

**NOTICE OF SPECIAL MEETING
OF THE
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY**

**PC 15 /ENGINEERING JOINT COMMITTEE
TELECONFERENCE MEETING**

**November 15, 2021
8:00 a.m.**

Join Zoom Meeting by clicking on the link below:

<https://socwa.zoom.us/>

Meeting ID: 831 6347 5631
Passcode: 561753

One tap mobile

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NOTICE IS HEREBY GIVEN that a Special Meeting of the South Orange County Wastewater Authority (SOCWA) PC-15 /Engineering Joint Committee was called to be held by Teleconference on **November 15, 2021 at 8:00 a.m.** SOCWA staff will be present and conducting the call at the SOCWA Administrative Office located at 34156 Del Obispo Street, Dana Point, California.

MEMBERS OF THE PUBLIC ARE INVITED TO PARTICIPATE IN THIS TELECONFERENCE MEETING AND MAY JOIN THE MEETING VIA THE TELECONFERENCE PHONE NUMBER AND ENTER THE ID CODE. THIS IS A PHONE CALL MEETING AND NOT A WEB-CAST MEETING SO PLEASE REFER TO AGENDA MATERIALS AS POSTED WITH THE AGENDA ON THE WEBSITE AT WWW.SOCWA.COM. ON YOUR REQUEST, EVERY EFFORT WILL BE MADE TO ACCOMMODATE PARTICIPATION IF YOU REQUIRE ANY SPECIAL DISABILITY RELATED ACCOMMODATIONS. PLEASE CONTACT THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY SECRETARY'S OFFICE AT (949) 234-5452 AT LEAST TWENTY-FOUR (24) HOURS PRIOR TO THE SCHEDULED MEETING TO REQUEST DISABILITY RELATED ACCOMMODATIONS. THIS AGENDA CAN BE OBTAINED IN ALTERNATE FORMATS UPON REQUEST TO THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY'S SECRETARY AT LEAST TWENTY-FOUR (24) HOURS PRIOR TO THE SCHEDULED MEETING.

AGENDA EXHIBITS AND OTHER WRITINGS THAT ARE DISCLOSABLE PUBLIC RECORDS DISTRIBUTED TO ALL, OR A MAJORITY OF, THE MEMBERS OF THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY PC 15/ENGINEERING JOINT COMMITTEE IN CONNECTION WITH A MATTER SUBJECT FOR DISCUSSION OR CONSIDERATION AT AN OPEN MEETING OF THE PC 15/ENGINEERING JOINT COMMITTEE ARE AVAILABLE BY PHONE REQUEST MADE TO THE AUTHORITY ADMINISTRATIVE OFFICE AT (949) 234-5452. THE AUTHORITY ADMINISTRATIVE OFFICES ARE LOCATED AT 34156 DEL OBISPO STREET, DANA POINT, CA ("AUTHORITY OFFICE"). IF SUCH WRITINGS ARE DISTRIBUTED TO MEMBERS OF THE PC 15/ENGINEERING JOINT COMMITTEE LESS THAN TWENTY-FOUR (24) HOURS PRIOR TO THE MEETING, THEY WILL BE

SENT TO PARTICIPANTS REQUESTING VIA EMAIL DELIVERY. IF SUCH WRITINGS ARE DISTRIBUTED IMMEDIATELY PRIOR TO, OR DURING, THE MEETING, THEY WILL BE AVAILABLE IMMEDIATELY ON VERBAL REQUEST TO BE DELIVERED VIA EMAIL TO REQUESTING PARTIES.

AGENDA

1. Call Meeting to Order

2. Public Comments

THOSE WISHING TO ADDRESS THE PC 15/ENGINEERING JOINT COMMITTEE ON ANY ITEM LISTED ON THE AGENDA SHOULD SUBMIT A "REQUEST TO BE HEARD" FORM TO THE CLERK OF THE BOARD BEFORE THE PRESIDING OFFICER ANNOUNCES THAT AGENDA ITEM, YOUR NAME WILL BE CALLED TO SPEAK AT THAT TIME.

**3. Coastal Treatment Plant Export Sludge Force Main Replacement Update
[Project Committee 15]**

Recommended Action: Information item.

**4. Coastal Treatment Plant Facility Improvements Estimate for Descoped Items
[Project Committee 15]**

Recommended Action: Staff recommends that the PC 15 Board approve the cost estimate for descoped items for a total of \$1,005,182.06.

**5. Coastal Treatment Plant Facility Improvements Final Change Orders
[Project Committee 15]**

Recommended Action: Staff recommends that the PC 15 Board approve PCL Change Order 39 for \$2,817, Change Order 40 for \$2,962, Change Order 41 for \$53,876, Change Order 42 for \$26,000, Change Order 43 for \$11,371, Change Order 44 for \$18,029, Change Order 45 for \$100,000, and Change Order 46 for \$195,006 for a total of \$410,061 and a revised contract value of \$8,780,022.

**6. Coastal Treatment Plant Facility Improvement Project Anticipated Budget Adjustment
[Project Committee 15]**

Recommended Action: Staff recommends that the PC 15 Board approve a budget increase for Facility Construction Improvements (3539-000) by \$325,000 to \$2,825,000 for the 21/22 FY.

Adjournment

I hereby certify that the foregoing Notice was personally emailed or mailed to each member of the SOCWA PC 15/Engineering Joint Committee at least 24 hours prior to the scheduled time of the Special Meeting referred to above.

I hereby certify that the foregoing Notice was posted at least 24 hours prior to the time of the above-referenced PC 15/Engineering Joint Committee meeting at the usual agenda posting location of the South Orange County Wastewater Authority and at www.socwa.com.

Dated this 11th day of November 2021.



Betty Burnett, General Manager/Secretary
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

Agenda Item

4

PC 15/Engineering Joint Meeting

Meeting Date: November 15, 2021

TO: PC 15 Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Jason Manning, Director of Engineering

SUBJECT: Coastal Treatment Plant Facility Improvements Estimate for Descoped Items [Project Committee 15]

Overview

Several elements of the Coastal Treatment Plant were descoped for various reasons from the PCL construction contract. The SOCWA Engineering Committee was kept updated on these items and a presentation was given in January 2021. The presentation provided an overall project update and details on the items/reasons for removing them from the project. The major items removed were the new drainage pump station and new equipment for the West Secondary Sedimentation Basins.

PCL provided an estimate for a deductive change order that was significantly lower than expected. Through the several meetings, emails, and letters, SOCWA staff offered PCL to provide backup for additional costs and overhead for the descoped items. PCL rejected all offers and provided no additional backup costs. SOCWA staff, with guidance from legal counsel, issued a unilateral deductive change order for the remaining amounts to be billed less contractual overhead of 7.5%. This action brought PCL to the negotiating table and SOCWA and PCL worked out an agreement where Butier Engineers (BEI) would conduct a third-party review of the work and provide an estimated cost to complete the work. After review the parties were still approximately \$300,000 apart and after consideration of the limited opportunities PCL had to reduce its costs of equipment and personnel on the site, SOCWA negotiated to extend an additional \$100,000 payment for those costs to gain agreement on the value of the deductive change order.

PCL has agreed to the BEI cost estimate for the descoped items.

Table 1 below shows the descoped items, the credit issued in the deductive unilateral Change Order No. 27, the initial PCL proposed credit, and the Butier cost estimate for each item.

Table 1 – Descoped Item Credit as Provided by PCL, SOCWA, and BEI

Bid Item	Description	PCL	SOCWA CO No. 27	Butier Estimate
A5	Demolition, Site Improvements, and New Piping for Drainage Pump Station	\$27,916.00	\$53,650.00	\$47,434.46
A15	Construction of New Drainage Pump Station & Discharge Piping	\$186,935.00	\$370,000.00	\$329,839.24
A35	Improvement to the Electrical System Inside & Adjacent to the North Blower Electrical Building	\$55,926.50	\$128,575.00	\$48,782.86
A37	Installation of Power & Control System for New Drainage Pump Station	\$55,926.50	\$74,000.00	\$67,797.24
A12	Modifications to East Secondary Sedimentation Basin RAS Channel	\$27,153.00	\$45,325.00	\$36,096.09
A11	Part of Installation of new equipment and appurtenances in the West Secondary Sedimentation Basins	\$287,407.00	\$438,450.00	\$401,404.06
A9	Part of Demolition in West Secondary Sedimentation Basins	\$61,560.00	\$81,862.50	\$73,828.11
A39	All other items necessary to complete the work associated with A1 - A38	\$ -	\$8,325.00	\$ -
		\$702,824.00	\$1,200,187.50	\$1,005,182.06

The PCL estimate is \$497,364 less than SOCWA Change Order No. 27; the Butier estimate is \$195,006 less than SOCWA Change Order No. 27 and \$302,358 more than the PCL estimate.

SOCWA staff believe the BEI cost is a fair estimate to use for the credit for the descoped items and have also gained agreement from PCL for use of this estimate. We are seeking approval from the PC 15 Board to approve the BEI cost estimate for calculating the total contract amount for PCL for the Coastal Treatment Plant Facility Improvements project. The difference between Change Order No. 27 and the BEI estimate of \$195,006 has been included as Change Order No. 46 on Agenda Item No. 5.

Recommended Action: Staff recommends that the PC 15 Board approve the cost estimate for descoped items for a total of \$1,005,182.06.

Agenda Item

5

PC 15/Engineering Joint Meeting

Meeting Date: November 15, 2021

TO: PC 15 Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Jason Manning, Director of Engineering

SUBJECT: Coastal Treatment Plant Facility Improvements Final Change Orders
[Project Committee 15]

Overview

The attached Capital Improvements report identifies the final change orders for the Coastal Treatment Plant Facility Improvements Project. All the change orders presented here (Change Orders 39 to 46 totaling \$410,0561) have been reviewed by the construction management and SOCWA engineering staff.

The project remains within the contingency of \$828,810 with the total amount of all additive change orders at \$780,013 or 94% spent.

Please note that Change Order No. 45 for \$100,000 was negotiated between PCL and the SOCWA General Manager. PCL had originally requested \$213,757 in compensation for 77 days of owner caused delay. Change Order No. 46 for \$195,006 is for the difference between the unilateral deductive Change Order No. 27 and the Butier Engineers estimate for the descoped items previously discussed in Agenda Item No. 4.

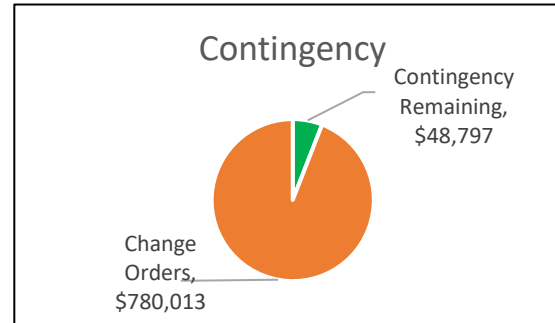
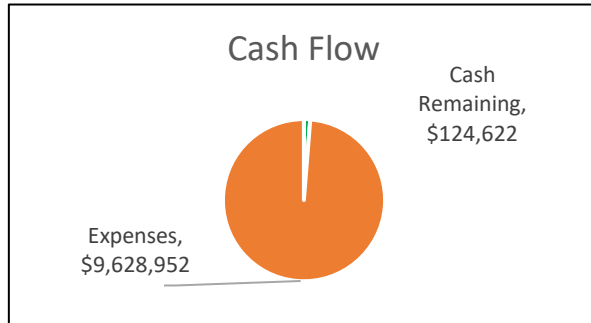
Recommended Action: Staff recommends that the PC 15 Board approve PCL Change Order 39 for \$2,817, Change Order 40 for \$2,962, Change Order 41 for \$53,876, Change Order 42 for \$26,000, Change Order 43 for \$11,371, Change Order 44 for \$18,029, Change Order 45 for \$100,000, and Change Order 46 for \$195,006 for a total of \$410,061 and a revised contract value of \$8,780,022.

Project Financial Status

Data Last Updated

November 8, 2021

Project Committee	15
Project Name	Facility Improvements
Project Description	New ferric chloride system, new collection equipment in East Sedimentation basins, concrete repair, structural improvements, new switchgear and numerous electrical upgrades



Cash Flow

Collected	\$9,753,574
Expenses	\$9,628,952

Project Completion

Schedule	100%
Budget	92%

Contracts

Company	PO No.	Original	Change Orders	Total	Invoiced
PCL	13751	\$ 9,209,000	\$ (428,978)	\$ 8,780,022	\$ 8,217,673
Butier	13647	\$ 812,288	\$ -	\$ 812,288	\$ 812,228
Hazen & Sawyer	13648	\$ 490,484	\$ -	\$ 490,484	\$ 290,159
		\$ 10,511,772	\$ (428,978)	\$ 10,082,794	\$9,320,060

Contingency

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	3539-000	\$ 828,810	\$ 780,013	\$ 48,797	94.1%
		\$ 828,810	\$ 780,013	\$ 48,797	94.1%

Summary of New Change Orders

Change Order No	CLB	EBSD	MNWD	SCWD	\$ Amount
39	\$1,068	\$84	\$824	\$841	\$2,817
40	\$1,123	\$88	\$866	\$884	\$2,962
41	\$20,425	\$1,608	\$15,761	\$16,082	\$53,876
42	\$9,857	\$776	\$7,606	\$7,761	\$26,000
43	\$4,311	\$339	\$3,326	\$3,394	\$11,371
44	\$6,835	\$538	\$5,274	\$5,382	\$18,029
45	\$37,910	\$2,985	\$29,254	\$29,851	\$100,000
46	\$73,928	\$5,821	\$57,047	\$58,211	\$195,006
Grand Total	\$155,456	\$12,241	\$119,958	\$122,406	\$410,061

Change Orders

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Days	Amount
1	PCL	3539-000	Additional Potholing	Approved by Board of Directors	8/6/2020	0	\$ 22,936
2	PCL	3539-000	Gas Line Replacement	Approved by Board of Directors	8/6/2020	0	\$ 41,006
3	PCL	3539-000	Main Switchgear Building Underground Conflicts	Approved by Board of Directors	8/6/2020	0	\$ 8,683
4	PCL	3539-000	Mud Valve Bolt Removal	Approved by Board of Directors	8/6/2020	0	\$ 6,577
5	PCL	3539-000	Additional Anchor Bolt Removal	Approved by Board of Directors	8/6/2020	0	\$ 15,271
6	PCL	3539-000	Slide Gate Concrete Repair	Approved by Board of Directors	8/6/2020	0	\$ 3,396
7	PCL	3539-000	Sludge Collector Wear Strips	Approved by Board of Directors	8/6/2020	0	\$ 5,304
8	PCL	3539-000	SCE Transformer Slab Box	Approved by Board of Directors	9/3/2020	0	\$ 4,378

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Days	Amount
9	PCL	3539-000	Duct Bank 5 Buried Utility Conflicts	Approved by Board of Directors	10/1/2020	0	\$ 32,224
10	PCL	3539-000	Telescoping Valve Modifications	Approved by Board of Directors	10/1/2020	0	\$ 36,067
11	PCL	3539-000	Secondary Effluent Channel Improvements	Approved by Board of Directors	12/17/2020	0	\$ 5,153
12	PCL	3539-000	Portable Generator Tap Enclosures in Buildings 2 & 15	Approved by Board of Directors	12/10/2020	0	\$ 18,356
13	PCL	3539-000	Conduit, wiring, and mounting of LL1 fixtures	Approved by Board of Directors	12/10/2020	0	\$ 5,001
14	PCL	3539-000	MCC Feeder Credit	Approved by Board of Directors	2/4/2021	0	\$ (8,803)
15	PCL	3539-000	Switchgear Building Concrete Repair	Approved by Board of Directors	3/11/2021	0	\$ 40,144
16	PCL	3539-000	Sludge Collector Mounting Plate Replacement	Approved by Board of Directors	3/11/2021	0	\$ 10,623
17	PCL	3539-000	Basin Leaking Crack Repair in East Secondaries	Approved by Board of Directors	3/11/2021	0	\$ 1,863
18	PCL	3539-000	Additional Spall Repair - Grit Channels	Approved by Board of Directors	3/11/2021	0	\$ 26,405
19	PCL	3539-000	Mixed Liquor Channel Remobilization	Approved by Board of Directors	3/11/2021	0	\$ 5,323
20	PCL	3539-000	Building 10 Roof Repairs	Approved by Board of Directors	3/11/2021	0	\$ 2,245

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Days	Amount
21	PCL	3539-000	Building 8 Gas Line Rerouting	Approved by Board of Directors	3/11/2021	0	\$ 717
22	PCL	3539-000	Additional Spall Repair - East Secondary Basins	Approved by Board of Directors	6/3/2021	0	\$ 9,722
23	PCL	3539-000	Grit Chamber Conflicts	Approved by Board of Directors	6/3/2021	0	\$ 3,888
24	PCL	3539-000	1/2" Ferric Line Conflicts	Approved by Board of Directors	6/3/2021	0	\$ 784
25	PCL	3539-000	Helical Skimmer Wiring	Approved by Board of Directors	8/5/2021	0	\$ 1,072
26	PCL	3539-000	MCC 15 Unmarked Wire Chasing	Approved by Board of Directors	8/5/2021	0	\$ 6,138
27	PCL	3539-000	Unilateral Descope of Drainage Pump Station, East Basin RAS Channel, and West Secondary Sludge Collection Equipment	Approved	6/11/2021	0	\$ (1,200,188)
28	PCL	3539-000	Unilateral for 21 calendar days for weather and COVID-19 delays	Approved	6/16/2021	21	\$ -
29	PCL	3539-000	Building 10 Wall Repair	Approved by Board of Directors	10/14/2021	0	\$ 2,638

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Days	Amount
30	PCL	3539-000	West Telescoping Valve Improvements	Approved by Board of Directors	10/14/2021	0	\$ 12,168
31	PCL	3539-000	RAS Box Leaks	Approved by Board of Directors	10/14/2021	0	\$ 1,907
32	PCL	3539-000	West Grit Channel Unforeseen Conflicts	Approved by Board of Directors	10/14/2021	0	\$ 10,294
33	PCL	3539-000	Extra Work in Generator Building	Approved by Board of Directors	10/14/2021	0	\$ 3,714
34	PCL	3539-000	Power for Bldg 15 HVAC	Approved by Board of Directors	10/14/2021	0	\$ 2,301
35	PCL	3539-000	Additional Ferric Area Work	Approved by Board of Directors	10/14/2021	0	\$ 1,094
36	PCL	3539-000	Ferric Tank LIT	Approved by Board of Directors	10/14/2021	0	\$ 2,547
37	PCL	3539-000	PLC-TC1 Upgrades	Approved by Board of Directors	10/14/2021	0	\$ 9,699
38	PCL	3539-000	Aeration Channel Conflicts	Approved by Board of Directors	10/14/2021	0	\$ 10,314
39	PCL	3539-000	Telescoping Valve Stand Modifications	Within Contingency, to be reviewed by Engineering Committee	11/15/2021	0	\$ 2,817

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Days	Amount
40	PCL	3539-000	Wiring for West Secondary Basins	Within Contingency, to be reviewed by Engineering Committee	11/15/2021	0	\$ 2,962
41	PCL	3539-000	Ferric Containment Foundation	Within Contingency, to be reviewed by Engineering Committee	11/15/2021	0	\$ 53,876
42	PCL	3539-000	West Secondary Effluent Channel Concrete Repair	Within Contingency, to be reviewed by Engineering Committee	11/15/2021	0	\$ 26,000
43	PCL	3539-000	Headworks bypass	Within Contingency, to be reviewed by Engineering Committee	11/15/2021	0	\$ 11,371
44	PCL	3539-000	SCE XFMR Slab Box	Within Contingency, to be reviewed by Engineering Committee	11/15/2021	0	\$ 18,029
45	PCL	3539-000	Comprehensive Project Time Extension	Within Contingency, to be reviewed by Engineering Committee	11/15/2021	77	\$ 100,000

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Days	Amount
46	PCL	3539-000	BEI Estimate addition to Unilateral CO #27	Within Contingency, to be reviewed by Engineering Committee	11/15/2021	0	\$ 195,006
Grand Total						98	\$ (428,978)

Agenda Item

6

PC 15/Engineering Joint Meeting

Meeting Date: November 15, 2021

TO: PC 15 Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Jason Manning, Director of Engineering

SUBJECT: Coastal Treatment Plant Facility Improvement Project Anticipated Budget Adjustment [Project Committee 15]

Overview

SOCWA Staff are requesting approval of a budget increase of \$325,000 for the Coastal Treatment Plant Facility Improvements Project (3539-000) for a total Fiscal Year 2021/22 budget of \$2,825,000.

Although all contracts remain within the Board approved budgets and contingencies, the budget for the current fiscal year assumed more spending in the previous fiscal year than was realized. The budget also included an estimate for the descoped items at a slightly higher credit than what has been negotiated.

SOCWA Staff are currently estimating a FY 21/22 overage of about \$250,000 and are requesting an additional \$75,000 for a total increase of \$325,000 to cover any other unaccounted charges that may be remaining such as staff time and consultant fees.

Recommended Action: Staff recommends that the PC 15 Board approve a budget increase for Facility Construction Improvements (3539-000) by \$325,000 to \$2,825,000 for the 21/22 FY.