

COUNCIL ACTION FORM

**SUBJECT: WATER POLLUTION CONTROL FACILITY SCREW PUMP
REPAINTING AND DRIVE REPLACEMENT**

BACKGROUND:

The City's Water Pollution Control (WPC) Facility has three Archimedes screw pumps that move solids during part of the treatment process. These pumps are original to the Facility, which was constructed in 1989. The metal screw pumps need to be repainted to protect the metal. The drives are the mechanisms that turn the screw, conveying the solids. Because of the age of the drives, the manufacturer is recommending replacement since they have reached the end of their useful life.

Staff prepared plans and specifications for repainting the pumps and the replacement of the drives. The estimated cost for this project is as follows:

Screw pump repainting	\$86,000
Drive replacement	\$217,500
Contingency, 10%	\$30,000
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Total Cost	\$333,500

On August 12, 2014, Council approved a change in the sequence of the screw pump rehabilitation, delaying the painting portion (\$90,000) that was originally proposed in FY 13/14, and accelerating the drive rehabilitation (\$250,000) that was originally proposed for FY 15/16. This allowed the entire work to be performed at the same time under a single construction contract, with an authorized budget of \$340,000.

ALTERNATIVES:

1. Issue preliminary approval of plans and specifications for the WPC screw pump repainting and drive replacement and issue a notice to bidders setting February 11, 2015, as the bid due date and February 24, 2015, as the date of public hearing.
2. Do not issue preliminary approval of plans and specifications and a notice to bidders at this time.

MANAGER'S RECOMMENDED ACTION:

The WPCF's screw pumps are critical to the operation of the WPC Facility. **Failing to address these issues now may result in significant failures in the future that could result in environmental harm.**

Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative 1, thereby issuing preliminary approval of plans and specifications and issuing a notice to bidders setting February 11, 2015, as the bid due date and February 24, 2015, as the date of public hearing.