

COUNCIL ACTION FORM

**SUBJECT: WATER POLLUTION CONTROL FACILITY SCREENINGS
IMPROVEMENT PROJECT**

BACKGROUND:

The Water Pollution Control Facility (WPCF) was constructed in 1989. The first step of the treatment process is screening the incoming flow to remove any large debris that could damage equipment or could potentially plug pipes. The current screening process splits the influent into three channels, each of which lead to a barscreen. The two outside channels have identical equipment that is original to the plant. The middle barscreen is a different technology that was installed several years ago, which has not performed to the satisfaction of the City. This project will replace the middle channel equipment with a mechanical barscreen similar to the other two. On December 16, 2014 Council awarded a design contract to prepare plans and specifications for a replacement screening system to HDR Engineering in the amount of \$90,135.

The design of the new screenings system is now complete. The new barscreen will have a washer, compactor, and bagging system that will allow staff to discontinue the practice of grinding and placing screenings back into the process. This will reduce maintenance on equipment further downstream in the process. Bagged screenings will be brought to the Resource Recovery Plant to be used as refuse-derived fuel.

The amended FY 16/17 CIP includes a total project budget of \$894,542. The current project estimate is as follows.

Engineering	\$ 90,135
Construction Estimate	824,400
Contingency (~20%)	164,465
<u>Total Project Estimate</u>	<u>1,079,000</u>

Savings in the WPC Structural Repair project are available to cover the anticipated costs for the barscreen project. Staff will recommend an appropriate budget adjustment at the time of award when the actual construction costs are known.

ALTERNATIVES:

1. Grant preliminary approval of the plans and specifications and issue Notice to Bidders, setting July 26, 2017 as the bid due date and August 8, 2017 as the date for 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 current equipment in the center channel is inoperable. Replacement with different equipment will improve operation of the facility. The project will result in improved handling methods for the removed screenings.

Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1 as described above.