
Agenda Memo



Public Works Department

City of Crest Hill

Date:	3/5/2025
Submitter:	Julius Hansen, Interim Director of Public Works
Department:	Public Works
Agenda Item:	East STP Pumps and Flow Meter Expenditures

Summary:

In January of this year, the City Council approved \$60,000, to repair three influent pumps at East STP. One of these three pumps has been repaired in place for a minor issue and now is operational. The two other pumps that went to the repair shop have been evaluated and both are worn out needing a complete rebuild. The total cost to rebuild these pumps is \$93,702.46 (see attached quotes for each pump). If the cost to rebuild the pumps is greater than 50% of a new pump it is recommended to purchase a new pump. Using this industry/engineering standard calculation, it would be best to purchase two new pumps if the cost does not exceed \$187,404.92 to purchase the two new pumps. The cost of installation will be the same for rebuilding or having new pumps. I am waiting for a quote for the new pumps and the cost to install them.

In addition to the influent pumps, a transfer pump has been out of service. This pump has a blown seal that can be repaired in place with an estimated cost of \$10,000. I am waiting on a quote to repair it. A flow meter is not working and the estimate to repair or replace that is \$10,000. The total cost to make all these repairs is estimated not to exceed \$225,000 going with the new pumps. The pump rebuild option is estimated not to exceed \$130,000. The final cost for the work will likely be in this range of \$130,000 to \$225,000.

I want to move as quickly as possible to restore maximum pumping capacity to East STP, so getting these pumps back in service is imperative to achieving that goal. The other items needing

repair are significant to the operation of the facility and need to be completed as quickly as possible.

Recommended Council Action: To approve an amount not to exceed \$225,000 in total to complete the work on the 2 influent pumps (Flygt), the transfer pump (contractor to be determined) and the flow meter (contractor to be determined) at East STP

Attachments: Quotes to rebuild the pumps.