

BIOLA COMMUNITY SERVICES DISTRICT REPORT TO THE BOARD OF DIRECTORS

To: BIOLA CSD BOARD OF DIRECTORS
From: Elaine Cervantes, General Manager
Subject: CWSRF Construction Grant
Attachments: Reduced Scope Project

RECOMMENDATION:

Staff recommend that Board of Directors considers a reduced scope project to be submitted to the SWRCB for approval.

BACKGROUND:

Construction bids for the WWTP project were significantly higher than the original construction funding agreement amount of \$5.7 million. The District submitted a Final Budget Approval Package to the State requesting an amendment to the total funding amount. However, the State has denied any increase in funding because the project is not considered to be a priority under the current intended use plan.

AM Consulting Engineers, Mountain Valley Environmental and District Staff met at the District's office to prioritize improvements. Based on the discussion, AM Consulting Engineers has prepared the enclosed opinion of probable construction cost that contains only the most important improvements. The total cost of the reduced scope project is \$5.25 million. The following is a general description of the improvements that are included in this reduced scope project:

1. Influent Lift Station Improvements: operations staff indicated that the current headworks screen works well and is in good condition. The original project included a new screen ahead of the lift station to remove the grease that enter the WWTP and accumulates in the wet well. AMCE is proposing to provide improvements to the lift station to improve grease removal.
2. New aerators: The existing floating surface aerators are not efficient. New more energy efficient aerators will be furnished and installed in the ponds. This would reduce the District's energy consumption.
3. New high-rate sludge drying beds and sludge removal piping will be installed: the District only has an unlined pond where sludge is pumped. There is no sludge removal piping and removing sludge is difficult.
4. Effluent storage pond embankments will be repaired: effluent storage pond embankments failed because of rodents. This project will excavate those embankments, fill them and recompact the embankments.

5. The existing motor control center will be replaced and a SCADA system installed: the existing MCC is old and it is difficult to find parts for it. The entire MCC will be replaced and a new SCADA System will be installed.
6. Three new groundwater monitoring wells will be installed to replace the existing monitoring wells that are dry.
7. A solar PV system will be installed at the WWTP to eliminate the PG&E consumption.

FISCAL IMPACT:

The submittal of this reduced scope project does not have a fiscal impact. If approved, the project will fit within the grant funding awarded to the District.

BIOLA COMMUNITY SERVICES DISTRICT
WASTEWATER TREATMENT PLANT IMPROVEMENT PROJECT
REDUCED SCOPE - OPINIONS OF PROBABLE CONSTRUCTION COST

Item	Description	Estimated Cost
1	Mobilization & Demobilization	\$ 350,000.00
2	Influent Lift Station Improvements	\$ 1,000,000.00
3	New Aerators	\$ 150,000.00
4	Sludge Removal Piping	\$ 450,000.00
5	Sludge Drying Beds	\$ 500,000.00
6	Effluent Storage Pond Improvements	\$ 250,000.00
7	Main Electrical Switchgear Upgrade	\$ 400,000.00
8	SCADA System	\$ 150,000.00
9	Groundwater Monitoring Wells	\$ 250,000.00
10	Solar PV system	\$ 700,000.00
Subtotal Construction		\$ 4,200,000.00
Contingency (15%)		\$ 630,000.00
Engineering and Construction Management		\$ 420,000.00
Total Construction		\$ 5,250,000.00