



# City of Fayetteville, Arkansas

C. 2  
BlueInGreen, LLC  
113 West Mountain Street  
Fayetteville, AR 72701  
479-575-83 TDD -  
479-521-1316

## Text File

File Number: 2014-0413

Agenda Date: 10/7/2014

Version: 1

Status: Agenda Ready

In Control: City Council

File Type: Resolution

Agenda Number: C. 1

AN ORDINANCE WAIVING THE REQUIREMENTS OF FORMAL COMPETITIVE BIDDING AND APPROVING THE PURCHASE OF AN OZONE DISINFECTION SYSTEM FROM BLUEINGREEN, LLC OF FAYETTEVILLE, ARKANSAS IN THE AMOUNT OF \$1,780,825.00 PLUS ANY APPLICABLE TAXES FOR THE NOLAND WASTEWATER TREATMENT PLANT

**WHEREAS**, the ultraviolet light system the City has used for wastewater disinfection since August of 1999 is near the end of its useful life as a primary disinfection system; and

**WHEREAS**, the City has worked with BlueInGreen, LLC in a multi-year pilot test of an ozone disinfection system which is not available from any other source; and

**WHEREAS**, the ozone disinfection system has been shown to reduce contaminants and color more than the City's current ultraviolet system and also has many environmental benefits that outweigh those of ultraviolet or other disinfection systems.

**NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF FAYETTEVILLE, ARKANSAS:**

Section 1. That the City Council of the City of Fayetteville, Arkansas hereby finds that such circumstances constitute an exceptional situation where competitive bidding is deemed not feasible or practical, and therefore waives the requirements of formal competitive bidding and authorizes the purchase of an ozone disinfection system from BlueInGreen, LLC of Fayetteville, Arkansas in the amount of \$1,780,825.00 plus applicable taxes for the Noland Wastewater Treatment Plant.

City of Fayetteville Staff Review Form

2014-0413

Legistar File ID

10/7/2014

City Council Meeting Date - Agenda Item Only  
N/A for Non-Agenda Item

Billy Ammons, CH2M Hill

9/19/2014

Wastewater Treatment Plant /  
Utilities Department

Submitted By

Submitted Date

Division / Department

Action Recommendation:

Approval of a bid waiver with BlueinGreen, LLC and approval of a contract with Bluein Green, LLC to purchase an ozone disinfection system for the Paul R. Noland Wastewater Treatment Plant in the amount of \$1,780,825.00.

Budget Impact:

5400.5800.5801.00		Water/Sewer	
Account Number		Fund	
10008.1		UV Disinfection System Replacement	
Project Number		Project Title	
Budgeted Item?	Yes	Current Budget	\$ 2,158,914.00
		Funds Obligated	\$ -
		Current Balance	\$ 2,158,914.00
Does item have a cost?	Yes	Item Cost	\$ 1,780,825.00
Budget Adjustment Attached?	No	Budget Adjustment	
		Remaining Budget	\$ 378,089.00

V20140710

Previous Ordinance or Resolution # N/A

Original Contract Number: N/A

Approval Date: \_\_\_\_\_

Comments:

## CITY COUNCIL AGENDA MEMO

### MEETING OF OCTOBER 7, 2014

**TO:** Mayor and City Council

**THRU:** Don Marr, Chief of Staff  
Tim Nyander, Interim Utilities Director  
Water & Sewer Committee

**FROM:** Billy Ammons, Wastewater Treatment

**DATE:** September 19, 2014

**SUBJECT:** Approval of bid waiver and purchase of ozone disinfection system equipment for the Paul R. Noland wastewater plant from BlueInGreen, LLC of Fayetteville, AR.

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#### RECOMMENDATION:

City Administration recommends approval of a bid waiver with BlueInGreen, LLC to purchase an ozone disinfection system for the Paul R. Noland wastewater treatment plant in the amount of \$1,780,825 exclusive of any applicable taxes.

#### BACKGROUND:

Disinfection of wastewater discharged from the City's Paul R. Noland wastewater treatment plant is required by the National Pollutant Discharge Elimination System (NPDES) permit issued by the State for this facility. Since August of 1999, this required disinfection has been accomplished by using ultraviolet light (UV), which at the time of purchase was the most environmentally friendly cost effective disinfection method available. That UV disinfection system is near the end of its useful life from the standpoint of being used as a primary disinfection system, although the system does still function and can be pressed into service as a backup or intermittent use system. BlueInGreen, a local innovative environmental systems firm has developed a process to cost-effectively utilize ozone for wastewater disinfection, which has many additional environmental benefits above and beyond those offered by UV or other disinfection systems. The BlueInGreen system is protected by various patents and pending patents and there is no other system on the market that uses this same type of technology to introduce dissolved ozone into the water stream to be disinfected. It is neither practical nor feasible therefore to competitively bid the purchase of this equipment.

#### DISCUSSION:

The City of Fayetteville has worked diligently over a multi-year period in cooperation with BlueInGreen to pilot test and prove that the new technology can and will function at the City's facility and City Staff as well as CH2M HILL staff are confident that the system can meet all applicable NPDES standards. In addition, samples of plant effluent treated with ozone have been analyzed on several occasions for emerging contaminants of concern (ECC), including various hormones and pharmaceuticals that typically pass through conventional wastewater treatment processes and are discharged into the receiving stream. In the case of the Noland

facility, that discharge goes into the White River and eventually into Beaver Lake which is the source of drinking water for the City of Fayetteville as well as most of Northwest Arkansas. The Noland plant effluent was found to have 30 of the ECC's present before disinfection and 16 of those were reduced beyond the detection limit by the ozone disinfection process with 13 of the remaining 14 reduced by at least 25%. By contrast, the existing UV disinfection process reduced no analytes to the detection level and only reduced 10 by as much as 25%. Ozone disinfection also removes virtually all color from the treated effluent and provides a very high level of oxygenation. Even though staff is recommending that the equipment purchase be made via this requested bid waiver, the installation of the equipment will be competitively bid in the near future. Since the BlueInGreen equipment is so new, any potential contractor bidding on the installation would have likely felt pressure to place a higher than normal markup on the equipment in order to guarantee performance. By utilizing this requested bid waiver to procure the equipment, the City will be able to hold BlueInGreen responsible for delivering a fully functional system of individual components with a full 2-year guarantee.

**BUDGET/STAFF IMPACT:**

Funds are available within the Disinfection System Replacement project budget.

**Attachments:**

Staff Review Form-

## City of Fayetteville - Purchase Order Request (PO)

(Not a Purchase Order)

**All PO Requests shall be scanned to the Purchasing e-mail: [Purchasing@fayetteville-ar.gov](mailto:Purchasing@fayetteville-ar.gov).**  
Purchase shall not be made until an actual PO has been issued.

Requisition No.: \_\_\_\_\_ Date: **9/19/2014**  
BlueinGreen, LLC  
Page 5 of 6

P.O Number: \_\_\_\_\_

Vendor #: <b>16503</b>	Vendor Name: <b>BlueinGreen, Inc.</b>	Mail <input type="checkbox"/> Yes <input type="checkbox"/> No	<b>Legistar#: 2014-0413</b>
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Address: <b>Attn: Clete Brewer, 535 W Research Blvd, Suite 135</b>	FOB Point:	Taxable <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Expected Delivery Date:
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City: <b>Fayetteville</b>	State: <b>AR</b>	Zip Code: <b>72701</b>	Ship to code: <b>Fay</b>	Quotes Attached <input type="checkbox"/> Yes <input type="checkbox"/> No
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Requester: <b>Cheryl Partain</b>	Requester's Employee #: <b>2548</b>	Extension: <b>8224</b>		
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Item	Description	Quantity	Unit of Issue	Unit Cost	Extended Cost	Account Number	Project.Sub#	Inventory #	Fixed Asset #
1	<b>UV Disinfection System at Noland.</b>	1	<b>Unit of Issue</b>	<b>1,780,825.00</b>	<b>\$1,780,825.00</b>	<b>5400.5800.5801.00</b>	<b>10008.1</b>		<b>Multiple</b>
2					\$0.00				
3					\$0.00				
4					\$0.00				
5					\$0.00				
6					\$0.00				
7					\$0.00				
8					\$0.00				
9					\$0.00				
10					\$0.00				
*	Shipping/Handling		Lot		\$0.00				

Special Instructions:	Subtotal: <b><u>\$1,780,825.00</u></b> Tax: <b><u>\$0.00</u></b> Total: <b><u>\$1,780,825.00</u></b>
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Approvals:

Mayor: _____	Department Director: _____	Purchasing Manager: _____
Chief Financial Officer: _____	Budget Director: _____	IT Director: _____
Dispatch Manager: _____	Utilities Manager: _____	Other: _____

