

# EBER PUBLIC UTILITY DISTRICT REPORT TO BOARD OF DIRECTORS

**MEETING DATE:** April 19, 2018

**FROM:** Laura Fischer, General Manager

**SUBJECT:** Authorize the Repair of the STM Aerators at the Wastewater Treatment Plant.

**ISSUE:**

Shall the Board of Directors authorize the repairs of the north side STM Aerators at the Wastewater Treatment Plant?

**GENERAL MANAGER'S RECOMMENDATION:**

It is recommended that the Board of Directors authorize the repairs of the north side STM Aerators at the Wastewater Treatment Plant.

**FISCAL IMPACT:**

\$42,167 from the Capital Improvement Budget in FY 2017-18

**BACKGROUND:**

In February 2018 the HPUD Board authorized staff to submit an RFP for three wastewater capital improvement projects and to authorize expenditure of funds budgeted from FY 2017-18 and FY 2018-19.

HPUD Engineers have developed the engineer's probable cost for this combined project and we anticipate the project cost will not exceed \$250,000. The remaining balance from the Capital Improvement Project Budget would be approximately \$47,000. Staff recommends allocating these Capital Improvement Project funds to make the needed improvements to the wastewater treatment plant north side STM Aerators. The table below shows the Engineer's Probable Cost Estimates.

<b>WASTEWATER CAPITAL IMPROVEMENT PROJECTS</b>	
<b>HPUD BOARD AUTHORIZED COMBINING FY 2017-18 &amp; FY 2018-19 WASTE WATER PROJECTS AT THE FEB. 15, 2018 BOARD MEETING</b>	
<b>TOTAL AMOUNT AVAILABLE</b>	<b>297,710</b>
<b>ESTIMATED PROJECT COST</b>	
Lift Stations - Parkyns and 6th Street	146,050
Manholes - 7 various locations	103,500
WWTP - aerotors north side	42,167
<b>TOTAL ESTIMATED PROJECT COSTS</b>	<b>291,717</b>
<b>REMAINING FUND - CONTINGENCY</b>	<b>5,993</b>

**DISCUSSION:**

The issue with the STM Aerators at the Wastewater Treatment Plant was identified after the February Board meeting thus it was not included on the agenda at that time. HPUD staff has determined that repairs to the STM Aerators at the Wastewater Plant must be completed to ensure continued compliance with the NPDES permit issued by the State Water Board.



The STM Aerators are a proprietary design and as such all parts and supplies must be purchased from the manufacturer. Operators have contacted the manufacturer and we have received a quote that includes parts, materials, and labor. As HPUD staff has not repaired the STM Aerators and they are large heavy equipment, we are engaging Westec to come and assist us. They will travel to Heber, assist in the installation of the STM Aerators parts and materials, then leave once HPUD staff has learned how to install the replacement parts on our own.



The issue with the STM aerators is that the bolts holding the rotating rods in place have worn. They must be tightened regularly and not allowed to wear. Once worn down the rods begin to move and cause the small wheels to rub.

I have attached the spreadsheet showing the anticipated cost for time and materials for your consideration.

**CONCLUSION:**

As the repairs to the STM Aerotors are required to continue to meet the State Water Board NPDES permit requirements, and as there are funds available in the capital improvement project wastewater fund, due to lower than anticipated cost to repair the two lift stations, staff is recommending approval of the repairs to the wastewater treatment plant STM Aerotors system in the amount of \$35,000.

**ALTERNATIVES:**

- 1) Authorize the repairs to the Wastewater Treatment Plant STM Aerotors, but provide alternative direction on funding options for the project.
- 2) Provide alternative direction to staff.

Respectfully Submitted,

Laura Fischer, General Manager

Attachment: Staff's Project Cost Estimate