

COUNCIL ACTION FORM

SUBJECT: WATER POLLUTION CONTROL FACILITY SCREW PUMP DRIVE REPLACEMENT

BACKGROUND:

The Water Pollution Control Facility (WPCF) was constructed in 1989. There are three 54" Archimedes screw pumps that are original to plant construction. The screw pump bearings (upper/lower) and grease pump assemblies were replaced in 2014, along with sandblasting and recoating all three screw pumps. **The drive assemblies are now at the end of their useful life and need to be replaced.** Replacing the drive assemblies is the last phase in rehabbing the three screw pumps.

Staff has prepared specifications for replacement of the screw pump drives. The estimated lump sum cost for this project is \$120,000. The authorized CIP budget for this project is \$200,000 shown in FY 18/19 as a part of the WPC Plant Facility Improvements project.

ALTERNATIVES:

1. Issue preliminary approval of plans and specifications for the WPCF screw pump drive replacement and issue a notice to bidders setting November 28, 2018, as the bid due date and December 11, 2018, as the date of public hearing and award.
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 for the operation of the WPCF. Failing to replace equipment at the end of its useful life may result in significant failures in the future. 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 November 28, 2018, as the bid due date and December 11, 2018, as the date of public hearing.