

# CITY OF HIGH POINT

## AGENDA ITEM



### **Title: Eastside Wastewater Treatment Plant Solids Handling Improvements**

**From:** Terry Houk – Public Services Director  
Carol McDowell – Asst. Director Public Services

**Meeting Date:** January 20, 2015

**Public Hearing:** N/A

**Advertising Date:** November 12, 2014

**Advertised By:** Purchasing

**Attachments:** Attachment A – H&S Bid Recommendation Letter and Bid Information  
Attachment B – Pictures of Existing Solids Handling Equipment

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**PURPOSE:** The City budgeted for the upgrade and replacement of the existing solids handling equipment at the Eastside Wastewater Treatment Plant. The Purchasing Department, with design by Hazen & Sawyer Engineers, issued bid documents for this replacement project.

**BACKGROUND:** The City of High Point disposes bio-solids from the wastewater system via incineration. The current solids handling equipment, due to age and serviceability life, requires replacement and upgrades. The work for this project will include installation of two new centrifuges, two new cake pumps, and rehabilitation of the incinerator to comply with new EPA air emission requirements.

The City has prepurchased the centrifuges, cake pumps, and incinerator under separate bids. This project will install all the new equipment and any additional required equipment to make the new solids handling system operational.

The existing centrifuges will be used for spare parts to keep the Westside WWTP centrifuge operational for another 4-5 years.

**BUDGET IMPACT:** Funds for this project are in the following account: 421779-533701-421111025205-40201

**RECOMMENDATION / ACTION REQUESTED:** The Public Services Department recommends approval and asks for the Council to award the project to Warton-Smith, Inc. in the amount of \$8,847,850.<sup>00</sup>.

4807 Hermitage Road  
Suite 203  
Richmond, VA 23227

804 266-1400  
hazenandsawyer.com

January 8, 2015

Mr. Terry Houk  
Public Service Director  
City of High Point  
P.O. Box 230  
High Point, North Carolina 27261

Re: Eastside Wastewater Treatment Plant  
Solids Handling Improvements  
Bid No. 13-121014

Dear Mr. Houk:

Bids for the construction of the Eastside Wastewater Treatment Plant Solids Handling Improvements Project were received on January 7, 2015. Four general contractors submitted bids and the certified bid tabulation is attached.

Warton-Smith Inc. is the apparent low bidder with a total bid of \$8,847,850. The average of the eight bids received was \$10,109,988. The engineer's estimate of probable cost for this part of the project was \$8,764,000; so the apparent low bidder is less than 1% above the engineer's estimate. Upon detailed review, their bid was determined to be in order and in accordance with the requirements of the Notice to Bidders.

The bid documents allowed for a unit price bid item for the temporary biosolids dewatering and processing and also for the temporary biosolids hauling and disposal. Hazen and Sawyer reviewed the bids from the four bidders and determined that there is no combination of unit price bid items that would result in a lower bid from any other bidder.

Hazen and Sawyer thoroughly reviewed the four submitted bid document and recommend that the City of High Point proceed with award to the low bidder, Warton-Smith Inc. Construction Group in the amount of \$8,847,850 (including the unit price items as described above). Please do not hesitate to call if you have any questions.

Very truly yours,  
**Hazen and Sawyer, P.C.**



Laurissa H Cabbage, P.E.  
Senior Principal Engineer

cc: Carol McDowell, City of High Point  
Todd Johnson, Hazen and Sawyer

## BID TABULATION

**Bid Date:** January 7, 2015  
**Bid Opening Time:** 2:00 p.m.  
**Bid Number** 13-121014

## CERTIFICATION

The bids tabulated herein were opened and read aloud at 2:00 p.m. on the 7th day of January, 2015 at the Municipal Office Building in the City of High Point, NC. The tabulation is correct in that it lists the Bid Item Amounts and the Lump Sum Base Bid Amount as presented in the original price proposals from each bidder.

HAZEN AND SAWYER, P.C.

Laurissa Cabbage, P.E.  
Senior Principal Engineer



11/8/15





**FORMAL BID RECOMMENDATION  
REQUEST FOR COUNCIL APPROVAL**

DEPARTMENT: **Public Services**

COUNCIL AGENDA DATE: **January 20, 2014**

BID NO.: **13-121014** CONTRACT NO.:  DATE OPENED: **Jan 7, 2015**

**DESCRIPTION:**

Installation of new solids handling disposal equipment and rehabilitation of incinerator to meet EPA air emission requirements.

**PURPOSE:**

Upgrade of solids disposal system for wastewater

**COMMENTS:**

Upgrade will allow the City of High Point to process bio-solids for disposal via incineration.

RECOMMEND AWARD TO: **Wharton-Smith Inc. Construction Group** AMOUNT: **\$8,847,850.00**

**JUSTIFICATION:**

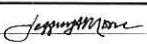
Lowest responsible, responsive bidder.

ACCOUNTING UNIT	ACCOUNT	ACTIVITY	CATEGORY	BUDGETED AMOUNT
421779	533701	421111025205	40201	\$8,847,850.00
TOTAL BUDGETED AMOUNT				

DEPARTMENT HEAD: **Terry L. Houk** Digitally signed by Terry L. Houk  
DN: cn=Terry L. Houk, o=Public Services, ou=City of  
High Point, email=terry.houk@highpointnc.gov, c=US  
Date: 2015.01.09 11:07:41 -0500 DATE: **Jan 9, 2015**

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 \$ **8,847,850.00**.

PURCHASING MANAGER: **Tarinda Chappell** Digitally signed by Tarinda Chappell  
DN: cn= Tarinda Chappell, o=City of High Point, ou=Purchasing,  
email=tarinda.chappell@highpointnc.gov, c=US  
Date: 2015.01.09 11:29:06 -0500 DATE: **Jan 9, 2015**

Approved for Submission to Council  
FINANCIAL SERVICES DIRECTOR:  Digitally signed by Jeffrey A. Moore  
DN: cn=Jeffrey A. Moore, o=City of High Point, ou=Financial Services Director,  
email=jfmoore@highpointnc.gov, c=US  
Date: 2015.01.12 11:36:55 -0500 DATE: **Jan 12, 2015**

CITY MANAGER: **Greg Demko** Digitally signed by Greg Demko  
DN: cn=Greg Demko, o, ou, email=greg.demko@highpointnc.gov,  
c=US  
Date: 2015.01.12 11:36:55 -0500 DATE: **Jan 12, 2015**

## ATTACHMENT B – Agenda Item

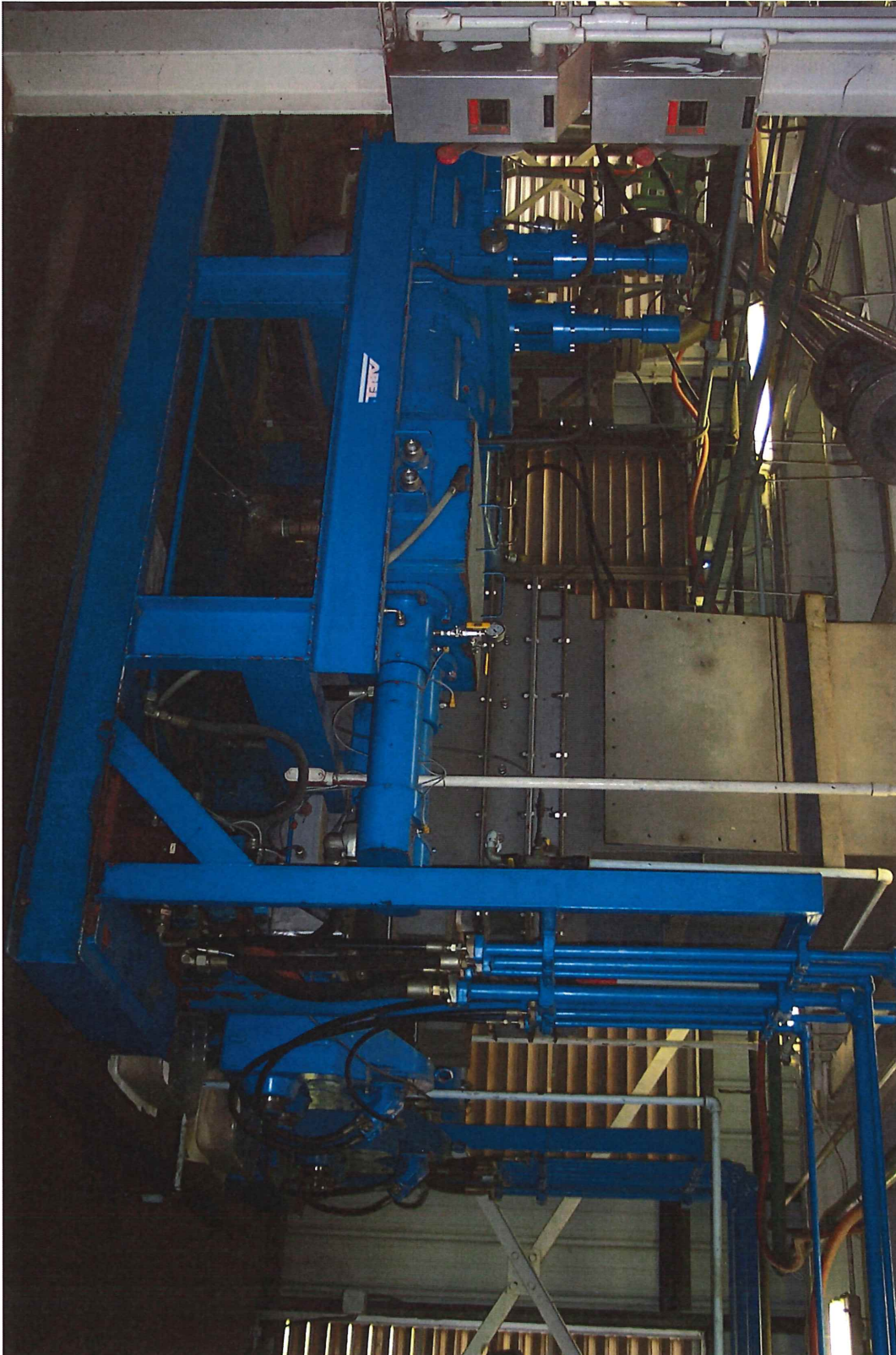
### Existing Centrifuge





## ATTACHMENT B – Agenda Item

### Existing Cake Pumps



## ATTACHMENT B – Agenda Item

### Existing Incinerator

