

# CITY OF HIGH POINT

## AGENDA ITEM



**Title:** Ward Water Treatment Plant Upgrades – Wharton-Smith, Inc.

**From:** Terry Houk – Public Services Director

Derrick Boone – Public Services Asst. Director **Meeting Date:** September 17, 2018

Trevor Spencer – Projects Engineer

**Public Hearing:** N/A

**Advertising Date:** June 8, 2018

**Advertised By:** Purchasing

**Attachments:** Formal Bid Recommendation

Attachment A – Recommendation of Award and Certified Bid Tabulation

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### **PURPOSE:**

The City has budgeted for electrical and HVAC upgrades to the Ward Water Treatment Plant.

### **BACKGROUND:**

The Ward Water Treatment Plant has been evaluated by Black and Veatch International Company for electrical and HVAC upgrades to meet current industry standards and improve long term functionality of the water plant. The lowest bidder is a properly licensed contractor and has been recommended by Black and Veatch to be awarded the contract.

### **BUDGET IMPACT:**

Funds for this project are available in the FY 2018-2019 Annual Budget .

### **RECOMMENDATION / ACTION REQUESTED:**

The Public Services Department recommends approval of the contract and that the appropriate City official and/or employee be authorized to execute all necessary documents to award the services to Wharton-Smith, Inc. in the amount of \$12,737,000.<sup>00</sup>.



**FORMAL BID RECOMMENDATION  
REQUEST FOR COUNCIL APPROVAL**

DEPARTMENT: **Public Services**

COUNCIL AGENDA DATE: **Sep 17, 2018**

BID NO.: **56-082218** CONTRACT NO.:  DATE OPENED: **Aug 22, 2018**

**DESCRIPTION:**

**Ward Water Treatment Plant Upgrades**

**PURPOSE:**

**The City has budgeted for electrical and HVAC upgrades to the Ward Water Treatment Plant.**

**COMMENTS:**

**The Ward Water Treatment Plant has been evaluated by Black and Veatch International Company for electrical and HVAC upgrades to meet current industry standards and improve long term functionality of the water plant.**

RECOMMEND AWARD TO: **Wharton-Smith, Inc.** AMOUNT: **12,737,000.00**

**JUSTIFICATION:**

**At the August 22nd bid opening, Wharton-Smith, Inc. was the low bidder of the five (5) qualified bidders that submitted a bid.**

ACCOUNTING UNIT	ACCOUNT	ACTIVITY	CATEGORY	BUDGETED AMOUNT
421779	533701	421141026605	40201	12,737,000.00
TOTAL BUDGETED AMOUNT				12,737,000.00

DEPARTMENT HEAD: **Terry Houk** Digitally signed by Terry Houk  
DN: cn=Terry Houk, o=City of High Point, ou=Public Services, email=terry.houk@highpointnc.gov, c=US  
Date: 2018.09.05 09:46:18 -0400 DATE: **Sep 5, 2018**

**The Purchasing Division concurs with recommendation submitted by the **Public Services** and recommends award to the lowest responsible, responsive bidder **Wharton-Smith, Inc.** in the amount of \$ **12,737,000.00**.**

PURCHASING MANAGER: **Erik Conti** Digitally signed by Erik Conti  
DN: cn=Erik Conti, o=ou, email=erik.conti@highpointnc.gov, c=US  
Date: 2018.09.06 15:56:28 -0400 DATE: **Sep 6, 2018**

Approved for Submission to Council  
FINANCIAL SERVICES DIRECTOR: **Jeffrey A. Moore** Digitally signed by Jeffrey A. Moore  
Date: 2018.09.07 08:40:03 -0400 DATE: **Sep 7, 2018**

CITY MANAGER: **Greg Demko** Digitally signed by Greg Demko  
DN: cn=Greg Demko, o=High Point, ou=High Point, email=greg.demko@highpointnc.gov, c=US  
Date: 2018.09.07 09:34:51 -0400 DATE: **Sep 7, 2018**



August 29, 2018

City of High Point  
Ward Water Treatment Plant Upgrades

Project No. 190221  
B&V File 60.5000

City of High Point  
211 South Hamilton Street  
Suite 206  
High Point, NC 27261

Attention: Trevor Spencer, Project Manager  
Subject: Recommendation of Award

On August 22, 2018 at 2:00 p.m., bids were opened for the Ward Water Treatment Plant Upgrades project. The proposed Work consists of the following:

Process and Electrical Upgrades:

- Demolition of the existing 2300V power supply and related equipment serving high service pumps.
- New 4160V power supply including switchgear, transformers, medium voltage AFDs and 4160V rated motors for high service pumps.
- Electrical building to house switchgear and AFDs for high service pumps, and associated facilities.
- Demolition of MCC units.
- Upgrade of existing 480V power supply with new MCCs and feeders to MCCs.
- New medium voltage cable and conduit and low voltage cable and conduit to power existing loads and new equipment.
- New 12 MGD high service pump with 4160V rated motor with AFD and associated piping.
- New 12 MGD transfer pump with 480V rated motor with AFD and associated piping.
- Replace existing starters with soft starters for TP-5,6 and AFDs for TP-2,3.
- New plant control system.
- Associated sitework including grading, paved access road and parking, yard piping, ductbank, storm drainage, seeding, and erosion control.
- Appurtenant work as indicated in these specifications and on the contract drawings.

HVAC Upgrades:

- Demolition of existing Boiler/Chiller in Operations Building with associated ductwork.
- Installation of new single large heat pump and associated piping.
- Replacement of dehumidifier serving transfer pump room/filter gallery area.
- Provision of supply and exhaust fans, electric duct heater, and exhaust stacks for the laboratory spaces within the Operations Building.
- Electrical work associated with HVAC upgrades.

Ten contractors held bid documents and five bids were received. We conclude that the project was adequately advertised and available to the construction industry.

A Tabulation of Bids received is attached.

The low bid was submitted by Wharton-Smith, Inc. whose corporate headquarters is in Sanford, Florida; however, they maintain a local office in Charlotte, NC. Their total bid amount was \$12,737,000. The second and third lowest bids were within 1.4% of the low bid. Therefore, we conclude that the bid is responsible and is an accurate reflection of the cost of the work.

The bidders were requested to submit names of subcontractors for electrical and HVAC work. All five bidders named Industrial HVAC for the HVAC work. Most named Cooper Electric for electrical work. The low bidder named Sinns and Thomas of NC (S&T) for electrical work. We verified with low bidder that S&T is properly licensed in NC to do the work and has adequate electrical experience. The low bidder's named subcontractors are acceptable.

Bidders were also requested to complete an Equipment Questionnaire naming equipment proposed for use in this project. The low bidder's named equipment is acceptable.

Bidders were also requested to complete an Instrumentation and Control System Questionnaire. The low bidder's named System Supplier and manufacturers of principle devices are acceptable.

Wharton- Smith is properly licensed to do this work.

Therefore, Black & Veatch recommends award of this Contract to the low bidder, Wharton-Smith, Inc. in the lump sum contract amount of \$12,737,000.

Please let us know if you have questions regarding this recommendation.

Best Regards,  
BLACK & VEATCH INTERNATIONAL COMPANY



H. Keith Proffit  
Engineering Manager

Enclosures

cc: Mike Osborne, B&V

City of High Point Ward Water Treatment Plant Upgrades Tabulation of Bids Received August 22, 2018						
DESCRIPTION						
1	Bid Form (Bid Proposal) Executed?					
1	Subcontracts					
1a	Electrical					
1b	HVAC					
2	Adjustment Unit Prices					
2a	Undercutting and Replacement with Select Fill					
3	Bid Amount					
3a	Allowance					
3b	HVAC work within Operations building (including electrical for HVAC Equipment)					
3c	All other Work					
3d	TOTAL BID AMOUNT					
		Jimmy R. Lynch & Sons, Inc.	Adams Robinson Enterprises, Inc.	English Construction Company, Inc.	Crowder Construction Company	Wharton-Smith, Inc.
		YES	YES	YES	YES	YES
		Cooper Electrical	Cooper Electrical	Cooper Electrical	N/A - Self Perform	Sinns & Thomas of NC Inc.
		Industrial HVAC	Industrial HVAC	Industrial HVAC	Industrial HVAC	Industrial HVAC
		\$ 20.00	\$ 200.00	\$ 150.00	\$ 25.00	\$ 150.00
		\$ 377,201.00	\$ 377,201.00	\$ 377,201.00	\$ 377,201.00	\$ 377,201.00
		\$ 2,757,163.00	\$ 2,012,000.00	\$ 2,711,799.00	\$ 2,650,000.00	\$ 2,509,799.00
		\$ 9,612,424.00	\$ 14,793,799.00	\$ 11,014,000.00	\$ 9,891,799.00	\$ 9,850,000.00
		\$ 12,746,788.00	\$ 17,183,000.00	\$ 14,103,000.00	\$ 12,919,000.00	\$ 12,737,000.00

## Certification Statement:

I hereby certify that this is a true tabulation of Bids received August 22, 2018 for the Ward Water Treatment Plant Upgrades Project.


 H. KEITH PROFIT  
 ENGINEER  
 8749  
 NORTH CAROLINA  
 PROFESSIONAL SEAL  
 8/28/2018