

COUNCIL ACTION FORM

**SUBJECT: RESOURCE RECOVERY PRIMARY SHREDDER REPLACEMENT
DESIGN AND ENGINEERING SERVICES**

BACKGROUND:

Resource Recovery developed a two-phased approach for the replacement of the 38-year-old, original primary shredder. For the first phase scheduled for FY 2012/13, the City Council authorized the solicitation of proposals for engineering services on January 8, 2013, with funding in the amount of \$130,000. The selected firm is to provide complete demolition and construction bid documents. Work will involve removing the old equipment and installing a new, slow speed - high torque shredder along with work on associated conveyors and chutes. Replacement equipment will be evaluated to determine best value by throughput, component replacement, and electric demand with focus on safety and efficiency. An option was included for the firms, if interested, to provide Construction Management Services during Phase Two of the replacement.

Phase Two, actual replacement and construction, is proposed for FY 2013/14 and will be targeted to coincide with the Electric Utility's fall outage within a October/November 2013 timeline.

Proposals for this work were received from two engineering firms, and were evaluated according to the following criteria: responsiveness to proposal requirements, firm information, experience and qualifications, understanding of the project, and proposed professional fee.

Listed below is the rating information based on this evaluation:

Proposed Ratings / Rankings

	Overall Score	Design Eng. Fee	Construct Mgmt Fee	Proposed Not to Exceed
Renewable Resource Consultants	314.00	\$73,900	\$25,500	\$99,400
Brown Engineering Company	287.60	\$84,400	\$9,800	\$94,200

Staff is recommending proceeding with negotiating a contract with the highest rated firm, Renewable Resource Consultants from Maple Grove, Minnesota. This consultant has a robust history of successfully designing and engineering waste-to-energy plant renovation and modification projects. Their Project Manager is

the Senior Vice President and has a strong background in engineering management, project management, design, construction support, and start-up monitoring. Renewable Resource Consultants also has extensive direct experience in waste-to-energy plant design. Based on staff's evaluation using the above criteria, Renewable Resource Consultants from Maple Grove, Minnesota will provide the best value to the City in designing this project, as well as providing construction management services during Phase Two of the replacement.

ALTERNATIVES:

1. Approve the design, engineering, and construction management services agreement for the Resource Recovery Primary Shredder Replacement with Renewable Resource Consultants from Maple Grove, Minnesota, in an amount not to exceed \$99,400.
2. Direct staff to negotiate an engineering agreement with the other consulting firm.
3. Direct staff to make changes to the project.

MANAGER'S RECOMMENDED ACTION:

Waste-to-energy experience will be very important in both the design and construction management phases. Therefore, the staff believes that it is in the best interest of the City to approve Renewable Resource Consultants for the design, engineering, and construction management services agreement for the Resource Recovery Primary Shredder Replacement Project.

Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1, thereby approving the design, engineering, and construction management services agreement for the Resource Recovery Primary Shredder Replacement with Renewable Resource Consultants from Maple Grove, Minnesota, in an amount not to exceed \$99,400.