

**COUNCIL ACTION FORM**

**SUBJECT: WATER POLLUTION CONTROL FACILITY MOTOR CONTROL CENTER NO. 1 REPLACEMENT PROJECT**

**BACKGROUND:**

The City's Water Pollution Control (WPC) Facility has an electrical panel that distributes power and provides overload protection to all of the equipment in the Raw Water Pump Station. Over the years, various corrosive gases present in the building have contributed to a deterioration of the electrical connections. In order to ensure continued power and proper protection for the motors, this unit must be replaced. This is part of the normal cycle of infrastructure replacement within a wastewater treatment plant.

In order for a contractor to perform this project safely, the entire control panel must be isolated with all power locked out. Since the WPC Facility must remain in continuous operation, however, a portable generator must be used to maintain treatment. This project will involve rental of a portable generator, temporary connections of the generator to supply power to the facility, removal of the existing control panel and installation of the new panel, and restoration of normal operation. The project will necessitate extensive coordination from the general contractor, possible subcontractors, and City staff to schedule the project during a time of low flow to minimize the number of portable generators necessary and to maximize the time frame to accomplish the project.

The need for the replacement of this panel was discovered last fall during an inspection of the switchgear in the pump station. The project had not been programmed in the Capital Improvements Plan (CIP); but because of its condition, this is a high-priority need. Staff is recommending that capital project funds available in the current year intended to replace the main plant transformer (\$88,741) and to replace a waste activated sludge pump (\$48,000) be redirected to this project. The transformer replacement will be delayed one year and will be inserted into the FY 2013/14 CIP. The sludge pump replacement will be delayed for at least two years.

**Project Estimate**

Engineering	\$ 12,500
Construction	100,000
Contingency (10%)	10,000
<b>Total</b>	<b>\$ 122,500</b>

**Project Budget**

Transformer (FY 12/13)	\$ 88,740
WAS Pump (FY 12/13)	48,000
<b>Total</b>	<b>\$ 136,740</b>

**ALTERNATIVES:**

1. Authorize the reallocation of CIP project funds, approve the preliminary plans and specifications, and issue a Notice to Bidders, setting October 16, 2012, as the bid due date and October 23, 2012, as the date for public hearing and award.
2. Do not approve plans and specifications at this time.

**MANAGER'S RECOMMENDED ACTION:**

Motor Control Center No. 1 supplies power to many integral and vital components of the treatment process at the Water Pollution Control Facility. It is in the City's best interest to replace this equipment in order to ensure uninterrupted service. Because this is a high-priority need, it is appropriate to defer replacement of the transformer and sludge pump and to divert those funds to the replacement of this motor control center.

Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1, thereby approving the reallocation of CIP project funds outlined above, approving the preliminary plans and specifications, and issuing a Notice to Bidders setting October 16, 2012, as the bid due date and October 23, 2012, as the date for public hearing and award.