that unit is only 142. The Qt series is classified as a residential and light commercial model suitable for running mild miscellaneous loads. It is not designed for motor starting. The alternator on those units is not brushless design and does not have enough copper in it to handle the Skva locked rotor motor starting.

The generator solution for this project would be the SG150 with an upsized 250 Kw alternator. This unit has the proper rating and plenty of copper for the motor starting capabilities. It is Industrial rated with brushless design alternator and permanent magnet excitation.

I have included the summary reports on both units for comparison. As you will notice the Total Harmonic Distortion on the QT150 is way to high and will no doubt not be good on the equipment it is meant to back up.

Please let me know if you have any questions.

Thanks,



**Curt Bailey**  
*Generator Sales Representative*  
[WEBSITE](#) [V-CARD](#) [CALL](#)  
[918-836-0066](tel:918-836-0066) x124

## **Lynn Burrow**

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**From:** Jennifer Keith <jckeith@cs2ee.com>  
**Sent:** Friday, August 31, 2018 10:57 AM  
**To:** Kyle Sewell  
**Subject:** Re: Speedy's Lift Station

Hi Kyle,

Per our conversation, I have come to understand a number of things about these generators and their design. As Curt describes, there are multiple levels of generator that have been introduced just within the last few years to permit some more cost efficient solutions where the rigor of the generator operation was not required to be as high, such as in small office buildings or large residential. Generac alone has 3 versions that each provide 150kW, but vary in engine size and speed. For example, the generator I specified is governed by a gear box to run to 3600rpm, as opposed to the one recommended by Curt which is governed at 1800rpm with a governor instead of gear box. The VFD's on the pumps will reduce the starting requirements for the pumps, but will still generate harmonics that can potentially stress the generator.

All that to say, while the particular generator shown on the design for this would function in the application, the generator Curt recommends would be the better one for the application. Primarily this is due to the fact that it is a more robust unit intended for repeated introduction of motor loads, compared with a light commercial application that would have minimal motor loads and for which this unit would probably be overkill. It will have a longer lifespan in this particular application.

Please let me know if I can provide further clarification.

Regards,  
Jenn

Jennifer C. Keith, PE, LC, LEED AP  
Electrical Engineer  
CS^2 Engineering, Inc. | [www.cs2ee.com](http://www.cs2ee.com)  
jckeith@cs2ee.com | 479-790-0593

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**From:** Kyle Sewell <Kyle.Sewell@craftontull.com>  
**Sent:** Friday, August 31, 2018 7:56:47 AM  
**To:** Jennifer Keith  
**Subject:** Fwd: Speedy's Lift Station

Jenniner,

Curt provided his response. Do you agree? He did not mention how the VFDs affect the system. The City was questioning that aspect. I have a pre construction meeting at 10 today. Can you help settle this issue?

Sent from my T-Mobile 4G LTE Device



6936 E. 13th St. Tulsa, OK 74112 Phone: (918) 294-3960

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September 4, 2018

Mr. Leonard Gardner  
L&L Construction

RE: Speedy's Lift Station, City of Glenpool

Mr. Gardner,

Per your request the following is the current timeline for production of the Vaughan pumps for the above referenced project.

|                  |                                  |                    |
|------------------|----------------------------------|--------------------|
| Submittals       | Receive approximately:           | September 14, 2018 |
| Submittal Review | Return to Vaughan approximately: | September 21, 2018 |
| Production       | Approximate ship date:           | February 8, 2019   |

These dates are based on the current work load in the engineering submittal department at Vaughan, the engineer's 1 week review time, the long lead time for the motors (approximately 14 weeks), and 6 weeks production time in Vaughan's facility once the motors arrived.

Should you have any more questions please feel free to contact me.

Regards,

Chuck Gibson  
Bertrem Products, Inc.



## MEMORANDUM

**TO: CHAIRMAN AND BOARD OF TRUSTEES  
GLENPOOL UTILITY SERVICES AUTHORITY (GUSA)**

**FROM: LYNN BURROW, PE  
COMMUNITY DEVELOPMENT DIRECTOR**

**RE: WASTEWATER TREATMENT PLANT  
MECHANICAL EQUIPMENT REPLACEMENT**

**DATE: SEPTEMBER 17, 2018**

## BACKGROUND

This item is for Board review and action regarding a certain proposal received from USA Bluebook Distributors pertaining to the purchase and delivery of two replacement air compressor units to be re-installed at the wastewater treatment plant. These replacements are necessary to insure proper volumes of compressed forced air injection into the sewage treatment system within the treatment lagoon at the plant site. These replacements will bring the total number of compressor units in operation back to four (4) as the necessary number to adequately support the oxidation of waste effluent as an integral part of the overall treatment system. These units are typically in full and continuous operation and therefore accumulate approximately 7,500 hours of operation annually. The average operating longevity of these units is approximately 2-3 years and therefore, accumulate nearly 20-22,000 hours before needing to be re-built or replaced - depending on the 'wear and tear' of any particular unit. Generally, these units can be rebuilt once in their expected lifespan and replaced after they fail a second time. Currently the two units being replaced have been rebuilt in the past and have degraded to the point that replacement is the only viable option to get the forced air volume back to maximum output in a timely fashion.

## Staff Recommendation

Staff recommends approval of the Equipment Purchase quote from USA Bluebook in the total amount not to exceed \$13,060.94, to be paid from FY 2018 Annual Budget Item No. 02-6-16-6272, and to authorize the City Manager to execute same.

## Attachments:

A. Equipment Purchase Quote

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12205 S. Yukon, Glenpool, OK 74033 OFFICE: 918-322-5409 FAX: 918-209-4641  
Mayor Tim Fox, Vice-Mayor Momodou Ceesay, Councilors: Patricia Agee, Brandon Kearns, and Jacqueline Lund  
City Manager David Tillotson, Assistant City Manager Susan White, City Clerk Wendy Knight  
[www.glenpoolonline.com](http://www.glenpoolonline.com)

QUOTATION  
HDSFM  
D/B/A USABLUEBOOK  
PO Box 9004  
Gurnee, IL 60031-9004  
Toll free: 1-800-548-1234  
Fax: (847) 689-3030

NO. 993754

Page 1

09/12/18

Ship-to: 1  
GLENPOOL CITY OF

140 W 141ST ST  
GLENPOOL OK 74033-3555  
USA

Bill-to: 877776  
GLENPOOL CITY OF

12205 S YUKON AVE  
GLENPOOL, OK 74033  
USA

REFERENCE # | EXPIRES | SLSP | TERMS | WH | FREIGHT | SHIP VIA  
QUOTE | 10/12/18 | JBA | NET 30 | 50 | FXD/PPD | AAACOOOPER  
QUOTED BY: JBA | QUOTED TO: WES RICHTER

| ITEM  | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | QUANTITY | UM | PRICE   | UM | EXTENSION |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----|---------|----|-----------|
| 49090 | Roots 711 URAI Blower 6" Flg<br>1.562 Shaft Diameter<br>WES RICHTER M-F 7-3 918-322-5409X4614<br>SHIPPING OPTION #1 = DROP SHIP. IF PO IS RECEIVED BY OUR<br>VENDOR TODAY BY 3PM CST, THEY CAN SHIP THIS ORDER TOMORROW.<br>THIS WOULD SHIP VIA FEDEX FREIGHT = \$458.56. LEAD TIME IS<br>APPROX. 3 DAYS FOR TRANSIT TIME.<br>SHIPPING OPTION #2 = SHIP FROM OUR DALLAS WAREHOUSE. WHILE<br>THIS IS A CHEAPER FREIGHT OPTION OF \$252.14 VIA AAA COOPER,<br>THIS HAS A LONGER LEAD TIME OF APPROX. 5 DAYS. | 2        | EA | 6404.40 | EA | 12808.80  |

Please note that your order may be subject to applicable taxes based  
on current rates at the time your order is completed.

TO ORDER --

For your convenience, you may simply sign below and return via fax to  
847-689-3030. We will process your order promptly and fax a confirmation  
so you know we have it. If you prefer to call your order in or have  
additional questions or concerns, you may contact our Customer Service  
Department @ 800-548-1234. Please note any changes to the quantities  
or shipping address. Thanks for choosing USABlueBook.

Authorization Signature

PO Number (if required)

| MERCHANDISE | MISC | TAX | FREIGHT | TOTAL    |
|-------------|------|-----|---------|----------|
| 12808.80    | .00  | .00 | 252.14  | 13060.94 |

USE THIS QUOTE # ON PO's!

QUOTATION  
HDSFM  
D/B/A USABLUEBOOK  
PO Box 9004  
Gurnee, IL 60031-9004  
Toll free: 1-800-548-1234  
Fax: (847) 689-3030

NO. 992055

Page 1

09/12/18

Ship-to: 1  
GLENPOOL CITY OF

140 W 141ST ST  
GLENPOOL OK 74033-3555  
USA

Bill-to: 877776  
GLENPOOL CITY OF

12205 S YUKON AVE  
GLENPOOL, OK 74033  
USA

|                                         |          |      |        |    |         |                 |
|-----------------------------------------|----------|------|--------|----|---------|-----------------|
| REFERENCE #                             | EXPIRES  | SLSP | TERMS  | WH | FREIGHT | SHIP VIA        |
| QUOTE                                   | 10/05/18 | JBA  | NET 30 | 50 | FXD/PPD | FEDEXFRTPRIORTY |
| QUOTED BY: JBA   QUOTED TO: WES RICHTER |          |      |        |    |         |                 |

| ITEM  | DESCRIPTION                                                                                                                                           | QUANTITY | UM | PRICE   | UM | EXTENSION |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----|---------|----|-----------|
| 15925 | TUTHILL M-D PNEUMATICS BLOWER<br>CP SERIES, MODEL 7011<br>WES RICHTER 918-807-2158 M-F 8-3PM<br>LEAD TIME IS APPROX 5-6 WEEKS AT TIME OF QUOTE ENTRY. | 2        | EA | 6808.60 | EA | 13617.20  |

Please note that your order may be subject to applicable taxes based on current rates at the time your order is completed.

TO ORDER --

For your convenience, you may simply sign below and return via fax to 847-689-3030. We will process your order promptly and fax a confirmation so you know we have it. If you prefer to call your order in or have additional questions or concerns, you may contact our Customer Service Department @ 800-548-1234. Please note any changes to the quantities or shipping address. Thanks for choosing USABlueBook.

Authorization Signature

PO Number (if required)

| MERCHANDISE | MISC | TAX | FREIGHT | TOTAL    |
|-------------|------|-----|---------|----------|
| 13617.20    | .00  | .00 | 464.33  | 14081.53 |

USE THIS QUOTE # ON PO's!