

COUNCIL ACTION FORM

SUBJECT: WATER POLLUTION CONTROL FACILITY – RAW WATER PUMP STATION HVAC HEAT RECOVERY UNIT

BACKGROUND:

The City's Water Pollution Control (WPC) Facility has a heat recovery unit on the raw water pump station. When the building is occupied, several air exchanges each hour must occur. The air exchanges draw in outside air or "make-up" air. However, in the winter, the make-up air significantly reduces the temperature of the building, affecting the equipment and the staff working inside. Typically, a heating/ventilation/air conditioning (HVAC) system uses a heater to warm the incoming air. A heat recovery unit (HRU) uses a heat exchanger to increase the temperature of the incoming air with the heat from the air that is ventilated or released. The current HRU is no longer working properly. A more energy-efficient replacement fits well into the City's "Cool Cities" vision.

Plans and specifications were prepared by Howard R. Green Company. On July 28, 2009, City Council authorized preliminary approval of these plans and specifications and Notice to Bidders.

On August 27, 2009 bids were opened for this project. A summary of all bids follows:

BIDDER	BID AMOUNT
Wolin & Associates	\$ 98,136.00
ACI Mechanical	98,900.00
C&K Heating, Air Conditioning and Plumbing	101,425.00
Mechanical Comfort	102,180.00

The apparent low bidder is Wolin and Associates with a bid price of \$98,136. This project was originally included in the 2008 Capital Improvements Plan as part of the WPC Plant Equipment Project at \$125,000. When budget amendments were made in late 2008, \$25,000 in savings from another the WPC Facility SCADA project was transferred to this HVAC project, bringing the total available funding to \$150,000. The total project budget is as follows:

Engineering	\$ 14,800
Construction	98,136
Contingency (15%)	14,720
Total Estimated Project Cost	\$127,656

Upon Council approval, this project will begin in late September and is scheduled for completion by April 30, 2010.

ALTERNATIVES:

1. Award a contract to Wolin & Associates of Des Moines, Iowa in the amount of \$98,136.00.
2. Reject bids and do not award contract at this time.

MANAGER'S RECOMMENDED ACTION:

The existing heat recovery unit at the WPC Facility raw water pump station is not functioning as necessary to maintain building temperature. It is in the City's best interest to remove and replace the heat recovery unit to protect the equipment and provide appropriate working conditions for staff. Replacing the heat recovery system is the most energy-efficient and cost-effective option available at this time.

Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1, thereby approving the contract to Wolin & Associates of Des Moines, Iowa in the amount of \$98,136.00.