

COUNCIL ACTION FORM

SUBJECT: CONSTRUCTION OF ULTRAVIOLET (UV) DISINFECTION SYSTEM AT WATER POLLUTION CONTROL FACILITY

BACKGROUND:

As part of the new National Pollution Discharge Elimination System (NPDES) permit for the Water Pollution Control (WPC) Facility, the effluent must now meet seasonal (March 15-November 15) in-stream water quality standards for *E. Coli*, a bacteria used as an indicator of human waste contamination. The new NPDES permit includes a compliance schedule to construct a disinfection system, with the system required to be operational by the Spring of 2014.

On July 10, 2012, Council approved specifications and issued a Notice to Bidders to construct an ultraviolet disinfection system for the WPC Facility. On August 8, 2012, project bids were opened. Three bids were received and are summarized below.

| Bidders | Disinfection System Construction | UV Equipment Allowance | Total Project Bid Price |
|----------------------------|----------------------------------|------------------------|-------------------------|
| Garney Companies, Inc. | \$1,649,980.00 | \$334,620.00 | \$1,984,600.00 |
| Woodruff Construction, LLC | \$1,989,580.00 | \$334,620.00 | \$2,324,200.00 |
| Story Construction Co. | \$1,990,380.00 | \$334,620.00 | \$2,325,000.00 |

The engineer's estimate for construction is \$2,010,000.

Council already awarded a contract on January 10, 2012 to Trojan Technologies for purchase of the UV equipment in the amount of \$371,800.00. As part of that contract, the City will pay 10 percent of the contract price after approval of shop drawing submittals. Payment for the remaining 90 percent of the contract (the allowance amount provided on the proposal form and listed in the table above) will be assigned to the general contractor as part of this award.

Funding for this project will be through a low-interest loan from the Clean Water State Revolving Fund, with repayment of the loan coming from the Sanitary Sewer Fund. A hearing on the SRF loan will take place on September 11, 2012.

ALTERNATIVES:

1. Award a contract and the re-assignment of the UV equipment to the low bidder, Garney Companies, Inc. of Kansas City, Missouri, in the amount of \$1,984,600.00.
2. Award a contract and the re-assignment of the UV equipment to one of the other companies that submitted a bid.
3. Take no action on the bids at this time. This delay will most likely result in the City violating the terms of its NPDES permit upon the expiration of the compliance schedule.

MANAGER'S RECOMMENDED ACTION:

This disinfection system is a requirement of the WPC Facility's NPDES permit, and a binding compliance schedule has been established to install this system. The project is listed on the SRF intended-use plan which indicates the City's intention to use the loan program for construction costs.

After reviewing the bids and supplemental information as well as checking references, it is the recommendation of the City Manager that Council adopt Alternative No. 1, thereby approving award of the contract for construction of an ultraviolet disinfection system at the WPC Facility and re-assigning the UV equipment to Garney Companies, Inc. of Kansas City, Missouri in the amount of \$1,984,600.00.