

MINUTES OF A MEETING OF THE  
ENGINEERING/EQUIPMENT COMMITTEE  
OF THE VALLECITOS WATER DISTRICT  
THURSDAY, MAY 30, 2019 AT 3:00 P.M.  
AT THE DISTRICT OFFICE, 201 VALLECITOS DE ORO,  
SAN MARCOS, CALIFORNIA

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

Present: Director Hernandez  
Director Elitharp  
General Manager Pruiem  
District Engineer Gumpel  
Capital Facilities Senior Engineer Hubbard  
Development Services Senior Engineer Scholl  
Capital Facilities Engineer Santos  
Administrative Secretary Johnson

Others Present: Scott Goldman, Woodard & Curran  
Erica Wolski, Woodard & Curran

ITEMS FOR DISCUSSION

GROUNDWATER STUDY UPDATE

Scott Goldman and Erica Wolski of Woodard & Curran facilitated a presentation, Evaluation of San Marcos Groundwater Supply Options, which included the following:

- San Marcos Basin
- Groundwater Production
- Groundwater Quality
- Water Balance
- Options Development
- Option 1 – Non-Potable Use
- Option 2 – Desalter
- Option 3 – Potable Reuse
- Estimated Costs
- Conclusions
- Funding Options for Construction
- Next Steps

Mr. Goldman stated the evaluation assumes possible new extraction of 500 acre feet (AF) of groundwater per year, however, it could be as much as 1,000 AF. During discussion of the three possible development options, District Engineer Gumpel stated that when considering the District headquarters site for wells or a treatment plant for Option 1 – Non-Potable Use, portions of the adjacent hillside property were included for

reservoir storage. For Option 2 – Desalter, Mr. Goldman estimates extraction of 500 AF per year plus whatever amount of water is injected. Director Hernandez requested information be presented to the Board regarding the size of the tank needed for Option 1 and the size of the desalter for Option 2. Option 3 – Potable Reuse could potentially produce more water, possibly 1,300 to 2,000 AF per year, but would require a number of extraction wells. Option 2 was identified as the preferred option. Additional studies of the groundwater basin would be required to determine quantity and quality of water that could be produced.

General discussion took place regarding grants available from the California Department of Water Resources (DWR). DWR's grant is a 50% match up to \$10 Million for the non-potable option and up to \$14 Million for the desalter. Grants up to \$475 per AF are also available from Metropolitan Water District of Southern California and a 25% match through the U.S. Bureau of Reclamation. Grant funds could be used for next steps that would include a year of testing well sites on the District's property to obtain production and quality data.

Mr. Goldman stated he will proceed with the Committee's recommendation for the desalter option and complete the draft report incorporating the Committee's comments.

Staff will present information regarding the cost of the desalter option and funding options to the Board for consideration of the next steps to be taken.

### SOLAR STUDY UPDATE

District Engineer Gumpel stated staff is moving forward with the study of a Net Energy Metering (NEM) project at Lift Station 1 and a Renewable Energy Self-Generation Bill Credit Transfer (RES-BCT) project at Twin Oaks. The draft Request for Proposal (RFP) for both projects is complete and the California Environmental Quality Act (CEQA) process is underway. A Mitigated Negative Declaration (MND) is required for both sites; however, he doesn't anticipate any problems.

Development Services Senior Engineer Scholl provided background on the CEQA process stating that the District's consultant, BRG Consulting, is currently doing technical studies for the draft MND which includes cultural, air quality, and greenhouse gas studies for both sites. He anticipates the technical studies will be completed by mid-June and that in early August he will request the Board's approval to circulate the RFP. Depending on the results of the RFP process, recommendations will be made whether to go forward with one or both on the proposed projects.

### ASSET MANAGEMENT

District Engineer Gumpel provided an overview of the Integrated Asset Management Program (IAM), stating it is a four to five-year process to develop the program. IAM is a comprehensive utility management program which includes facilities planning, capital financing, and facilities operations and maintenance. The purpose of IAM is to maximize the value of an asset over its life cycle and it is an organization-wide responsibility

requiring alignment of customer expectations, business processes, technology, and organizational culture. He discussed the following:

- Why IAM?
- VWD's IAM
- Phase I: Asset Management Planning
- Phase II: Technology and Process Integration
- Asset Lifecycle
- Asset Lifecycle with Rehab
- Current Efforts

District Engineer Gumpel stated a consultant is assisting staff in preparing the RFP and scope to set up the District's IAM program. It will be important to have the Asset Management Supervisor position that is proposed in the FY 2019/2020 budget on board as soon as possible to work with the consultant while the program is being set up. The Asset Management Supervisor will be overseeing condition assessments, creating a cathodic protection program, asset rehabilitation projects, and working with the consultant to build the IAM program.

District Engineer Gumpel discussed current efforts proposed in the FY 2019/20 budget including a condition assessment of steel transmission water mains such as the Tres Amigos Pipeline, a critical pipeline installed in 1958 and 1964 that has had several line breaks over the years. If, during the condition assessment it is determined that sections of the pipeline are in good condition, the total cost of the assessment and repairs could be significantly less than a full replacement of the line. Also proposed is a pipeline condition assessment of the Land Outfall Gravity Sewer which has a lot of ductile iron pipe dating back to the 80's that has never been assessed.

### CIP 3<sup>RD</sup> QUARTER UPDATE

Capital Facilities Engineer Santos provided a brief update on FY 2018/2019 third quarter Capital Improvement Program (CIP) projects. He stated the CIP project information is updated on the District's website quarterly and demonstrated how to find the information that is available for anyone to view. Available information includes the title and brief description of each project, quarterly update, change orders, outstanding issues, map, and a financial breakdown. There are currently ten active CIP projects that are being managed from planning to construction. He reviewed three projects that are in construction: Palos Vista Pump Station Electric Generator, Rock Springs Sewer Replacement, and Schoolhouse Tank Refurbishment.

General discussion took place.

### OTHER BUSINESS

Director Elitharp asked when the Committee could expect an update on development. General Manager Pruim stated development updates will be provided twice per year as there isn't as much going on compared with the CIP projects.

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Capital Facilities Senior Engineer Hubbard stated that a year-end CIP update will be presented to the Committee in August and suggested that may be an appropriate time to present the development update.

PUBLIC COMMENT

None.

ADJOURNMENT

There being no further business to discuss, the meeting was adjourned at the hour of 4:43 p.m.