

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

ENGINEERING COMMITTEE
TELECONFERENCE MEETING**

**September 8, 2022
8:30 a.m.**

Join Zoom Meeting by clicking on the link below:

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

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NOTICE IS HEREBY GIVEN that a Regular Meeting of the South Orange County Wastewater Authority (SOCWA) Engineering Committee was called to be held by Teleconference on **September 8, 2022**. 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 WEB-SITE 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 SEVENTY-TWO (72) HOURS PRIOR TO THE SCHEDULED MEETING TO REQUEST DISABILITY RELATED ACCOMMODATIONS. THIS AGENDA CAN BE OBTAINED IN ALTERNATE FORMAT UPON REQUEST TO THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY'S SECRETARY AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO THE SCHEDULED MEETING.

AGENDA ATTACHMENTS AND OTHER WRITINGS THAT ARE DISCLOSABLE PUBLIC RECORDS DISTRIBUTED TO ALL, OR A MAJORITY OF, THE MEMBERS OF THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY ENGINEERING COMMITTEE IN CONNECTION WITH A MATTER SUBJECT FOR DISCUSSION OR CONSIDERATION AT AN OPEN MEETING OF THE ENGINEERING 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”), BUT ARE NOT OPEN TO THE PUBLIC DURING THE PERIOD OF STAY AT HOME ORDERS. IF SUCH WRITINGS ARE DISTRIBUTED TO MEMBERS OF THE ENGINEERING COMMITTEE LESS THAN SEVENTY-TWO (72) 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 ENGINEERING COMMITTEE ON ANY ITEM LISTED ON THE AGENDA WILL BE REQUESTED TO IDENTIFY AT THE OPENING OF THE MEETING AND PRIOR TO THE CLOSE OF THE MEETING. THE AUTHORITY REQUESTS THAT YOU STATE YOUR NAME WHEN MAKING THE REQUEST IN ORDER THAT YOUR NAME MAY BE CALLED TO SPEAK ON THE ITEM OF INTEREST. THE CHAIR OF THE MEETING WILL RECOGNIZE SPEAKERS FOR COMMENT AND GENERAL MEETING DECORUM SHOULD BE OBSERVED IN ORDER THAT SPEAKERS ARE NOT TALKING OVER EACH OTHER DURING THE CALL.

3. **Operations Report**

Recommended Action: Information Item.

4. **JB Latham Mass Balance Salt Loading Model Evaluation (Staff Report to be delivered under separate cover)**

Recommended Action: Comments and direction.

5. **NPDES Permit Asset Management Plan Update (Staff Report to be delivered under separate cover)**

Recommended Action: Comments and direction.

6. **Use Audit Flows and Solids Methodology Update (Staff Report to be delivered under separate cover)**

Recommended Action: Information Item; staff to receive comments from Engineering Committee

7. **Capital Improvement Program (CIP) Year-End Summary**

- Presentation to be provided at the meeting.

Recommended Action: Information Item.

8. **Capital Improvement Construction Projects Progress and Change Order Report (September) [Project Committee Nos. 2, 15 & 17]**

Recommended Action: Staff recommends that the Engineering Committee recommend that the PC 17 Board of Directors approve Change Order 4 to JR Filanc for \$0.00, including 234 additional day(s) for a total of \$0.00 and a revised contract value of \$1,1812,531.02 for the RTP Aeration Diffuser Project.

9. JB Latham Treatment Plant Package B Project Update
[Project Committee 2]

- Presentation to be provided at the meeting.

Recommended Action: Information item.

10. JB Latham Package B Liquids Contingency and Project Update
[Project Committee 2]

- Presentation to be provided at the meeting.

Recommended Action: Staff recommends that the Engineering Committee recommend that the PC-2 Board of Directors approve the addition of \$250,000 of contingency to the J.B. Latham Package B Liquids Improvements (3220-000).

Adjournment

I hereby certify that the foregoing Notice was personally emailed or mailed to each member of the SOCWA Engineering Committee at least 72 hours prior to the scheduled time of the Regular Meeting referred to above.

I hereby certify that the foregoing Notice was posted at least 72 hours prior to the time of the above-referenced Engineering Committee meeting at the usual agenda posting location of the South Orange County Wastewater Authority and at www.socwa.com.

Dated this 1st day of September 2022.



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

Agenda Item

3

Engineering Committee Meeting

Meeting Date: September 8, 2022

TO: Engineering Committee
FROM: Jim Burror, Director of Operations
SUBJECT: Operations Report

Overview

Verbal update on operations and maintenance activities.

Recommended Action: Information Item.

Agenda Item

7

Engineering Committee Meeting

Meeting Date: September 8, 2022

TO: Engineering Committee
FROM: David Baranowski, Director of Engineering
SUBJECT: Capital Improvement Program Year-End Summary

Overview

The Capital Improvement Program for the Fiscal Year 2021/2022 ended June 30, 2022. Table 1 contains a high-level summary of the budget and expenses. Staff have prepared a presentation that summarizes the financial numbers from the fiscal year.

Table 1 – FY2021/22 Large Capital Budget Summary

		% of Budget
Budget	\$25,193,000	
Collected	\$13,695,000	54%
Spent	\$12,989,000	52%

Values are preliminary and rounded to the nearest thousand

Recommended Action: Information Item.

Agenda Item

8

Engineering Committee Meeting

Meeting Date: September 8, 2022

TO: Engineering Committee

FROM: David Baranowski, Director of Engineering

SUBJECT: Capital Improvement Construction Projects Progress and Change Order Report (*September*) [Project Committee Nos. 2, 15 & 17]

Overview

Active Construction Project Updates:

Attached are the updated CIP progress reports. Please note that there is one new change order for JR Filanc for the RTP Aeration Diffuser project totaling \$0.

This is informational for PC 2 and PC 15 member agencies.

Recommended Action: Staff recommends that the Engineering Committee recommend that the PC 17 Board of Directors approve the following JR Filanc Change Orders:

- Change Order 4 for \$0, including 234 additional day(s)

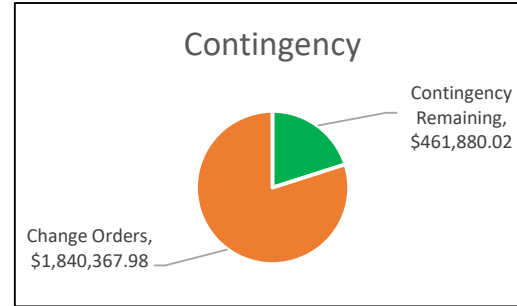
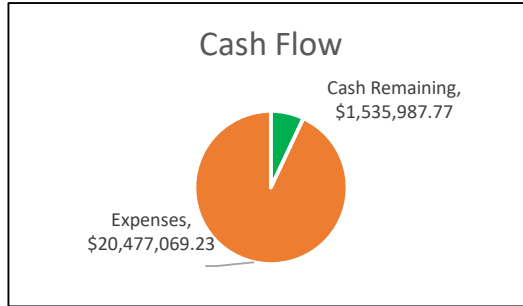
For a total of \$0 with 234 additional days, and a revised contract value of \$1,812,531.02 for the RTP Aeration Diffuser Project.

Project Financial Status

Data Last Updated

Project Committee	2
Project Name	Package B
Project Description	Plant 1 basin repairs, DAF rehabilitation, Energy Building seismic retrofit and minor rehabilitation, Digester 4 rehabilitation

August 29, 2022



Cash Flow

Collected	\$ 22,013,057.00
Expenses	\$ 20,477,069.23

Project Completion

Schedule	95%
Budget	87%

Contracts

Company	PO No.	Original	Change Orders*	Amendments	Total	Invoiced
Olsson	13497	\$ 17,325,000.00	\$ 892,037.97		\$ 18,217,037.97	\$ 16,171,947.79
Butier	13647	\$ 895,727.00		\$ 1,005,251.00	\$ 1,900,978.00	\$ 1,637,919.50
Carollo	13616	\$ 846,528.00		\$ 616,037.00	\$ 1,462,565.00	\$ 1,195,668.86
TetraTech	13605	\$ 94,000.00		\$ -	\$ 94,000.00	\$ 93,344.70
Ninyo & Moore	14279	\$ 49,399.00		\$ 30,000.00	\$ 79,399.00	\$ 43,478.27
ADS Environmental	16452	\$ 107,200.00	\$ -		\$ 107,200.00	\$ 43,875.00
Hallsten	16578	\$ 251,422.00	\$ 16,715.25		\$ 268,137.25	\$ -
Dudek	17401	\$ 48,360.00		\$ -	\$ 48,360.00	\$ 27,590.00
		\$ 19,617,636.00	\$ 908,753.22	\$ 1,651,288.00	\$ 22,177,677.22	\$ 19,213,824.12

*Values include change orders to be reviewed by Engineering Committee and deductive change orders

Contingency

Area	Project Code	Amount **	Change Orders	Total Remaining	Percent Used
Liquids	3220-000	\$ 719,679.00	\$ 669,491.72	\$ 50,187.28	93.0%
Common	3231-000	\$ 38,120.00	\$ 3,305.76	\$ 34,814.24	8.7%
Solids	3287-000	\$ 1,544,449.00	\$ 1,167,570.50	\$ 376,878.50	75.6%
		\$ 2,302,248.00	\$ 1,840,367.98	\$ 461,880.02	79.9%

** Amount reflects contingency for Construction Contracts only

Summary of New Change Orders

Change Order No	CSJC	MNWD	SCWD	SMWD	\$ Amount
Grand Total					

Change Orders and Amendments

Change Order No.	Vendor Name	Project ID	Description	Status Date	Days	Amount
Approved by Board of Directors					191	\$ 2,560,041.22
1	Olsson	3287-000	Addition of Loop Piping to the Existing Hot Water Lines Adjacent to Digester 3	12/12/2019	0	\$ 4,725.00
2	Olsson	3287-000	Asbestos Gaskets in Boiler hazardous disposal	6/4/2020	0	\$ 6,343.10
3	Olsson	3287-000	Add Analog Infrastructure and Cabling	6/4/2020	11	\$ 37,969.60
4	Olsson	3287-000	Digester 4 Coating Additional Sealant	6/4/2020	3	\$ 24,001.54
5	Olsson	3220-000	Valve Handwheel Ergonomic extension	8/6/2020	28	\$ 16,370.30
6	Olsson	3287-000	Change to DeZurik Plug Valves to match existing	8/6/2020	90	\$ 41,993.87
7	Olsson	3287-000	Digester 4 Additional Concrete Repair	8/6/2020	3	\$ 7,412.74
8	Olsson	3287-000	Repair Existing Damaged Electrical Box	8/6/2020	0	\$ (1,829.00)

<u>Change Order No.</u>	<u>Vendor Name</u>	<u>Project ID</u>	<u>Description</u>	<u>Status Date</u>	<u>Days</u>	<u>Amount</u>
9	Olsson	3220-000	Change the Telescoping Valve Boxes and Piping from Carbon Steel to Stainless Steel	8/6/2020	0	\$ 18,677.63
10	Olsson	3287-000	Duct bank J Interferences	12/17/2020	18	\$ 73,639.42
11	Olsson	3220-000	Blasting of Existing Influent Pipe Spools	12/17/2020	5	\$ 20,868.52
12	Olsson	3220-000	Duct bank K Interferences	12/17/2020	0	\$ 15,567.08
13	Olsson	3287-000	Digester 3/4 PLC Relocation	12/17/2020	14	\$ 41,367.51
14	Olsson	3287-000	Digester 4 Additional Tank Repair	12/17/2020	18	\$ 33,642.75
15	Olsson	3220-000	Duct bank O Interferences	12/17/2020	0	\$ 1,686.88
16	Olsson	3287-000	Digester 3/4 Control Building Roof Replacement	2/4/2021	0	\$ 42,780.00
17	Olsson	3287-000	MCC-D1 Modifications due to Change in Motor Size	5/6/2021	0	\$ 34,392.02
18	Olsson	3287-000	Integrator Additional Site Visits	5/6/2021	0	\$ 7,571.97
19	Olsson	3287-000	Multi-zone air conditioning unit in the Cogen MCC Room and Office	6/3/2021	0	\$ 29,417.20
20	Olsson	3220-000	Overhead Walkway Removal at Plant 1 Secondary Basins 5 through 9	6/3/2021	0	\$ 62,113.50

<u>Change Order No.</u>	<u>Vendor Name</u>	<u>Project ID</u>	<u>Description</u>	<u>Status Date</u>	<u>Days</u>	<u>Amount</u>
21	Olsson	3287-000	Cogeneration PLC Modifications and Integration	6/3/2021	0	\$ 42,922.67
22	Olsson	3220-000	Plant 1 Secondary Basins UV Rated Wear Strips	9/2/2021	0	\$ 28,965.33
23	Olsson	3287-000	MCC-F1 Design Change	9/2/2021		\$ 481,290.42
24	Olsson	3287-000	DAF 2 Investigation Work and Inspection Blast	10/7/2021		\$ 67,838.71
25	Olsson	3287-000	New Fiber Conduit in West Blower Building	10/7/2021		\$ 4,957.71
26	Olsson	3220-000	Plant 1 Primary Basin Conduit Obstruction	10/7/2021		\$ 8,444.20
27	Olsson	3220-000	Plant 1 Influent Channel Additional Coating between Primary Basins 5 and 6	10/7/2021		\$ 15,469.98
28	Olsson	3287-000	MCC-F1 Lighting Changes	10/7/2021		\$ 7,843.04
29	Olsson	3287-000	Digester 3 Ground Rod	10/14/2021		\$ 7,269.16
30	Olsson	3220-000	New Fiber Conduits at East Electrical and Storm Water Buildings	10/14/2021		\$ 8,045.43
31	Olsson	3220-000	Plant 2 Primary Influent Channel Repair Credit	12/9/2021		\$ (15,903.00)
32	Olsson	3220-000	Plant 1 and 2 Telescoping Valve Pipe Supports	12/9/2021		\$ 6,132.27

<u>Change Order No.</u>	<u>Vendor Name</u>	<u>Project ID</u>	<u>Description</u>	<u>Status Date</u>	<u>Days</u>	<u>Amount</u>
33	Olsson	3287-000	4" Gas Line Routing Modifications	12/9/2021		\$ 18,146.07
34	Olsson	3287-000	Gas Mixer Conduit Conflict	12/9/2021		\$ 12,383.89
35	Olsson	3220-000	P1 Primary Tanks 5 and 6 Temporary Power	3/10/2022		\$ 7,256.05
36	Olsson	3220-000	P1 Primary Tanks Skimmers Starter Modification	3/10/2022		\$ 45,374.13
37	Olsson	3220-000	P1 Primary Tanks Hopper Wall Coating	3/10/2022		\$ 34,505.41
38	Olsson	3220-000	P1 Effluent Channel Conduit Conflict	3/10/2022		\$ 9,274.98
39	Olsson	3220-000	P1 Primary Tanks Torque Limit Switch	3/10/2022		\$ 7,149.86
40	Olsson	3287-000	Multi-zone air conditioning unit in the Cogen MCC Room and Office	3/10/2022		\$ (2,309.09)
41	Olsson	3287-000	DAFT 2 Repair	3/10/2022		\$ 59,403.53
42	Olsson	3287-000	Digesters 1 and 2 Heat Exchanger Layout Reconfiguration Electrical	6/2/2022	1	\$ 12,885.18
43	Olsson	3287-000	Digester 3 Heat Exchanger Hot Water Loop Tie-In	6/2/2022		\$ 2,774.58
44	Olsson	3220-000	Plant 1 Primary Basin 1 Shutdown Repair Work	6/2/2022		\$ 1,009.86
45	Olsson	3287-000	Replace Compressor Line and Valve at Digester 4	6/2/2022		\$ 10,762.85

<u>Change Order No.</u>	<u>Vendor Name</u>	<u>Project ID</u>	<u>Description</u>	<u>Status Date</u>	<u>Days</u>	<u>Amount</u>
46	Olsson	3220-000	Plant 2 Influent Gates Removal and Concrete Demo	6/2/2022		\$ 5,389.66
47	Olsson	3287-000	DAFT 2 Launder Support Detail	6/9/2022		\$ 45,682.30
48	Olsson	3220-000	Plant 1 Primary Basins 1, 2, 5 and 6 Coating Removal	6/9/2022		\$ 111,101.16
49	Olsson	3220-000	Plant 1 Primary Basins 1, 2, 5 and 6 Existing Equipment Removal and Reinstallation	6/9/2022		\$ 71,864.17
50	Olsson	3287-000	Digester Mixing Pumps Control Programming Change	8/4/2022		\$ 4,397.77
51	Olsson	3220-000	Plant 1 Primary Basins Skimmers I/O Connection and Programming Change	8/4/2022		\$ 14,237.83
52	Olsson	3287-000	Fiber Patch Cables to Connect the Centrifuge PLC to the Centrifuge Patch Panel	8/4/2022		\$ 3,755.90
53	Olsson	3220-000	Plant 1 Primary Basins 3 and 4 Coating Removal	8/4/2022		\$ 43,222.24
54	Olsson	3220-000	Plant 1 Secondary Basins Concrete Structural and Basins 2 and 3 Drive Plate Rework	8/4/2022		\$ 20,860.16

<u>Change Order No.</u>	<u>Vendor Name</u>	<u>Project ID</u>	<u>Description</u>	<u>Status Date</u>	<u>Days</u>	<u>Amount</u>
55	Olsson	3220-000	Plant 2 Primary Basins Repair and Rehab of Head-Shaft Bearings	8/4/2022		\$ 4,618.44
56	Olsson	3231-000	Board SOCWA Front Office with Plywood to Cover Windows	8/4/2022		\$ 3,305.76
57	Olsson	3220-000	Seal the Openings at Plant 1 Primary Influent and Effluent Channels	8/4/2022		\$ 25,491.03
58	Olsson	3220-000	Plant 1 Primary Basins 3 and 4 Existing Equipment Removal and Reinstallation	9/1/2022		\$ 26,498.32
59	Olsson	3220-000	Plant 1 Secondary Basins Existing Embedded Metal Plates	9/1/2022		\$ 4,290.48
60	Olsson	3220-000	Plant 2 Primary Baffle Frame Replacement	9/1/2022		\$ 18,291.57
1CM Common	Butier	3231-000	CM Change Order No. 1	7/13/2021		\$ 48,995.00
1CM Liquids	Butier	3220-000	CM Change Order No. 1	7/13/2021		\$ 294,125.00
1CM Solids	Butier	3287-000	CM Change Order No. 1	7/13/2021		\$ 269,595.00
1ESDC Common	Carollo	3231-000	ESDC Change Order No. 1	6/3/2021		\$ 18,210.00
1ESDC Liquids	Carollo	3220-000	ESDC Change Order No. 1	6/3/2021		\$ 109,256.00
1ESDC Solids	Carollo	3287-000	ESDC Change Order No. 1	6/3/2021		\$ 100,151.00

<u>Change Order No.</u>	<u>Vendor Name</u>	<u>Project ID</u>	<u>Description</u>	<u>Status Date</u>	<u>Days</u>	<u>Amount</u>
1G Common	Ninyo & Moore	3231-000	Geotechnical Services Change Order No. 1	2/3/2022		\$ 5,400.00
1G Liquids	Ninyo & Moore	3220-000	Geotechnical Services Change Order No. 1	2/3/2022		\$ 12,300.00
1G Solids	Ninyo & Moore	3287-000	Geotechnical Services Change Order No. 1	2/3/2022		\$ 12,300.00
2CM Liquids	Butier	3220-000	CM Change Order No 2	5/12/2022		\$ 196,268.00
2CM Solids	Butier	3287-000	CM Change Order No. 2	5/12/2022		\$ 196,268.00
2ESDC Common	Carollo	3231-000	ESDC Change Order No. 2	12/9/2021		\$ 11,075.00
2ESDC Liquids	Carollo	3220-000	ESDC Change Order No. 2	12/9/2021		\$ 196,440.00
2ESDC Solids	Carollo	3287-000	ESDC Change Order No. 2	12/9/2021		\$ 180,905.00
Duduct-Common	Olsson	3231-000	Energy Building Monorail System Descope (F1-F4)	8/4/2022		\$ (70,585.34)
Duduct-Liquids	Olsson	3220-000	Effluent Pump Station Descope (A1-A6)	8/4/2022		\$ (483,605.73)
Duduct-Solids	Olsson	3287-000	Energy Building Modifications Descope (G1-G2, & H1-H2)	8/4/2022		\$ (357,382.60)
HAL 01	Hallsten	3220-000	Cover Layout Modifications	8/4/2022		\$ 16,715.25
Potential Change						\$ 419,427.42
PCO 002	Olsson	3287-000	Digester 4 Rail Coating	(blank)		\$ (1,000.00)
PCO 004	Olsson	3287-000	Digester 4 Control Narrative	(blank)		\$ 5,000.00
PCO 005	Olsson	3287-000	TWAS Slab Modifications	(blank)		\$ 50,000.00
PCO 009	Olsson	3287-000	PLC East Headworks Integration	(blank)		\$ 10,000.00

<u>Change Order No.</u>	<u>Vendor Name</u>	<u>Project ID</u>	<u>Description</u>	<u>Status Date</u>	<u>Days</u>	<u>Amount</u>
PCO 018	Olsson	3287-000	Pothole Electrical Rack 2'x2' footing to identify conflict for Ductbank L	9/8/2022		\$ 2,200.99
PCO 026	Olsson	3287-000	Gas Hatch Lids Mating Connection	(blank)		\$ 7,771.00
PCO 039	Olsson	3220-000	Diversion Structure Gate Actuator Power Feed Replacement	8/13/2020		\$ 5,000.00
PCO 050	Olsson	3220-000	Telescoping Valves Rework	12/23/2020		\$ 27,884.00
PCO 066	Olsson	3287-000	DAFT 1 Repair	(blank)		\$ 60,000.00
PCO 081	Olsson	3220-000	Plant 1 Primary Influent Channel Additional Cleaning	7/27/2022		\$ 19,667.41
PCO 087	Olsson	3220-000	Plant 1 Primary Basins Crack Injection	7/18/2022		\$ 77,641.65
PCO 092	Olsson	3287-000	Hot Water System Expansion Tank	8/31/2021		\$ 5,000.00
PCO 094	Olsson	3287-000	Additional Red Coloring Agent to Concrete	9/1/2021		\$ 5,000.00
PCO 095	Olsson	3287-000	Foul Air Rerouting at DAFT 2	9/2/2021		\$ 5,000.00
PCO 097	Olsson	3287-000	Digester Hot Water Temperature Gauge Setting	9/15/2021		\$ 5,000.00
PCO 098	Olsson	3220-000	Plant 1 Bypass pumping Change	10/12/2021		\$ 74,226.27
PCO 113	Olsson	3287-000	Field Wiring Solenoid Valve for DAFT 2 Pressurization System	3/15/2022		\$ 25,061.07

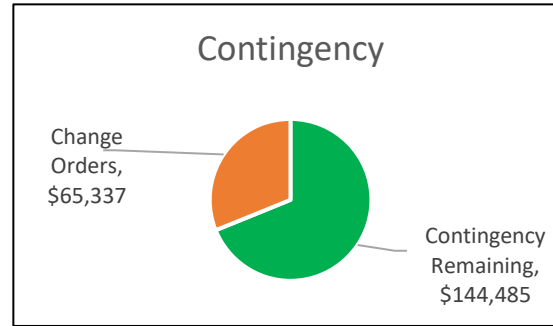
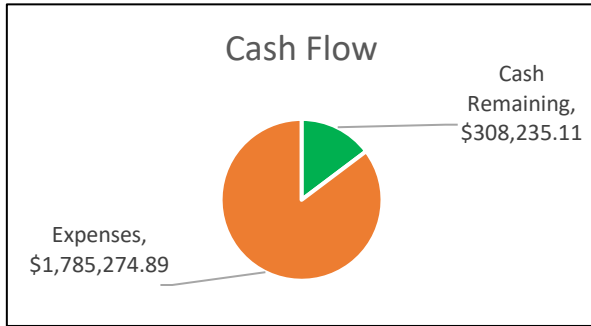
<u>Change Order No.</u>	<u>Vendor Name</u>	<u>Project ID</u>	<u>Description</u>	<u>Status Date</u>	<u>Days</u>	<u>Amount</u>
PCO 115	Olsson	3220-000	Plant 1 Primary Basins and Channels Additional Solids Removal	7/27/2022		\$ 41,181.11
PCO 120	Olsson	3287-000	DAFT Grout Removal and Replacement Credit	8/17/2022		\$ (10,295.53)
PCO 136	Olsson	3220-000	Plant 1 Primary Effluent Channel concrete repair work	9/8/2022		\$ 5,089.45
Grand Total					191	\$ 2,979,468.64

Project Financial Status

Data Last Updated

Project Committee	17
Project Name	Aeration Diffuser Replacements
Project Description	Replacing panel diffusers with disc diffusers in all six aeration basins. Includes replacement of drop pipes and air distribution piping inside the basins.

August 29, 2022



Cash Flow

Collected	\$ 2,093,510.00
Expenses	\$ 1,785,274.89

Project Completion

Schedule	97%
Budget	95%

Construction Contracts

Company	PO No.	Original	Change Orders	Amendments	Total	Invoiced
Filanc	16306	\$ 1,747,194.00	\$ 65,337.02		\$ 1,812,531.02	\$ 1,749,880.02
Lee & Ro	16119	\$ 37,738.00		\$ -	\$ 37,738.00	\$ 16,304.47
					\$ -	\$ -
		\$ 1,784,932.00	\$ 65,337.02	\$ -	\$ 1,850,269.02	\$ 1,766,184.49

**Values include change orders to be reviewed by Engineering Committee and deductive change orders*

Construction Contingency

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	3753-000	\$ 209,822.00	\$ 65,337.02	\$ 144,484.98	31.1%
		\$ 209,822.00	\$ 65,337.02	\$ 144,484.98	31.1%

Change Orders

<u>Change Order No.</u>	<u>Vendor Name</u>	<u>Project ID</u>	<u>Description</u>	<u>Status Date</u>	<u>Amount</u>	<u>Days</u>
Within Contingency, to be reviewed by Engineering Committee					\$ -	234
04	Filanc	3753-000	Diffuser Delivery Time Extension	3/30/2022	\$ -	234
Approved by Board of Directors					\$ 65,337.02	0
01	Filanc	3753-000	Corroded Grating Angle Replacement	9/1/2022	\$ 5,748.01	0
02	Filanc	3753-000	Diffuser Support Modifications (Supply Chain Issue)	9/1/2022	\$ 21,437.52	0
03	Filanc	3753-000	Air Header Insulation	9/1/2022	\$ 38,151.49	0
Grand Total					\$ 65,337.02	234

Agenda Item

9

Engineering Committee Meeting

Meeting Date: September 8, 2022

TO: Engineering Committee

FROM: Roni Young, Associate Engineer

SUBJECT: JB Latham Treatment Plant Package B Project Update [Project Committee 2]

Overview

Staff will provide an update on the status of construction and completion.

Recommended Action: Information Item.

Agenda Item

10

Engineering Committee Meeting

Meeting Date: September 8, 2022

TO: SOCWA Engineering Committee

FROM: Roni Young, Associate Engineer

SUBJECT: JB Latham Treatment Plant Package B Liquids Contingency Increase
[Project Committee 2]

Overview

Over the past few Engineering Committee meetings, we have updated the Committee on the progress of the J.B. Latham Package B Project (Project), as well as some of the challenges encountered on the Project. As reported in the most recent Capital Improvement Construction Report and in Table 1 below, the Liquids portion of the Project is nearly out of contingency. We are requesting the approval of additional contingency for the Liquids portion of the Project to cover any new contractor change orders.

Table 1 – Package B Contingency

Area	Project Code	Contingency Amount	Change Orders	Remaining Contingency	Percent Used
Liquids	3220-000	\$719,679.00	\$669,491.72	\$50,187.28	93.0%
Common	3231-000	\$38,120.00	\$3,305.76	\$34,814.24	8.7%
Solids	3287-000	\$1,544,449.00	\$1,167,570.50	\$376,878.50	75.6%
Total		\$2,302,248.00	\$1,840,367.98	\$461,880.02	79.9%

The contingency for this project has a complicated history. Previously, \$294,125 for Amendment 1 for Butier Engineer's Construction Management Services was allocated against the Package B Liquids contingency. Similarly, \$109,256 for Amendment 1 and \$196,440 of Amendment 2 for Carollo Engineer's Engineering Services during Construction (ESDC) were allocated against the Package B Liquids contingency. Additionally, \$12,300 for Amendment 1 for Ninyo & Moore geotechnical services was allocated against the Package B Liquids contingency. This resulted in staff requesting contingency increases already.

After discussing with the PC 2 Engineering Committee members on May 11, 2022, it was agreed upon that consultant amendments should be presented separately from the contractor change orders. Therefore, \$612,121 of the previously requested Liquids contingency was allocated to consultant amendments instead of the contractor change orders. This left \$719,679 in contractor Liquids contingency.

The original contract value for Liquids construction was \$7,710,000. The original Liquids contingency was 8% of the original contract (\$616,800). The revised Liquids contingency for contractor change orders of \$719,679 equates to 9.3% of the original contract value.

Staff is requesting an increase in Liquids contingency of \$250,000, which will bring the revised Liquids contingency to \$969,697, equal to 12.6% of the original Liquids construction contract value.

The requested increase is based on the estimated \$240,600 in potential Liquids change orders shown in Table 2. The Liquids portion of the work is nearly complete, and we don't foresee needing any additional contingency.

Table 2 – Potential Change Orders for Package B Liquids

PCO Number	Project ID	Description	Status	Amount
PCO 081	3220-000	Plant 1 Primary Influent Channel Additional Cleaning	Potential Change	\$19,667
PCO 087	3220-000	Plant 1 Primary Basins and Channels Crack Injections	Potential Change	\$77,642
PCO 050	3220-000	Telescoping Valve Rework	Potential Change	\$27,884
PCO 098	3220-000	Bypass Pumping Change	Potential Change	\$74,227
PCO 115	3220-000	Plant 1 Primary Basins and Channels Additional Solids Removal	Potential Change	\$41,181
Total				\$240,600

Fiscal Impact

As stated above, the current estimate for potential change orders is \$240,600 for the Liquids portion of the Project, but there is only \$50,187.28 remaining in the Liquids contingency. Change Orders against the contingency will be presented to the Engineering Committee and the Board for approval. Table 3 shows the agency allocation for the requested Liquids contingency.

Table 3 – Agency Allocation for the Requested Contingency

Member Agency	3220-000 Facility Improvements B- Liquids Improvements
CSJC	\$76,925
MNWD	\$57,700
SCWD	\$72,100
SMWD	\$43,275
Total	\$250,000

Recommended Action: Staff recommends that the Engineering Committee recommend that the PC-2 Board of Directors approve the addition of \$250,000 of contingency to the J.B. Latham Package B Liquids Improvements (3220-000).