



STAFF REPORT

TO: Board of Commissioners

FROM: Chris Munson, Facilities Manager
Robiy Ellison, Facilities Supervisor

DATE: February 28, 2023

SUBJECT: **Dredge Pump Repair**

Recommendation / Proposed Motion

- **Recommendation:** Allocate an additional \$6,500 to Dredge Pump Maintenance, Major Maintenance line item and decrease the Operating Revenue by an equal amount for the repairs to the dredge pump.
- **Motion:** Move Staff recommendation

District Major Objective/Goal Objective #2

Maintain and enhance a boater friendly atmosphere at Port San Luis for both commercial and recreational boaters.

Policy Implications

- Harbor Commission approves expenditures over \$5,000, that have not been included in the approved budget.

Fiscal Implications / Budget Status

The current 2022-2023 FY budget includes \$20,000 for Dredge Pump Maintenance, funded by \$14,000 from the Dredge Specified Reserves and \$6,000 from Operating Revenues. The repair will cost \$24,824, not including taxes. The budget adjustment will bring the total budget line item to \$26,000, which will cover the costs of repairs and taxes (est. \$1500). The Dredge Specified Reserves balance is currently \$14,920, of which a total of \$14,000 is proposed for use in the original budget.

Alternatives Considered

- Not applying ceramic coating to the pump would reduce costs in the short run but would greatly decrease the life of the pump due to increased service exposure, high velocity flows, and abrasion.

Background

In 2013, the Harbor District purchased a new Toyo DP-50 submersible dredge pump to replace its old pump, which was purchased in 2002. In 2018, the Harbor District reconditioned its older Toyo DP-50 to have two working dredge pumps since renting a

dredge pump isn't a viable option. Having two ensures that the Harbor District will be able to dredge in time for boating season in the event one fails.

After dredge season, if a pump was used, it is sent in for annual repairs. Historically, repair costs have usually been under \$10,000, but in recent years, they've exceeded that threshold. Anticipating higher costs, staff increased the budget to \$20,000, but it was not enough. In addition to the scope of repairs, other reasons for greater repair costs include inflation, labor costs, and continued material cost increases post-pandemic.

The District has used R.F. MacDonald in recent years because they are the closest certified repair facility for Toyo Pumps. Prior to next year's repair, staff will investigate if there are other certified repair facilities in California. Switching facilities may help reduce costs.

Discussion

The current pump being repaired is the older pump purchased in 2002. Last year, the one purchased in 2013 was repaired. The repairs are similar to last year's but have increased due to the reasons noted. Since the District maintains two pumps, it will be able to resume dredging at the beginning of March while the 2nd pump is repaired. Following the season, the one used for dredging will again be sent in for repairs. Having two pumps on-hand is beneficial if one stops working like it did a few years ago.

Conclusion

Repairing the pump will help ensure that the boat launching facilities at Port San Luis are open and available to recreational and commercial boats. Staff recommends the Board approve the proposed motion.

Attachment(s): R.F. MacDonald Quote for Dredge Pump Repair