ITEM # 17
DATE 01-25-2011

COUNCIL ACTION FORM

SUBJECT: AWARD CONTRACT FOR NEW PUMPS AT WATER POLLUTION CONTROL PLANT

BACKGROUND:

Currently, there are 14 pumps at the Water Pollution Control Plant, six in the raw water pump station and eight in the trickling filter pump station. These pumps are absolutely essential; and due to rapidly increasing problems, Council authorized a five-year replacement schedule as part of the 2009-2014 Capital Improvements Plan (CIP). Two raw water pumps have been replaced, and four first-stage trickling filter pumps have been ordered. In November 2010, a request for bids was issued to replace three pumps; but as noted in the bid documents, the City would decide which three pumps to replace at the time of contract award. Prices provided from the manufacturer are unit prices for each different pump. The bid alternate requests the manufacturer provide a premium-efficiency motor for the pumps.

Bids were received December 7, 2010 as follows:

Raw water vertical turbine solids-handling pump

Base bid – high-efficiency motor		*Bid Alternate - NEMA Premium™ Motor*	
Bidder	**Unit Cost, $**	**Bidder**	**Unit Cost, $**
Fairbanks Morse	No bid	Fairbanks Morse	88,744.00

Second-stage trickling filter vertical turbine solids-handling pump

Base bid – high-efficiency motor		*Bid Alternate - NEMA Premium™ Motor*	
Bidder	**Unit Cost, $**	**Bidder**	**Unit Cost, $**
Fairbanks Morse	87,871.00	Fairbanks Morse	88,664.00

The 2010-2015 CIP includes $300,000 for pump replacement in each of the three remaining years of the project. The CIP planned for three pump replacements each year at $80,000 each. There are four pumps in the second-stage wet well in the trickling filter building; all four pumps have had significant problems. Although the CIP intended to replace only three pumps, there are advantages to having like-brand equipment in a single location. If all the pumps are identical, routine maintenance is less complicated, parts can be interchanged between the pumps, and it allows for better process control. Staff recommends replacing all four second-stage pumps at this time. The cost to purchase four second-stage pumps will be $354,656. **The cost increase in the current year will be offset by a reduction in expenditures reflected in the CIP for fiscal year 2012/13 for this fourth pump.** Because these new pumps are similar to the existing pumps, WPC Plant staff will install the new equipment upon arrival.

ALTERNATIVES:

1. Award the bid to Fairbanks Morse of Kansas City, Kansas to purchase four second-stage vertical turbine solids-handling pumps with premium motors at a total cost of $354,656.00 and authorize an increase in the current-year budget.

2. Award the bid to Fairbanks Morse of Kansas City, Kansas to purchase only three second-stage vertical turbine solids-handling pumps with premium motors at a total cost of $265,992.00 and do not authorize an increase in the current-year budget.

3. Do not award a contract at this time.

MANAGER'S RECOMMENDED ACTION:

The existing pumps are in need of replacement to keep the Water Pollution Control Plant functioning at full capacity. The need for an orderly replacement was planned for in the Capital Improvements Plan. It is also a priority of the City to use cost-effective, energy-efficient technology appropriate in following with the Cool Cities initiative.

Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1, thereby awarding the bid to Fairbanks Morse for four second-stage vertical turbine solids-handling pumps and increasing the current-year budget. This action will result in an expenditure decrease in the future CIP.