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**WATER & RESOURCE RECOVERY FACILITY**

**MEMORANDUM**

To: Gregg Mandsager, City Administrator

CC: Nancy Lueck, Finance Director  
Cinda Hilger, Secretary

From: Jon Koch, WRRF Director

Date: September 27, 2018

Re: High Strength Waste Receiving Approval of Plans, Specifications, Form of Contract, Estimates and Bid Opening Date

**INTRODUCTION:** The Water and Resource Recovery Facility (WRRF) has prepared a resolution for approving plans, specifications and form of contract as well as establishing a bid opening date for the High Strength Waste (HSW) Receiving Station Project.

**BACKGROUND:** The HSW Receiving Station has been in the planning phase for nearly six years. This station will receive source separated organic solid waste and liquid organic waste for addition to anaerobic digesters for the production of biogas and natural fertilizer. This material is generally destined for landfills and will come from the surrounding region as it is produced by industrial food manufacturers, restaurants, grocery stores, schools and residences. This material will be charged a tipping fee from these waste generators to pay for the receiving station and continue to generate revenue for the City into the future. Future phases will incorporate a gas cleaning system and use of the purified gas for energy production either in local electricity production, vehicle fuel or direct gas transmission line injection for down the line energy.

This project was recently relocated to a larger area at the WRRF to accommodate anticipated truck unloading flow more efficiently and to reduce cost. The engineering to complete the design plans and complete the contract to take the project to bid was \$194,215.00 and was approved by Council on September 20, 2018. The construction estimates for the HSW Receiving Station is \$2.8 million to be paid from the Plant Replacement Reserve fund. \$3 million has been budgeted for this project. A bid opening date is proposed for October 30<sup>th</sup>, at 10:00 am.

**RECOMMENDATION/RATIONALE:** Staff recommends acceptance of the attached resolution approving the High Strength Waste Receiving Station plans, specifications, form of contract, estimated construction costs and bid opening date.

**"I remember Muscatine for its sunsets. I have never seen any  
on either side of the ocean that equaled them" — Mark Twain**

## RESOLUTION #94499-1018

### A RESOLUTION APPROVING THE PLANS, SPECIFICATIONS, FORM OF CONTRACT, COST ESTIMATIONS AND ESTABLISHING A BID OPENING DATE FOR THE HIGH STRENGTH WASTE RECEIVING STATION PROJECT

WHEREAS, the City Council of the City of Muscatine, Iowa, has conducted a public hearing to receive comments related to the Plans, Specifications, Form of Contract and Cost Estimations for the High Strength Waste Receiving Station Project, and

WHEREAS, following comments received during the public hearing, the City Council must now approve the final plans, specifications, form of contract and establish a bid opening date for the High Strength Waste Receiving Project;

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF MUSCATINE, IOWA, that the plans, specifications and form of contract for the High Strength Waste Receiving Station Project are approved, and

BE IT FURTHER RESOLVED, that a bid opening date is hereby established for Tuesday, October 30<sup>th</sup>, 2018, at 10:00 am.

PASSED, APPROVED, AND ADOPTED this 4<sup>th</sup> DAY OF OCTOBER, 2018

BY THE CITY COUNCIL OF THE  
CITY OF MUSCATINE, IOWA

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Diana Broderson, Mayor

ATTEST:

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Gregg Mandsager, City Clerk