

Staff Report

for the Regular Meeting of the Board of Directors, August 22, 2018

TO: Board of Directors

FROM: Gary D. King, PE, PhD, Engineering Manager
Adrian Schneider, PE, Senior Engineer

DATE: August 15, 2018

SUBJECT: Loma Rica & Newtown Reservoir Cleaning Project
(FATR #2090 & #6958)

ENGINEERING

RECOMMENDATION:

Award a construction contract to Koch & Koch for the Loma Rica and Newtown Reservoir Cleaning Project in the amount of \$344,100, and authorize the General Manager to execute the necessary documents.

BACKGROUND:

This is the first year of the Reservoir Cleaning program. It was developed in order to start gaining back the District's lost capacity in its reservoirs due to accumulated sediment buildup. The Loma Rica Reservoir was the first in the program and had an estimated 40,000 to 70,000 cubic yards of accumulated sediment. Due to the amount of accumulated sediment this will be a multi-year program for the Loma Rica Reservoir cleaning.

In October and November of 2017 approximately 10,200 cubic yards of sediment was removed from the Loma Rica reservoir and was temporarily stockpiled on a District easement on County property (just north of the reservoir). In December 2017 4,500 cubic yards of the stockpile was moved and placed permanently on the County airport area. This work was done with additional funds in the Capital budget.

In June 18, 2018 a request for quotes was sent out to nine contractors for the cleaning of the Loma Rica Reservoir and the Newtown Reservoir cleaning. On July 31, 2018 Hansen Bros. Enterprises and Koch & Koch submitted their quotes to the District in the total amounts of \$597,809 and \$344,100, respectively.

CEQA activities were conducted for both reservoirs that resulted in approved and adopted Initial Study/Mitigated Negative Declarations. The Loma Rica Reservoir and Newtown

Reservoir declarations (documents) were approved by the Board on June 22, 2013 and March 22, 2017, respectively. Mitigation measures for these two projects will be followed per the adopted CEQA documents.

Staff recommends that the Board award the construction contract to Koch & Koch in the amount of \$344,100. This would include the Newtown Reservoir, the Loma Rica Reservoir, and the temporarily stockpiled sediment adjacent to the Loma Rica Reservoir.

BUDGETARY IMPACT:

Funding for the project comes from the following source:

- \$344,100 of the project funding comes from 2018 Sediment Removal Projects program 10151-52914. The 2018 budget for this program is \$500,000.

Attachments: Quote Results Detail

**Loma Rica & Newtown Reservoir Cleaning Project
Quote Results - July 31, 2018**

| Item | Newtown Reservoir | Qty. | Unit | Contractor | | | |
|------|---|-------|------|--------------------------|----------|-------------|----------|
| | | | | Hansen Bros. Enterprises | | Koch & Koch | |
| | | | | Cost | Total | Cost | Total |
| 1 | Mob/Demob | 1 | LS | \$5,000 | \$5,000 | \$5,000 | \$5,000 |
| 2 | Mitigation Measures/Documents | 1 | LS | \$4,503 | \$4,503 | \$6,500 | \$6,500 |
| 3 | Bypass Piping/Pumping Around Reservoir | 1 | LS | \$34,713 | \$34,713 | \$19,600 | \$19,600 |
| 4 | Reservoir Sediment Removal & Deposit | 6,600 | CY | \$12.08 | \$79,728 | \$8 | \$52,800 |
| 5 | Erosion Control/Stabilization Additions | 1 | LS | \$22,713 | \$22,713 | \$6,500 | \$6,500 |
| | | | | \$146,657 | | \$90,400 | |

| Item | Loma Rica Reservoir | Qty. | Unit | Cost | Total | Cost | Total |
|------|---|--------|------|-----------|-----------|-----------|-----------|
| 1 | Mob/Demob | 1 | LS | \$5,000 | \$5,000 | \$5,000 | \$5,000 |
| 2 | Mitigation Measures/Documents | 1 | LS | \$5,020 | \$5,020 | \$6,500 | \$6,500 |
| 3 | Pumping Standing Water in Reservoir | 1 | LS | \$2,100 | \$2,100 | \$10,900 | \$10,900 |
| 4 | Reservoir Sediment Removal & Deposit | 33,000 | CY | \$10.09 | \$332,970 | \$5 | \$165,000 |
| 5 | Erosion Control/Stabilization Additions | 1 | LS | \$28,000 | \$28,000 | \$9,000 | \$9,000 |
| | | | | \$373,090 | | \$196,400 | |

| Item | Loma Rica Reservoir - Previous Stockpile | Qty. | Unit | Cost | Total | Cost | Total |
|------|--|-------|------|----------|----------|----------|----------|
| 1 | Temporarily Stored Sediment Transport | 5,700 | CY | \$10.66 | \$60,762 | \$9 | \$51,300 |
| 2 | Erosion Control/Stabilization Additions | 1 | LS | \$17,300 | \$17,300 | \$6,000 | \$6,000 |
| | | | | \$78,062 | | \$57,300 | |

| | | | |
|------------|------------------|----------------|------------------|
| HBE | \$597,809 | K&K | \$344,100 |
|------------|------------------|----------------|------------------|