

MINUTES OF A MEETING OF THE  
ENGINEERING/EQUIPMENT COMMITTEE  
OF THE VALLECITOS WATER DISTRICT  
TUESDAY, JULY 26, 2022, AT 3:00 P.M.  
AT THE DISTRICT OFFICE IN THE BOARD ROOM  
201 VALLECITOS DE ORO, SAN MARCOS, CALIFORNIA

Director Hernandez called the meeting to order at the hour of 3:00 p.m.

Present: Director Elitharp  
Director Hernandez  
Assistant General Manager Gumpel  
District Engineer Hubbard  
Capital Facilities Senior Engineer Morgan  
Capital Facilities Assistant Engineer Pereira  
Asset Management Supervisor Bennett  
Senior Executive Assistant Flores  
Engineering Services Assistant Fretwell

PUBLIC COMMENT

None.

ITEM(S) FOR DISCUSSION

CAPITAL IMPROVEMENT PROGRAM ANNUAL REPORT

Capital Facilities Senior Engineer Morgan briefly demonstrated where quarterly updates for the Capital Improvement Program (CIP) projects can be accessed on the District's website and the types of information that is available. Quarterly updates are posted on the District's webpage, <https://www.vwd.org/departments/engineering/capital-facilities>. Capital Facilities Senior Engineer Morgan provided a presentation on Capital Projects – 2021/2022 Fourth Quarter Update, which included two active CIP projects that are currently listed online. The Sewer Lining and Rehabilitation 2021 Project will begin construction this week. The Emergency Bypass Rehabilitation Project is through design and is now advertised for bid.

Capital Facilities Senior Engineer Morgan provided a presentation on Capital Projects – 2021/2022 Annual Report as follows:

- 2021/2022 Project Summary
- Projected vs. Actual
- Change Order Total vs. Industry Standard
- Actual 2021/2022 Completed Projects Change Order Impact
- CIP Design Engineering Services Highlights
- Active CIP Projects in Design
- CIP Design History Chart

- Montiel Lift Station Final Design Easement Acquisition
- Projects in Construction in FY21/22
- 2021/2022 Construction Photos
  - MRF Odor Scrubber #1 & Headworks Augers Replacement
  - MRF Aeration Basin Improvements
  - Sage Canyon Tank Refurbishment
  - Tesla Battery Energy Storage Systems (BESS)

Director Elitharp asked what the number of kilowatt hours (KWh) are used at Meadowlark Water Reclamation Facility. Staff will bring that information back to the Board during the next CIP presentation.

Capital Facilities Senior Engineer Morgan stated that during Fiscal Year 2021/2022 the construction contract amount totaled \$9,958,279. Change orders were an additional \$350,787, which was 3.5% of the contract total. The District has maintained a 3.8% change order average over the past 14 years. If the District did not actively manage their projects and the change order percentage rose to 15%, the amount in change orders would have cost \$9.7 million.

Capital Facilities Senior Engineer Morgan further stated that there were four completed Projects in 2021/2022:

- San Marcos Interceptor Phase 2
- MRF Bio Selector Improvements\*  
\*reimbursed through debt proceeds
- MRF Headworks Improvements
- MRF Odor Scrubber #1 Replacement

Fiscal year 2021/2022 was heavy in design work. For new design contracts, \$1,065,153 was issued. Six new design projects were awarded:

- MRF Conversion to Sodium Hypochlorite
- MRF Chlorine Contact Tank Expansion
- MRF Landscaping Improvements
- Las Posas 10" Water Main Replacement\*  
\*reimbursed through debt proceeds
- Maintenance Services Bldg. C Tenant Improvements
- Energy Management Study

Capital Facilities Senior Engineer Morgan stated that the Montiel Lift Station Project is in final design, and staff is actively working on easement acquisitions. District Engineer Hubbard added that this lift station was constructed in 1985 and was intended to be temporary. The Board is scheduled to see this project again on September 7, 2022, for CEQA adoption.

Capital Facilities Senior Engineer Morgan stated, as construction projects go out to bid, next year's annual report will be heavy in construction.

Director Elitharp asked for a CIP historical budget versus the actual spent. Assistant General Manager Gumpel mentioned that staff will revise the presentation to include that information before it is brought to the Board.

OTHER BUSINESS

None.

ADJOURNMENT

There being no further business to discuss, the meeting was adjourned at the hour of 3:26 p.m.