

LEUCADIA WASTEWATER DISTRICT
Minutes of an Engineering Committee Meeting
September 6, 2022

A meeting of the Engineering Committee (EC) of Leucadia Wastewater District (LWD) was held on Tuesday, September 6, 2022 at 9:30 a.m. via video conference.

1. Call to Order

Chairperson Roesink called the meeting to order at 9:30 a.m.

2. Roll Call

DIRECTORS PRESENT: Roesink, Brown

DIRECTORS ABSENT: None

OTHERS PRESENT: General Manager Paul Bushee; Director of Technical Services Robin Morishita; Field Services Superintendent Jeffery Stecker; Field Services Supervisor Marvin Gonzalez; Field Services Specialist Ian Riffel; Field Service Technician III Mauricio Avalos; Field Service Technician III Gabriel Mendez; and District Engineer Dexter Wilson

3. Public Comment

None.

4. New Business

A. Adopt Resolution No. 2379, Briggs Annexation, as presented.

FFSpec Riffel presented the item to the EC. He explained that the Briggs Annexation involves one parcel totaling 2.92 acres with an existing single-family residence that is currently connected to a septic tank system. He continued that per the City of Encinitas, the parcel is required to connect to the public sanitary sewer system to satisfy a permit condition for the proposed construction of a 1,200 square foot Accessory Dwelling Unit (ADU). FFSpec Riffel said that the private sewer lateral for the parcel will connect to the available public sewer system. He stated that the collection and treatment systems have sufficient capacity to accommodate the existing single-family dwelling and proposed ADU.

Chairperson Roesink asked if there were any complexities to this connection to the collection system. FFSpec Riffel answered that this situation is a straight forward connection to a stub out that is at the property line.

Director Brown asked if both the main and ADU connections will be done at the same time. FFSpec Riffel answered yes, both lines will be connected at the same time as required by the City of Encinitas because the trunk line is in close to the property.

Following discussion, the EC concurred with staff to recommend that the Board of Directors adopt Resolution No. 2379 the Briggs Annexation.

B. Adopt Resolution No. 2383, Stits Annexation, as presented.

FFSpec Riffel presented the item to the EC. He explained that the Stits Annexation involves one parcel totaling 0.70 acres and includes one parcel with an existing single-family residence that is currently connected to a septic tank system. He continued that per the City of Encinitas, the parcel is required to connect to the public sanitary sewer system to satisfy a permit condition for the proposed lot split. FFSpec Riffel said that the connection of the existing single-family residence and the proposed lot split to the collection system requires the construction of approximately 175 feet of public sewer extension on Eolus Avenue. He continued that the collection and treatment systems have sufficient capacity to accommodate the existing single-family dwelling and the future development of the split parcel.

Chairperson Roesink asked if the resident pays for the extension of the trunk line. FFSpec Riffel answered affirmatively. FFSpec Riffel continued that a reimbursement agreement can be used to possibly help defray the construction cost. However, the resident has not requested a reimbursement agreement at this time.

Director Brown asked if stub outs are constructed to the properties adjacent to the trunk line extension. FFSpec Riffel answered that stub outs are not part of the trunk line extension.

Following discussion, the EC concurred with staff to recommend that the Board of Directors adopt Resolution No. 2383 the Stits Annexation.

C. Authorize the General Manager to execute a procurement from Haaker Equipment Company in the amount of \$182,497.25 to retrofit the existing CCTV Van with EnviroSight RovverX Long Range CCTV System and accessories through a cooperative purchase program.

FST III Avalos and FST III Mendez presented the item to the EC. FST III Avalos stated that the District has two Closed Circuit Television (CCTV) Vehicles in its fleet for video inspection of the collection system. He said that Staff is recommending the retrofit of the Van which is currently equipped with the CUES inspection system. FST III Avalos explained that the Van engine and chassis are in good condition. He said that the District has spent nearly \$20K over the last two years in CCTV equipment services and repairs for the CUES System and Staff has noticed an increase in cost and frequency of the repairs.

FST III Avalos explained the reasons for the retrofit including, equipment down time, lack of customer service and support, advancement in CCTV technology and equipment standardization. He continued that staff researched different CCTV systems from Ibak, Proteus, and EnviroSight.

FST III Mendez stated that staff selected the EnviroSight System due to system and equipment functionality and reliability. He provided the EC with numerous advantages of the EnviroSight System including user friendly software, easier modification of transporter system to fit various pipe diameters, the ability to remotely elevate the camera on the transporter, and improved reliability. He said that the retrofit of the Van with EnviroSight will result in the CCTV Inspection Systems being the same in both inspection vehicles improving operator efficiency and performance due to system standardization.

FST III Mendez said that the District's Procurement Policy permits the use of cooperative purchasing programs when feasible and in the best interest of the District. He said that the retrofit of the Van from the Haaker Equipment Company will be through a cooperative purchasing program with Sourcewell Cooperative (Sourcewell). He continued that the Sourcewell is a self-supported government agency, therefore, the retrofit has already been vetted through the competitive pricing process by Sourcewell.

Director Brown commended both FST III Avalos and Mendez on their great presentation. He asked about the differences of the CCTV cameras between EnviroSight and CUES? FST III Mendez referred to the picture in the presentation and explained that the EnviroSight camera can be elevated from the transporter while in use compared to the CUES system that requires modification to the transporter prior to inserting into a pipe.

Chairperson Roesink stated that he strongly supports the standardization of the CCTV equipment. He asked what will happen to the CUES equipment that is removed from the Van. FSSup Gonzalez answered that the District will attempt to sell the used CUES equipment.

Following discussion, the EC concurred with staff to recommend that the Board of Directors authorize the General Manager to execute an agreement for the retrofit of the CCTV Van by Haaker through the Sourcewell Cooperative.

- D. Authorize the General Manager to execute a sole source Agreement for professional services with Base 9 Consulting, Incorporated for the Supervisory Control and Data Acquisition (SCADA) Central Control Upgrade Project in an amount not to exceed \$70,000.

FSS Stecker presented the item to the EC. He stated that SCADA is used to monitor the operation of the District's ten (10) pump stations and provides an alarm notification when operations are outside of set parameters. He continued that SCADA does not enable central control of the pump stations and each pump station operates autonomously.

FSS Stecker said that SCADA Central Control (SCC) is located in the Headquarters Building and is made up of two desktop computers operating on the antiquated Windows 7 operating system. He continued that the SCC project includes the purchase of one desktop and required software; configuring the software; developing and programming the human machine interface; and staff training. FSS Stecker commented that in the future the SCADA upgrades will be done sooner than the ten year interval.

FSS Stecker stated that Base Nine Consulting, Inc. (BNCI) possess unique knowledge of the District's SCADA System and completed the previous SCC upgrade. He continued that for those reasons this is a sole source procurement for services.

Chairperson Roesink asked if the work includes update / replacement of the SCADA software. FSS Strecker answered that the contract does include software upgrades and replacement. Chairperson Roesink asked how long will the project take. FSS Stecker answered the project should take approximately two weeks after procurement of the software and hardware.

Director Brown commented that he agrees that system upgrades should be done sooner than ten years, and recommended that the period be five years or less dependent upon available technology and for improved cyber security.

Following discussion, the EC concurred with staff to recommend that the Board of Directors authorize the General Manager to execute a sole source Agreement with BNCI for the SCADA Central Control upgrade.

5. Information Items

A. Development Projects Summary

FSSpec Riffel presented this item to the EC. The EC reviewed the project location map and thanked staff for producing a useful and informative map.

B. FY 22 Gravity Pipeline Project Update

FSSpec Riffel presented this item to the EC. He provided background information on the project. During the presentation, he described the installation of a new manhole on Oakbranch Drive and a clean out on Hygeia Avenue.

6. Directors' Comments

Chairpereson Roesink thanked Director Brown for his IT knowledge and expertise regarding discussion of cyber security issues such as the SCADA Upgrade project.

Director Brown thanked staff for the great presentations and for helping to enlighten the committee members to enable them to make informed decisions.

7. General Manager's Comments

None.

8. Adjournment

Chairperson Roesink adjourned the meeting at approximately 10:53 a.m.



Paul J. Bushee,
Secretary/Manager
(Seal)