

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

**ENGINEERING COMMITTEE  
TELECONFERENCE MEETING**

**TELECONFERENCE PHONE NUMBER: (213) 279-1455  
TELECONFERENCE ID: 623 564 296**

**February 11, 2021**

**8:30 a.m.**

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 **February 11, 2021** at **8:30 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. This meeting is being conducted via Teleconference pursuant to the California Governor Executive Order N-29-20.

*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 THE WEB-SITE [WWW.SOCWA.COM](http://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 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 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"). 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. Approval of Minutes**

- Engineering Committee Meeting of January 14, 2021

**Recommended Action:** Staff recommends the Engineering Committee to approve Minutes as submitted.

**4. Operations Report**

**Recommended Action:** Information Item

**5. Capital Improvement Construction Projects Report**

**Recommended Action:** Information Item; no action required

**6. San Juan Creek Ocean Outfall Junction Structure Rehabilitation Project**

**Recommended Action:** Information Item

**7. Regional Treatment Plant (RTP) Aeration Diffuser Upgrade Project Construction Bids [Project Committee 17]**

**Recommended Action:** Staff recommends that the Engineering Committee recommend to the PC-17 Board to award the construction contract to JR Filanc in the amount of \$1,747,194 with a contingency of \$209,663 for the construction of the RTP Aeration Diffuser Project.

**8. SOCWA Capital Improvements Initial Draft Budget [Project Committee 15]**

**Recommended Action:** Information Item

**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](http://www.socwa.com).

Dated this 5th day of February 2021.



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

**MINUTES OF REGULAR MEETING  
OF THE  
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY  
Engineering Committee**

**DRAFT**

**January 14, 2020**

The Regular Meeting of the South Orange County Wastewater Authority (SOCWA) Engineering Committee Meeting was held on January 14, 2010, at 8:30 a.m. via teleconferencing from the Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Engineering Committee were present via Teams Meeting:

MIKE MARQUIS	City of San Juan Capistrano
BOBBY YOUNG	El Toro Water District
MIKE DUNBAR	Emerald Bay Service District [arrived @ 8:33 a.m.]
ROD WOODS	Moulton Niguel Water District
DON BUNTS	Santa Margarita Water District
MARC SERNA	South Coast Water District
LORRIE LAUSTEN	Trabuco Canyon Water District

**Absent:**

DAVID SHISSLER	City of Laguna Beach
DAVE REBENDORF	City of San Clemente
KEVIN BURTON	Irvine Ranch Water District [exited @ 9:40 a.m.]

**Staff Present:**

BETTY BURNETT	General manager
JASON MANNING	Director of Engineering
DAVID BARANOWSKI	Senior Engineer
RONI YOUNG	Associate Engineer
JIM BURROR	Director of Operations
DANIEL VASQUEZ	Chief Mechanic
JEANETTE COTINOLA	Procurement/Contracts Administrator
DANITA HIRSH	Executive Assistant

**Also Present:**

HANNAH JOHNSON	City of Laguna Beach
DENNIS ERDMAN	South Coast Water District
TARYN KJOSLINGS	South Coast Water District

**1. Call Meeting to Order**

Mr. Manning, Director of Engineering called the meeting to order at 8:31 a.m. and welcomed everyone to the first Engineering Committee meeting of 2021.

**2. Public Comments**

None

**3. Approval of Minutes**

a. Engineering Committee Meeting of November 12, 2020

**ACTION TAKEN**

Motion was made by Mr. Bunts seconded by Mr. Dunbar to approve the Engineering Committee Minutes of November 12, 2020 as submitted.

Motion Carried: Aye 7, Nay 0, Abstained 1, Absent 2

Hannah Johnson (CLB)	Abstain
Dave Rebensdorf (CSC)	Absent
Mike Marquis (CSJC)	Aye
Mike Dunbar (EBSD)	Aye
Bobby Young (ETWD)	Aye
Kevin Burton (IRWD)	Absent
Rod Woods (MNWD)	Aye
Marc Serna (SCWD)	Aye
Don Bunts (SMWD)	Aye
Lorrie Lausten (TCWD)	Aye

b. Engineering Committee Meeting of December 10, 2020

**ACTION TAKEN**

Motion was made by Mr. Dunbar and seconded by Ms. Lausten to approve the Engineering Committee Minutes of December 10, 2020 as submitted.

Motion Carried: Aye 7, Nay 0, Abstained 1, Absent 2

Hannah Johnson (CLB)	Abstain
Dave Rebensdorf (CSC)	Absent
Mike Marquis (CSJC)	Aye
Mike Dunbar (EBSD)	Aye
Bobby Young (ETWD)	Aye
Kevin Burton (IRWD)	Absent
Rod Woods (MNWD)	Aye
Marc Serna (SCWD)	Aye
Don Bunts (SMWD)	Aye
Lorrie Lausten (TCWD)	Aye

**4. Operations Status Report**

Mr. Burror reported there are several construction projects occurring simultaneously and that under the circumstances, staff was managing them very well. He also gave an updated on the status on the AWT at the Regional Treatment Plant. An open discussion ensued.

This was an information item; no action was taken.

**5. Capital Improvement Construction Projects Report**

Mr. Manning gave a status update on the Project Committee 15 Sludge Force Main and the Project Committee 5 Juncture Structure projects. He stated that earth-moving work for the Sludge Force Main project is expected to begin in early March and that the first night of work in the Junction Structure was currently planned to being on January 27<sup>th</sup>, 2021.

Ms. Young gave an update on Package B Project Change Order No. 16. She noted that Change Order 16 was due to replacing the roof system to bring up to code at Digester 3/4. She also noted for the recorded that the maintenance staff had obtained two (2) other proposals for cost comparison.

**ACTION TAKEN**

The PC-2 Engineering Committee conceded to recommending the PC-2 Board to approve Change Order No. 16 in the amount of \$42,780.

Motion Carried: Aye 4, Nay 0, Abstained 0, Absent 0  
Mike Marquis Aye  
Rod Woods (MNWD) Aye  
Don Bunts (SMWD) Aye  
Marc Serna (SCWD) Aye

Mr. Baranowski gave a brief update on the Coastal Treatment Plant Facility Improvements. He noted the credit in the amount of \$8,803 was due to items no longer needing to be performed at the MCC Feeder. No action was required.

Mr. Manning gave an update on the Regional Treatment Change Orders No. 15 through 20. He noted several areas of improvements needed. An open discussion ensued.

**ACTION TAKEN**

The PC-17 Engineering Committee conceded to recommending the PC-17 Board to approve Change Orders 15 through 20 totaling \$111,838 for PC-17 Liquids.

**6. Coastal Treatment Plant (CTP) Facility Improvements Construction Update  
[Project Committee 15]**

Mr. Baranowski gave a presentation on the improvements that have been performed on the CTP Facility Improvements Project over the past year since the improvements began in August of 2019. He also noted the project is currently 72% complete.

This was an information item; no action was taken.

**7. Coastal Treatment Plant (CTP) Sludge Force Main Project Construction  
Management Proposal Review [Project Committee 15]**

Mr. Manning reported on the proposals received for the Construction Management Services for the Sludge Force Main Project. An open discussion ensued.

**ACTION TAKEN**

The PC-15 Engineering Committee conceded to recommending the PC-15 Board to award the time and materials contract to Butier Engineers in the amount of \$226,100 and to add an \$18,000 contingency for the construction management services during construction for the CTP Sludge Force Main Project.

Motion Carried: Aye 3, Nay 0, Abstained 1, Absent 0  
Hannah Johnson (CLB) Aye  
Mike Dunbar (EBS) Aye  
Rod Woods (MNWD) Abstain  
Marc Serna (SCWD) Aye

**Adjournment**

There being no further business, Mr. Manning adjourned the meeting at 9:29 a.m.

I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of the Regular Meeting of the South Orange County Wastewater Authority Engineering Committee of January 14, 2020, and approved by the Engineering Committee and received and filed by the Board of Directors of the South Orange County Wastewater Authority.

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

# Agenda Item

5

**Engineering Committee Meeting**

**Meeting Date:** February 11, 2021

**TO:** Engineering Committee  
**FROM:** Jason Manning, Director of Engineering  
**SUBJECT:** Capital Improvement Construction Projects Report

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## **Overview**

### *Active Construction Project Updates:*

Attached are the updated CIP reports. There are no new change orders.

As a reminder, change orders within the General Manager's purchasing authority (less than \$50,000) and within the project contingency will be presented in this report and then to the Board of Directors. This is in accordance with the current purchasing policy, the change order procedure update provided to Engineering Committee in November 2019 and the contingencies approved by the Board in December 2019.

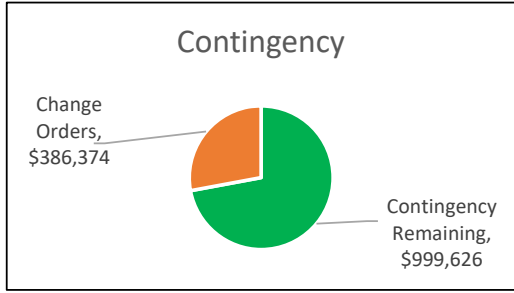
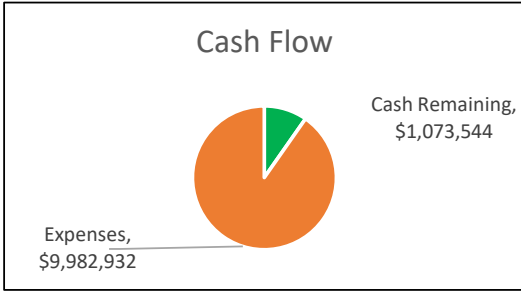
**Recommended Action:** Information Item; no action required

**Project Financial Status**

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

**Data Last Updated**

January 31, 2021



**Cash Flow**

Collected	\$11,056,476
Expenses	\$9,982,932

**Project**

**Completion**

Schedule	61%
Budget	44%

**Contracts**

Company	PO No.	Original	Change Orders	Total	Paid
Olsson	13497	\$ 17,325,000	\$ 386,374	\$ 17,711,374	\$ 7,025,545
Butier	13647	\$ 1,055,325	\$ -	\$ 1,055,325	\$ 786,373
Carollo	13616	\$ 846,528	\$ -	\$ 846,528	\$ 686,755
TetraTech	13605	\$ 94,000	\$ -	\$ 94,000	\$ 81,837
		<b>\$ 19,320,853</b>	<b>\$ 386,374</b>	<b>\$ 19,707,227</b>	<b>\$8,580,510</b>

**Contingency**

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	3220-000	\$ 616,800	\$ 73,170	\$ 543,630	11.9%
Common	3231-000	\$ 96,800	\$ -	\$ 96,800	0.0%
Solids	3287-000	\$ 672,400	\$ 313,204	\$ 359,196	46.6%
		<b>\$ 1,386,000</b>	<b>\$ 386,374</b>	<b>\$ 999,626</b>	<b>27.9%</b>



**Change Orders**

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
1	Olsson	3287-000	Addition of Loop Piping to the Existing Hot Water Lines Adjacent to Digester 3	Approved by Board of Directors	12/12/2019		\$ 4,725
2	Olsson	3287-000	Asbestos Gaskets in Boiler hazardous disposal	Approved by Board of Directors	6/4/2020		\$ 6,343
3	Olsson	3287-000	Add Analog Infrastructure and Cabling	Approved by Board of Directors	6/4/2020		\$ 37,970
4	Olsson	3287-000	Digester 4 Coating Additional Sealant	Approved by Board of Directors	6/4/2020		\$ 24,002
5	Olsson	3220-000	Valve Handwheel Ergonomic extension	Approved by Board of Directors	8/6/2020		\$ 16,370
6	Olsson	3287-000	Change to DeZurik Plug Valves to match existing	Approved by Board of Directors	8/6/2020		\$ 41,994
7	Olsson	3287-000	Digester 4 Additional Concrete Repair	Approved by Board of Directors	8/6/2020		\$ 7,413
8	Olsson	3287-000	Repair Existing Damaged Electrical Box	Approved by Board of Directors	8/6/2020		\$ (1,829)
9	Olsson	3220-000	Change the Telescoping Valve Boxes and Piping from Carbon Steel to Stainless Steel	Approved by Board of Directors	8/6/2020		\$ 18,678

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
10	Olsson	3287-000	Duct bank J Interferences	Approved by Board of Directors	12/17/2020		\$ 73,639
11	Olsson	3220-000	Blasting of Existing Influent Pipe Spools	Approved by Board of Directors	12/17/2020		\$ 20,869
12	Olsson	3220-000	Duct bank K Interferences	Approved by Board of Directors	12/17/2020		\$ 15,567
13	Olsson	3287-000	Digester 3/4 PLC Relocation	Approved by Board of Directors	12/17/2020		\$ 41,368
14	Olsson	3287-000	Digester 4 Additional Tank Repair	Approved by Board of Directors	12/17/2020		\$ 34,800
15	Olsson	3220-000	Duct bank O Interferences	Approved by Board of Directors	12/17/2020		\$ 1,687
16	Olsson	3287-000	Digester 3/4 Control Building Roof Replacement	Approved by Board of Directors	2/4/2021		\$ 42,780
PCO 002	Olsson	3287-000	Digester 4 Rail Coating. The coating is not needed and resulting in a credit but some rehabilitation work will be needed.	Potential Change	(blank)	-\$1,000	
PCO 004	Olsson	3287-000	Digester 4 Control Narrative needed	Potential Change	(blank)	\$5,000	
PCO 005	Olsson	3287-000	TWAS Slab Modifications	Potential Change	(blank)	\$50,000	
PCO 007	Olsson	3287-000	Relocation of MCC-F1	Potential Change	(blank)	\$40,000	
PCO 008	Olsson	3287-000	Conduit Routing Conflict from MCC-F1	Potential Change	(blank)	\$15,000	

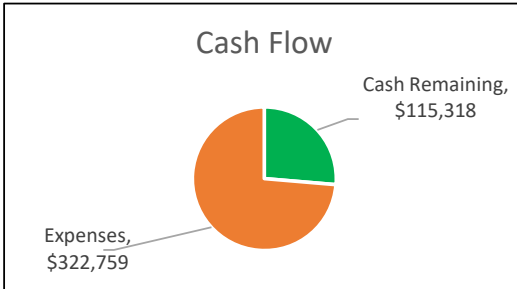
Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
PCO 009	Olsson	3287-000	PLC East Headworks Integration	Potential Change	(blank)	\$5,000	
PCO 012	Olsson	3287-000	PCL-CG Integration	Potential Change	(blank)	\$5,000	
PCO 014	Olsson	3287-000	Digester 4 Compressor Supply Line	Potential Change	(blank)	\$18,146	
PCO 018	Olsson	3287-000	Duct bank L Interferences	Potential Change	(blank)	\$5,000	
PCO 026	Olsson	3287-000	Gas Hatch Lids Mating Connection	Potential Change	(blank)	\$7,771	
PCO 028	Olsson	3287-000	4" Gas Line Routing Modifications	Potential Change	(blank)	\$18,147	
PCO 032	Olsson	3287-000	Gas Mixer Conduit Conflict	Potential Change	(blank)	\$12,384	
PCO 037	Olsson	3231-000	Energy Building Monorail and Other Conflicts	Potential Change	12/10/2020	\$10,000	
PCO 039	Olsson	3220-000	Diversion Structure Gate Actuator Power Feed Replacement	Potential Change	8/13/2020	\$5,000	
PCO 049	Olsson	3287-000	MCC-D1 Modifications due to Change in Motor Size	Potential Change	12/2/2020	\$20,000	
PCO 050	Olsson	3220-000	Telescoping Valves Rework	Potential Change	12/23/2020	\$30,000	
Grand Total						\$245,448	\$ 386,374

**Project Financial Status**

Project Committee	5
Project Name	San Juan Creek Ocean Outfall Junction Structure Rehabilitation
Project Description	Insertion of duplex stainless steel sleeve to reinforce Junction Structure on Doheny Beach

**Data Last Updated**

January 31, 2021



No Contingency

**Cash Flow**

Collected	\$438,077
Expenses	\$322,759

**Project**

**Completion**

Schedule	59%
Budget	20%

**Contracts**

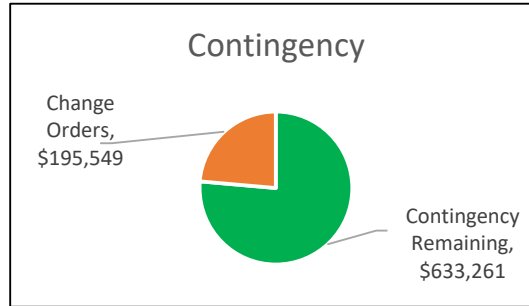
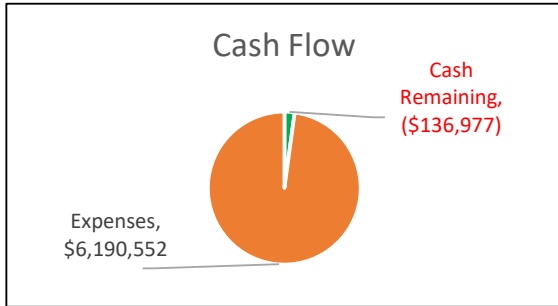
Company	PO No.	Original	Change Orders	Total	Paid
Filanc	15575	\$ 1,041,572	\$ -	\$ 1,041,572	\$ 113,154
Black & Veatch	13880	\$ 169,366	\$ -	\$ 169,366	\$ 145,364
Dudek	15948	\$ 89,668	\$ -	\$ 89,668	\$ -
		<b>\$ 1,300,606</b>	<b>\$ -</b>	<b>\$ 1,300,606</b>	<b>\$258,518</b>

**Project Financial Status**

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

**Data Last Updated**

January 31, 2021



**Cash Flow**

Collected	\$6,053,575
Expenses	\$6,190,552

**Project Completion**

Schedule	82%
Budget	52%

**Contracts**

Company	PO No.	Original	Change Orders	Total	Paid
PCL	13751	\$ 9,209,000	\$ 195,549	\$ 9,404,549	\$ 4,723,292
Butier	13647	\$ 812,288	\$ -	\$ 812,288	\$ 597,288
Hazen & Sawyer	13648	\$ 490,484	\$ -	\$ 490,484	\$ 244,829
		<b>\$ 10,511,772</b>	<b>\$ 195,549</b>	<b>\$ 10,707,321</b>	<b>\$5,565,408</b>

**Contingency**

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	3539-000	\$ 828,810	\$ 195,549	\$ 633,261	23.6%
		<b>\$ 828,810</b>	<b>\$ 195,549</b>	<b>\$ 633,261</b>	<b>23.6%</b>

**Change Orders**

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
1	PCL	3539-000	Additional Potholing	Approved by Board of Directors	8/6/2020		\$ 22,936
2	PCL	3539-000	Gas Line Replacement	Approved by Board of Directors	8/6/2020		\$ 41,006
3	PCL	3539-000	Main Switchgear Building Underground Conflicts	Approved by Board of Directors	8/6/2020		\$ 8,683
4	PCL	3539-000	Mud Valve Bolt Removal	Approved by Board of Directors	8/6/2020		\$ 6,577
5	PCL	3539-000	Additional Anchor Bolt Removal	Approved by Board of Directors	8/6/2020		\$ 15,271
6	PCL	3539-000	Slide Gate Concrete Repair	Approved by Board of Directors	8/6/2020		\$ 3,396
7	PCL	3539-000	Sludge Collector Wear Strips	Approved by Board of Directors	8/6/2020		\$ 5,304
8	PCL	3539-000	SCE Transformer Slab Box	Approved by Board of Directors	9/3/2020		\$ 4,378
9	PCL	3539-000	Duct Bank 5 Buried Utility Conflicts	Approved by Board of Directors	10/1/2020		\$ 32,224
10	PCL	3539-000	Telescoping Valve Modifications	Approved by Board of Directors	10/1/2020		\$ 36,067
11	PCL	3539-000	Secondary Effluent Channel Improvements	Approved by Board of Directors	12/17/2020		\$ 5,153

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
12	PCL	3539-000	Portable Generator Tap Enclosures in Buildings 2 & 15	Approved by Board of Directors	12/10/2020		\$ 18,356
13	PCL	3539-000	Conduit, wiring, and mounting of LL1 fixtures	Approved by Board of Directors	12/10/2020		\$ 5,001
14	PCL	3539-000	MCC Feeder Credit	Approved by Board of Directors	2/4/2021		\$ (8,803)
PCO 006	PCL	3539-000	Additional Pothole Paving	Potential Change	(blank)	\$5,000	
PCO 013	PCL	3539-000	Ferric Containment Foundation	Potential Change	(blank)	\$15,000	
PCO 015	PCL	3539-000	RAS Channel Modification Descope	Potential Change	(blank)	-\$2,000	
PCO 016	PCL	3539-000	Spray Water Piping Replacement	Potential Change	(blank)	\$1,500	
PCO 019	PCL	3539-000	Switchgear Building Concrete Repair	Potential Change	(blank)	\$30,000	
PCO 024	PCL	3539-000	Drainage Pump Station Descope	Potential Change	(blank)	-\$400,000	
PCO 025	PCL	3539-000	Sludge Collector Mounting Plate Replacement	Potential Change	(blank)	\$13,815	

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
PCO 026	PCL	3539-000	Additional Spall Repair - East Secondary Basins	Potential Change	(blank)	\$10,000	
PCO 028	PCL	3539-000	Ops Building Gas Line Relocation	Potential Change	(blank)	\$5,000	
PCO 029	PCL	3539-000	Building 15 Concrete Restoration	Potential Change	(blank)	\$20,000	
PCO 030	PCL	3539-000	Basin Leaking Crack Repair	Potential Change	(blank)	\$5,000	
PCO 031	PCL	3539-000	Roll Up Door Fascia	Potential Change	(blank)	\$3,000	
PCO 035	PCL	3539-000	Grit Chamber Conflicts	Potential Change	(blank)	\$20,000	
PCO 037	PCL	3539-000	Additional Spall Repair - Grit Channels	Potential Change	(blank)	\$25,000	
PCO 038	PCL	3539-000	Aeration Channel Conflicts	Potential Change	(blank)	\$8,000	
PCO 040	PCL	3539-000	Helical Skimmer Wiring	Potential Change	(blank)	\$2,000	
PCO 042	PCL	3539-000	Mixed Liquor Channel Remobilization	Potential Change	(blank)	\$15,000	
PCO 043	PCL	3539-000	Building 10 Roof Repairs	Potential Change	(blank)	\$10,000	
PCO 044	PCL	3539-000	Building 10 Wall Repair	Potential Change	(blank)	\$2,000	
PCO 046	PCL	3539-000	1/2" Ferric Line Conflicts	Potential Change	(blank)	\$5,000	
PCO 047	PCL	3539-000	West Telescoping Valve Improvements	Potential Change	(blank)	\$25,000	



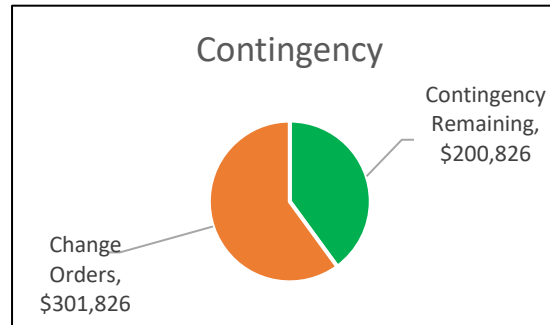
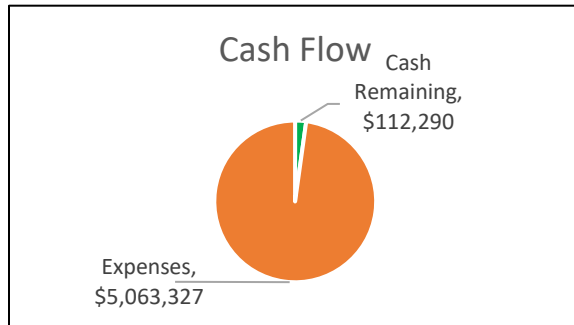
Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
PCO 048	PCL	3539-000	West Secondary Effluent Channel Concrete Repair	Potential Change	(blank)	\$20,000	
PCO 049	PCL	3539-000	Removal of Scope - West Basin Sludge/Scum Collection Equipment	Potential Change	(blank)	-\$300,000	
PCO 050	PCL	3539-000	RAS Box Leaks	Potential Change	(blank)	\$0	
PCO 051	PCL	3539-000	Grit Grating Modifications	Potential Change	(blank)	\$0	
Grand Total						-\$461,685	\$195,549

**Project Financial Status**

**Data Last Updated**

Project Committee	17
Project Name	Miscellaneous Improvements 2018
Project Description	Secondary electrical upgrades and Primary Gallery rehabilitation, installation of access walkway and Energy Building roof

January 31, 2021
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**Cash Flow**

Collected	\$5,175,617
Expenses	\$5,063,327

**Project Completion**

Schedule	100%
Budget	91%

**Contracts**

Company	PO No.	Original	Change Orders	Total	Paid
Filanc	13678	\$ 4,181,205	\$ 241,166	\$ 4,422,371	\$ 4,032,349
Dudek	14164	\$ 137,625	\$ 60,660	\$ 198,285	\$ 162,426
Lee & Ro	14006	\$ 123,310	\$ -	\$ 123,310	\$ 123,213
		<b>\$ 4,442,140</b>	<b>\$ 301,826</b>	<b>\$ 4,743,966</b>	<b>\$4,317,987</b>

**Contingency**

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	3701-000	\$ 343,593	\$ 274,058	\$ 69,535	79.8%
Common	3769-000	\$ 4,545	\$ -	\$ 4,545	0.0%
Solids	3751-000	\$ 154,514	\$ 27,768	\$ 126,746	18.0%
		<b>\$ 502,652</b>	<b>\$ 301,826</b>	<b>\$ 200,826</b>	<b>60.0%</b>

**Change Orders**

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
1	Filanc	3701-000	Additional Conduit Support around Admin Building	Approved by Board of Directors	8/6/2020		\$32,929.28
2	Filanc	3701-000	Primary Deck Conduit Supports	Approved by Board of Directors	8/6/2020		\$ 9,611.12
3	Filanc	3701-000	Electrical Manhole 2 collar concrete/pavement repair	Approved by Board of Directors	8/6/2020		\$ 2,986.60
4	Filanc	3701-000	Primary Gallery Concrete Deck Repair	Approved by Board of Directors	8/6/2020		\$ 6,363.00
5	Filanc	3701-000	VFD Cabinet change from 316 to 304 Stainless Steel	Approved by Board of Directors	8/6/2020		\$ (2,100.00)
6	Filanc	3701-000	Duct bank Vault size change to accommodate existing utilities and sump	Approved by Board of Directors	8/6/2020		\$ 37,690
7	Filanc	3751-000	Energy Building Roof Steel Beam Anchor Embedment	Approved by Board of Directors	8/6/2020		\$10,280.90
8	Filanc	3701-000	Polymer VFD Improvements	Approved by Board of Directors	10/1/2020		\$ 15,549
9	Filanc	3751-000	Repair/improve floor grating in equipment to meet safety standards	Approved by Board of Directors	10/1/2020		\$ 1,843

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
10	Filanc	3751-000	Additional roofing materials required to level surface	Approved by Board of Directors	10/1/2020		\$ 4,465
11	Filanc	3701-000	Additional backfill material for MH-1	Approved by Board of Directors	10/1/2020		\$ 2,939
12	Filanc	3701-000	Admin Bldg. roof drain rerouting	Approved by Board of Directors	10/1/2020		\$ 966
13	Filanc	3751-000	Additional angle steel needed to support new roof	Approved by Board of Directors	10/1/2020		\$ 1,069
14	Filanc	3701-000	Rebate work on Primary Gallery Deck to resolve potential safety issue	Approved by Board of Directors	10/1/2020		\$ 4,736
15	Filanc	3701-000	Replace installation of fan with louver	Approved by Board of Directors	2/4/2021		\$ (647)
16	Filanc	3701-000	New wire pulled for Sed Basins 5 & 6 flow meters	Approved by Board of Directors	2/4/2021		\$ 1,056
17	Filanc	3701-000	New lighting, outlet, and circuit for scum and sample pumps	Approved by Board of Directors	2/4/2021		\$ 24,000

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
18	Filanc	3701-000	Update instrumentation including 13 new pressure indicators, remove unneeded stations, various epoxy and concrete repair.	Approved by Board of Directors	2/4/2021		\$ 41,094
19	Filanc	3701-000	Modify hardware, PLC logic, and HMI for a polymer alternate water use.	Approved by Board of Directors	2/4/2021		\$ 15,858
20	Filanc	3701-000	Add new DAF flow meters including additional piping and conduit	Approved by Board of Directors	2/4/2021		\$ 30,477
<b>Grand Total</b>							<b>\$ 241,166</b>

# Agenda Item

# 7

**Engineering Committee Meeting**

**Meeting Date:** February 11, 2021

**TO:** Engineering Committee

**FROM:** Jason Manning, Director of Engineering

**SUBJECT:** Regional Treatment Plant (RTP) Aeration Diffuser Upgrade Project Construction Bids [Project Committee 17]

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## Overview

The project will replace the existing no longer supported Parkson Panels in each of the six aeration basins with high efficiency EDI 9-Inch Disc Diffusers. The aeration header will also be modified to allow for four-zone manual control.

## Bids

The following contractors were invited to bid on the Coastal Treatment Plant Sludge Force Main Replacement Project:

Gateway Pacific  
JF Shea  
JR Filanc  
Pascal & Ludwig  
SS Mechanical

Filanc, Pascal & Ludwig, and SS Mechanical attended the pre-bid meeting on January 13, 2021 and bids were received from all three construction firms in attendance. The bid advertisement, Q&A, and submittals were all managed online using PlanetBids.

Table 1 below summarizes the bids and Exhibit A shows a detailed table of the bids. The apparent low bidder being Filanc with a total estimated cost of \$1,747,194.

The Engineer's Estimate for the project is \$1,780,000.

Table 1 – Bid Results

Construction Firm	Bid Result
JR Filanc	\$1,747,194
Pascal and Ludwig	\$2,206,000
SS Mechanical	\$1,768,070

An initial review of the bids and has found that the low bid is fair and reasonable.

**Cost Allocation**

Table 2 – Cost allocation by member agency

<b>Agency</b>	<b>Filanc Construction Bid</b>
	3753-000
MNWD	\$ 1,747,194
<b>Total</b>	<b>\$ 1,747,194</b>

Table 3 – Available budget <sup>1</sup>

<b>3753-000</b>
\$2,076,399

Notes:

1. includes budget from upcoming FY21/22

Project 3753-000 is partially funded with \$226,399 already collected.

Table 4 – Expected Project Costs

<b>Project Element</b>	<b>Cost</b>	<b>Contingency (12%)</b>	<b>Total</b>
Construction	\$1,747,194	\$ 209,663	\$1,956,857
EDSC	\$ 37,738		\$ 37,738
<b>Total</b>	<b>\$1,784,932</b>	<b>\$ 209,663</b>	<b>\$1,994,595</b>

**Recommended Action:** Staff recommends that the Engineering Committee recommend to the PC-17 Board to award the construction contract to JR Filanc in the amount of \$1,747,194 with a contingency of \$209,663 for the construction of the RTP Aeration Diffuser Project.

**BID FORM**

**PROPOSAL TO**

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY**

**FOR THE CONSTRUCTION OF REGIONAL TREATMENT PLANT AERATION  
UPGRADES PROJECT**

Name of Bidder: J.R. FILANC CONSTRUCTION CO., INC.

Business Address: 740 N. ANDREASEN DR., ESCONDIIDO, CA 92029

Phone No. 760-941-7130

**TO THE BOARD OF DIRECTORS OF THE  
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY (OWNER)**

Pursuant to, and in compliance with, your Notice Inviting Sealed Proposals (Bids) and the other documents relating thereto, the undersigned bidder, being fully familiar with the terms of the Contract Documents, local conditions affecting the performance of the Contract, the character, quality, quantities, and scope of the Work, and the cost of the Work at the place where the Work is to be done, hereby proposes and agrees to perform within the time stipulated in the Contract, including all of its component parts and everything required to be performed, and to furnish any and all of the labor, materials, tools, equipment, transportation, services, permits, utilities, and all other items necessary to perform the Contract and complete, in a workmanlike manner, all of the Work required in connection with the construction of said Work all in strict conformity with the plans and specifications and other Contract Documents, including Addenda Nos. N/A, \_\_\_\_\_, and \_\_\_\_\_, for the prices hereinafter set forth.

The undersigned, as bidder, declares that the only persons or parties interested in this proposal as principals are those named herein and that this proposal is made without collusion with any person, firm, or corporation as set forth in more detail in the Non Collision Affidavit executed herewith. Further, he/she proposes and agrees, if the proposal is accepted, that he/she will execute a Contract with the Owner in the form set forth in the Contract Documents and that he/she will accept in full payment thereof the following prices to wit:



**SCHEDULE OF WORK ITEMS**

**PROPOSAL FOR:**

**FOR THE CONSTRUCTION OF REGIONAL TREATMENT PLANT AERATION UPGRADES PROJECT**

BID ITEM A: For the construction of improvements associated with the various construction related items identified on the plans titled REGIONAL TREATMENT PLANT AERATION UPGRADES and described in these Contract Documents the lump sum for each item described below:

BID ITEM A1: Mobilization and demobilization for activities needed to construct the RTP Aeration Upgrades for the lump sum of

(\$ 75,308 )

BID ITEM A2: Demolition of existing aeration basin diffusers and related equipment as shown on Drawings D-1 to D-3, for the lump sum of

(\$ 124,186 )

BID ITEM A3: Installation of air diffusers in each of the six aeration basins as shown on Drawings M-1 to M-4, for the lump sum of

(\$ 1,253,030 )

BID ITEM A4: Installation of aeration basin piping and valves as shown on Drawings M-1 to M-3, for the lump sum of

(\$ 254,770 )

BID ITEM A5: Any other items necessary to complete the work that are not described in Bid Items A1 through A4, for the lump sum of

(\$ 39,900 )

ITEM A LUMP PRICE (the sum of Items A1 through A5):

(\$ 1,747,194 )

ADD/DEDUCT – List Bid Items Affected and Amount\*:

Item No.	Add (+) Amount	Deduct (-) Amount
<u>N/A</u>	\$ <u>ϕ</u>	\$ <u>ϕ</u>
<u>          </u>	\$ <u>          </u>	\$ <u>          </u>
<u>          </u>	\$ <u>          </u>	\$ <u>          </u>
<u>          </u>	\$ <u>          </u>	\$ <u>          </u>
<u>          </u>	\$ <u>          </u>	\$ <u>          </u>

SUBTOTAL ADD (+)/DEDUCT(-) ITEMS:

(\$ ϕ )

\*Provision is made here for the bidder to include an addition or deduction in their Bid, if bidder wishes, to reflect any last-minute adjustments in price. The addition or deduction, if made, will be applied to the listed bid item.

**TOTAL CONTRACT PRICE (Sum of Subtotal Lump Sum Price and Subtotal Add/Deduct Items):**


(\$ 1,747,194 )

**Total amount of bid (written in words):**

one million seven hundred forty seven thousand dollars  
one hundred ninety-four

**Award of contract will be made to the lowest responsive, responsible bidder on the basis of the TOTAL CONTRACT PRICE.**

**Award of contract is based on the Total Contract Price noted above and is not impacted by the proposed cost of any additive bid item. Owner retains the right to include any additive bid item value in the overall project at the time of contract award.**

Signature of Bidder:  DAVID J. FIESS

Date: 2/01/2021

A. LIST OF SUBCONTRACTORS

The name, California Contractor's license number, registration number issued pursuant to Labor Code Section 1725.5, and location of place of business of each subcontractor who will perform work or labor or render service to the Bidder in or about the construction of the work or improvements in an amount in excess of one-half of one percent (.5%) of the Bidder's Total Contract Price, and the portion of the Work which will be done by each subcontractor is set forth as follows (attach additional sheets as necessary). Circumvention by the Bidder of the requirement to list subcontractors by the device of listing one subcontractor who will in turn sublet portions constituting the majority of the Work covered by this Contract shall be considered a violation of Chapter 4 of the California Public Contract Code and shall subject the Bidder to the penalties set forth in Sections 4110 and 4111 of said Code. Bidder shall conduct substitutions of subcontractors in compliance with Public Contract Code Sections 4106 et seq. detailing the process and conditions under which a public agency may consent to a subcontractor substitution. Except as hereinabove provided, bidder acknowledges and agrees that bidder will perform all required Work in accordance with Section 4106 of the Public Contract Code.

<u>Contractor's Name</u>	<u>Contractor's License &amp; Registration Number</u>	<u>Place of Business</u>	<u>Type of Work</u>
N/A	N/A	N/A	N/A

B. LIST OF EQUIPMENT MANUFACTURERS

The undersigned Bidder understands and agrees that SOCWA will consider this Bid incomplete and unresponsive unless the Bidder names an approved manufacturer for each item in the following list. Manufacturers not explicitly named in the equipment specification will not be considered equal until approved by the Engineer. Any manufacturer or supplier listed in the Contract may be substituted, changed, or omitted by the successful Bidder, subject to the approval of SOCWA, without subjecting SOCWA to any liability for the substitution, change or omission or in accordance with

such provision of the Contract Documents pertaining to substitutions and equals. Award of Contract under this Bid will not imply approval by SOCWA of a manufacturer or supplier listed by the Bidder. However, if a manufacturer or supplier is acceptable to SOCWA, the successful Bidder shall furnish the items from the manufacturer or supplier indicated. The manufacturers named below produce the listed items of equipment which comply with the requirements of the Contract Documents, and the undersigned Bidder will furnish and install complying equipment of the manufacturers named in the following lists.

The listing of any manufacturer or supplier in the Contract Documents does not, and is not intended to, grant any right, title, or interest in the Contract for the benefit of the named manufacturer or supplier.

Not more than one manufacturer shall be named for each item of equipment. Lead time for delivery, from date of signing Contract, shall be as follows:

SCHEDULE OF MANUFACTURERS

Bid Item	Item Description	Manufacturer	Calendar Days
A3	Aeration Diffusers	EDI	140
A4	Butterfly Valves	Dezurik	120

C. COMPANY DATA

Legal name of Bidder: J.R. FILANC CONSTRUCTION CO., INC.

Primary Contact: DAVID KRIESS

Business address: 740 N. ANDREASEN DR.

ESCONDIDO, CA. 92029

Telephone: 760-941-7130

Facsimile: 760-941-3969

Email:

DKIESS @ FILANC.COM

California Contractor's License:

Primary Class: "A" GENERAL ENGINEERING CONTRACTOR

License No.: # 134877

Expiration Date: 9/30/2021

Supplemental Classification held, if any: B, CID

The full names of all persons and parties interested in the foregoing Bid Form as principals are as follows (NOTICE: Give first and last names in full; in case of corporation, give names of President, Secretary, Treasurer, and Manager, and in case of partnerships and joint ventures, give names of all the individual members, attached additional sheets as necessary):

MARK FILANC - CEO

OMAR KODEA - PRESIDENT

LINDA STANGEL - SECRETARY, TREASURER

DAVID KIESS - VICE PRESIDENT

**D. PROPOSED CONSTRUCTION PROJECT SCHEDULE**

Bidder has attached hereto a proposed construction progress schedule showing the sequence of activities for completion of the Work, in bar chart format. The proposed construction progress schedule includes major construction activities, major equipment procurement and delivery activities, working time limits imposed by permits, and substantial and final completion milestones, and identifies critical path tasks. The schedule is displayed in elapsed numerical days rather than calendar dates and equals the Contract Time.

**E. CLOSING STATEMENT & CERTIFICATIONS**

The undersigned Bidder further certifies as follows:

The Total Bid Price requests sufficient funds to allow Contractor to comply with all applicable laws or regulations governing the labor or services to be provided under the Contract. Furthermore, Bidder hereby agrees to indemnify SOCWA for liabilities and penalties for violations of Labor Code section 2810.

The cost for all labor, materials, equipment, taxes, freight, insurance and incidentals necessary for the Work is included in the Total Bid Price, including but not limited to sheeting, shoring, and bracing, or equivalent method for the

protection of life and limb in trenches and open excavation in conformance with applicable safety orders.

The Bidder is, at the time of bidding, and shall be, throughout the period of the Contract, licensed by the State of California to do the type of Work required under the terms of the Contract Documents. Bidder further certifies that Bidder is skilled and regularly engaged in the general class and type of Work called for in the Contract Documents.

Bidder is not an ineligible contractor for the purposes of California Labor Code Section 1777.1 or 1777.7, and no subcontractor to be used for the performance of the Work is an ineligible contractor for the purposes of Labor Code Section 1777.1 or 1777.7.

Bidder is competent, knowledgeable and has special skills regarding the nature, extent and inherent conditions of the Work to be performed. Bidder further acknowledges that there are certain peculiar and inherent conditions existent in the construction of the Work which may create, during the construction program, unusual or peculiar unsafe conditions hazardous to persons and property. Bidder expressly acknowledges that Bidder is aware of such peculiar risks and that Bidder has the skill and experience to foresee and to adopt protective measures to adequately and safely perform the construction Work with respect to such hazards.

Bidder acknowledges receipt of the following Addenda: NONE

Bidder has attached hereto Bid security, in the form of a bond, cashier's check, or certified check, in an amount which is equal to (at least) ten percent (10%) of the total amount of the Bid, payable in lawful money of the United States to the SOUTH ORANGE COUNTY WASTEWATER AUTHORITY.

Bidder is aware of the provisions of Section 3700 of the Labor Code, which requires every employer to be insured against liability for worker's compensation or undertake self-insurance in accordance with the provisions of that code, and will comply with such provisions before commencing the performance of the Work.

Bidder has inspected the site of the Work prior to submitting this Bid.

**By signing below, the undersigned certifies that he/she has the legal authority to bind the Bidder and that all representations, certifications, and statements made by Bidder, as set forth in this Bid, are true and correct and are made under penalty of perjury.**


Signature: 

Clearly printed name: EMMA ROSEA

Position: PRESIDENT

Date/Location: FEBRUARY 01, 2021, at ESCONDIHO, CA.

Seal (if any):

Co-Signature: 

Clearly printed name: DAVID J. KIESS

Position: ASST. SECRETARY, VICE PRES.

Date/Location: FEBRUARY 01, 2021, at ESCONDIHO, CA.

*NOTICE: Pursuant to the requirements of California Business and Professions Code, Section 7028.15(e), a bid submitted to the SOCWA by a contractor who is not licensed pursuant to Chapter 9, of Division 3, of the Business and Professions Code, shall be considered nonresponsive and shall be rejected as provided for by law.*

**NONCOLLUSION AFFIDAVIT**

*To Be Executed By Bidder And Submitted With Bid  
(Public Contract Code § 7106)*

The undersigned declares:

I am the VICE PRESIDENT of J.R. FILANC CONSTRUCTION, the party making the foregoing bid.

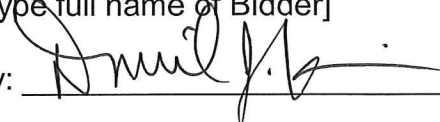
The bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The bid is genuine and not collusive or sham. The bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid. The bidder has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or to refrain from bidding. The bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder. All statements contained in the bid are true. The bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof, to effectuate a collusive or sham bid, and has not paid, and will not pay, any person or entity for such purpose.

Any person executing this declaration on behalf of a bidder that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the bidder.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on 2/01/2021 [date], at ESCONDIDO [city], CA. [state].

BIDDER:

J.R. FILANC CONSTRUCTION CO., INC.  
[Type full name of Bidder]

By: 

DAVID J. KIESS, VICE PRESIDENT  
[Print name and title]

*(At Least 10 Percent of the Total Contract Price)*

We \_\_\_\_\_, as Principal,

and \_\_\_\_\_, as Surety,



**BID FORM**

**PROPOSAL TO**

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY**

**FOR THE CONSTRUCTION OF REGIONAL TREATMENT PLANT AERATION  
UPGRADES PROJECT**

Name of Bidder: Pascal & Ludwig Constructors

Business Address: 2049 E. Francis Street, Ontario, CA 97161

Phone No. 909.947.4631

**TO THE BOARD OF DIRECTORS OF THE  
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY (OWNER)**

Pursuant to, and in compliance with, your Notice Inviting Sealed Proposals (Bids) and the other documents relating thereto, the undersigned bidder, being fully familiar with the terms of the Contract Documents, local conditions affecting the performance of the Contract, the character, quality, quantities, and scope of the Work, and the cost of the Work at the place where the Work is to be done, hereby proposes and agrees to perform within the time stipulated in the Contract, including all of its component parts and everything required to be performed, and to furnish any and all of the labor, materials, tools, equipment, transportation, services, permits, utilities, and all other items necessary to perform the Contract and complete, in a workmanlike manner, all of the Work required in connection with the construction of said Work all in strict conformity with the plans and specifications and other Contract Documents, including Addenda Nos. \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_, for the prices hereinafter set forth.

The undersigned, as bidder, declares that the only persons or parties interested in this proposal as principals are those named herein and that this proposal is made without collusion with any person, firm, or corporation as set forth in more detail in the Non Collision Affidavit executed herewith. Further, he/she proposes and agrees, if the proposal is accepted, that he/she will execute a Contract with the Owner in the form set forth in the Contract Documents and that he/she will accept in full payment thereof the following prices to wit:

**SCHEDULE OF WORK ITEMS**

**PROPOSAL FOR:**

**FOR THE CONSTRUCTION OF REGIONAL TREATMENT PLANT AERATION UPGRADES PROJECT**

BID ITEM A: For the construction of improvements associated with the various construction related items identified on the plans titled REGIONAL TREATMENT PLANT AERATION UPGRADES and described in these Contract Documents the lump sum for each item described below:

BID ITEM A1: Mobilization and demobilization for activities needed to construct the RTP Aeration Upgrades for the lump sum of

( \$ 85,000 )

BID ITEM A2: Demolition of existing aeration basin diffusers and related equipment as shown on Drawings D-1 to D-3, for the lump sum of

( \$ 388,000 )

BID ITEM A3: Installation of air diffusers in each of the six aeration basins as shown on Drawings M-1 to M-4, for the lump sum of

( \$ 1,435,000 )

BID ITEM A4: Installation of aeration basin piping and valves as shown on Drawings M-1 to M-3, for the lump sum of

( \$ 264,000 )

BID ITEM A5: Any other items necessary to complete the work that are not described in Bid Items A1 through A4, for the lump sum of

( \$ 34,000 )

ITEM A LUMP PRICE (the sum of Items A1 through A5):

( \$ 2,206,000 )

**ADD/DEDUCT – List Bid Items Affected and Amount\*:**

<b>Item No.</b>	<b>Add (+) Amount</b>	<b>Deduct (-) Amount</b>
_____	\$ _____	\$ _____
_____	\$ _____	\$ _____
_____	\$ _____	\$ _____
_____	\$ _____	\$ _____
_____	\$ _____	\$ _____

**SUBTOTAL ADD (+)/DEDUCT(-) ITEMS:**

(\$ \_\_\_\_\_<sup>0</sup>\_\_\_\_\_ )

\*Provision is made here for the bidder to include an addition or deduction in their Bid, if bidder wishes, to reflect any last-minute adjustments in price. The addition or deduction, if made, will be applied to the listed bid item.

**TOTAL CONTRACT PRICE (Sum of Subtotal Lump Sum Price and Subtotal Add/Deduct Items):**

(\$ \_\_\_\_\_<sup>2, 206,000</sup>\_\_\_\_\_ )

**Total amount of bid (written in words):**

\_\_\_\_\_ Two Million Two Hundred Six Thousand \_\_\_\_\_ **dollars**

**Award of contract will be made to the lowest responsive, responsible bidder on the basis of the TOTAL CONTRACT PRICE.**

**Award of contract is based on the Total Contract Price noted above and is not impacted by the proposed cost of any additive bid item. Owner retains the right to include any additive bid item value in the overall project at the time of contract award.**



such provision of the Contract Documents pertaining to substitutions and equals. Award of Contract under this Bid will not imply approval by SOCWA of a manufacturer or supplier listed by the Bidder. However, if a manufacturer or supplier is acceptable to SOCWA, the successful Bidder shall furnish the items from the manufacturer or supplier indicated. The manufacturers named below produce the listed items of equipment which comply with the requirements of the Contract Documents, and the undersigned Bidder will furnish and install complying equipment of the manufacturers named in the following lists.

The listing of any manufacturer or supplier in the Contract Documents does not, and is not intended to, grant any right, title, or interest in the Contract for the benefit of the named manufacturer or supplier.

Not more than one manufacturer shall be named for each item of equipment. Lead time for delivery, from date of signing Contract, shall be as follows:

**SCHEDULE OF MANUFACTURERS**

<u>Bid Item</u>	<u>Item Description</u>	<u>Manufacturer</u>	<u>Calendar Days</u>
A3	Aeration Equipment	EDI	147
A4	Butterfly Valves	DeZurik	98

**C. COMPANY DATA**

Legal name of Bidder: Pascal & Ludwig Constructors

Primary Contact: Rob Temple

Business address: 2049 E. Francis Street, Ontario, CA 91761

Telephone: 909.947.4631

Facsimile: 909.947.4722

Email: rtemple@pascalludwig.com

California Contractor's License:

Primary Class: A

License No.: 373525

Expiration Date: 4/30/21

Supplemental Classification held, if any: B, HazMat

The full names of all persons and parties interested in the foregoing Bid Form as principals are as follows (*NOTICE: Give first and last names in full; in case of corporation, give names of President, Secretary, Treasurer, and Manager, and in case of partnerships and joint ventures, give names of all the individual members, attached additional sheets as necessary*):

Alan Ludwig, Chairman

Rob Temple, President

Sybil Zambardi, Secretary

Patricia Arvidson, Treasurer

**D. PROPOSED CONSTRUCTION PROJECT SCHEDULE**

Bidder has attached hereto a proposed construction progress schedule showing the sequence of activities for completion of the Work, in bar chart format. The proposed construction progress schedule includes major construction activities, major equipment procurement and delivery activities, working time limits imposed by permits, and substantial and final completion milestones, and identifies critical path tasks. The schedule is displayed in elapsed numerical days rather than calendar dates and equals the Contract Time.

**E. CLOSING STATEMENT & CERTIFICATIONS**

The undersigned Bidder further certifies as follows:

The Total Bid Price requests sufficient funds to allow Contractor to comply with all applicable laws or regulations governing the labor or services to be provided under the Contract. Furthermore, Bidder hereby agrees to indemnify SOCWA for liabilities and penalties for violations of Labor Code section 2810.

The cost for all labor, materials, equipment, taxes, freight, insurance and incidentals necessary for the Work is included in the Total Bid Price, including but not limited to sheeting, shoring, and bracing, or equivalent method for the

protection of life and limb in trenches and open excavation in conformance with applicable safety orders.

The Bidder is, at the time of bidding, and shall be, throughout the period of the Contract, licensed by the State of California to do the type of Work required under the terms of the Contract Documents. Bidder further certifies that Bidder is skilled and regularly engaged in the general class and type of Work called for in the Contract Documents.

Bidder is not an ineligible contractor for the purposes of California Labor Code Section 1777.1 or 1777.7, and no subcontractor to be used for the performance of the Work is an ineligible contractor for the purposes of Labor Code Section 1777.1 or 1777.7.

Bidder is competent, knowledgeable and has special skills regarding the nature, extent and inherent conditions of the Work to be performed. Bidder further acknowledges that there are certain peculiar and inherent conditions existent in the construction of the Work which may create, during the construction program, unusual or peculiar unsafe conditions hazardous to persons and property. Bidder expressly acknowledges that Bidder is aware of such peculiar risks and that Bidder has the skill and experience to foresee and to adopt protective measures to adequately and safely perform the construction Work with respect to such hazards.

Bidder acknowledges receipt of the following Addenda: \_\_\_\_\_  
\_\_\_\_\_.

Bidder has attached hereto Bid security, in the form of a bond, cashier's check, or certified check, in an amount which is equal to (at least) ten percent (10%) of the total amount of the Bid, payable in lawful money of the United States to the SOUTH ORANGE COUNTY WASTEWATER AUTHORITY.

Bidder is aware of the provisions of Section 3700 of the Labor Code, which requires every employer to be insured against liability for worker's compensation or undertake self-insurance in accordance with the provisions of that code, and will comply with such provisions before commencing the performance of the Work.

Bidder has inspected the site of the Work prior to submitting this Bid.

**By signing below, the undersigned certifies that he/she has the legal authority to bind the Bidder and that all representations, certifications, and statements made by Bidder, as set forth in this Bid, are true and correct and are made under penalty of perjury.**

Signature:  \_\_\_\_\_

Clearly printed name: Rob Temple

**BID FORM**  
**PROPOSAL TO**

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY**  
**FOR THE CONSTRUCTION OF REGIONAL TREATMENT PLANT AERATION  
UPGRADES PROJECT**

Name of Bidder: SS Mechanical Construction Corp.

Business Address: 26561 Jacinto Drive Mission Viejo, CA 92692

Phone No. 714-847-1317

TO THE BOARD OF DIRECTORS OF THE  
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY (OWNER)

Pursuant to, and in compliance with, your Notice Inviting Sealed Proposals (Bids) and the other documents relating thereto, the undersigned bidder, being fully familiar with the terms of the Contract Documents, local conditions affecting the performance of the Contract, the character, quality, quantities, and scope of the Work, and the cost of the Work at the place where the Work is to be done, hereby proposes and agrees to perform within the time stipulated in the Contract, including all of its component parts and everything required to be performed, and to furnish any and all of the labor, materials, tools, equipment, transportation, services, permits, utilities, and all other items necessary to perform the Contract and complete, in a workmanlike manner, all of the Work required in connection with the construction of said Work all in strict conformity with the plans and specifications and other Contract Documents, including Addenda Nos. \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_, for the prices hereinafter set forth.

The undersigned, as bidder, declares that the only persons or parties interested in this proposal as principals are those named herein and that this proposal is made without collusion with any person, firm, or corporation as set forth in more detail in the Non Collision Affidavit executed herewith. Further, he/she proposes and agrees, if the proposal is accepted, that he/she will execute a Contract with the Owner in the form set forth in the Contract Documents and that he/she will accept in full payment thereof the following prices to wit:



**SCHEDULE OF WORK ITEMS**

**PROPOSAL FOR:**

**FOR THE CONSTRUCTION OF REGIONAL TREATMENT PLANT AERATION UPGRADES PROJECT**

BID ITEM A: For the construction of improvements associated with the various construction related items identified on the plans titled REGIONAL TREATMENT PLANT AERATION UPGRADES and described in these Contract Documents the lump sum for each item described below:

BID ITEM A1: Mobilization and demobilization for activities needed to construct the RTP Aeration Upgrades for the lump sum of

(\$ 50,000.00 )

BID ITEM A2: Demolition of existing aeration basin diffusers and related equipment as shown on Drawings D-1 to D-3, for the lump sum of

(\$ 107,995.00 )

BID ITEM A3: Installation of air diffusers in each of the six aeration basins as shown on Drawings M-1 to M-4, for the lump sum of

(\$ 1,395,805.00 )

BID ITEM A4: Installation of aeration basin piping and valves as shown on Drawings M-1 to M-3, for the lump sum of

(\$ 214,270.00 )

BID ITEM A5: Any other items necessary to complete the work that are not described in Bid Items A1 through A4, for the lump sum of

(\$ 0.00 )

ITEM A LUMP PRICE (the sum of Items A1 through A5):

(\$ 1,768,070.00 )

**ADD/DEDUCT – List Bid Items Affected and Amount\*:**

<b>Item No.</b>	<b>Add (+) Amount</b>	<b>Deduct (-) Amount</b>
_____	\$ _____	\$ _____
_____	\$ _____	\$ _____
_____	\$ _____	\$ _____
_____	\$ _____	\$ _____
_____	\$ _____	\$ _____

**SUBTOTAL ADD (+)/DEDUCT(-) ITEMS:**

(\$ 0.00 )

\*Provision is made here for the bidder to include an addition or deduction in their Bid, if bidder wishes, to reflect any last-minute adjustments in price. The addition or deduction, if made, will be applied to the listed bid item.

**TOTAL CONTRACT PRICE (Sum of Subtotal Lump Sum Price and Subtotal Add/Deduct Items):**

(\$ 1,768,070.00 )

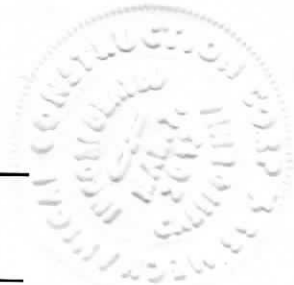
**Total amount of bid (written in words):**

One Million Seven Hundred Sixty-Eight Thousand Seventy and 00/100 dollars

**Award of contract will be made to the lowest responsive, responsible bidder on the basis of the TOTAL CONTRACT PRICE.**

**Award of contract is based on the Total Contract Price noted above and is not impacted by the proposed cost of any additive bid item. Owner retains the right to include any additive bid item value in the overall project at the time of contract award.**

Signature of Bidder:  John Whelan, President



Date: February 3, 2021

A. LIST OF SUBCONTRACTORS

The name, California Contractor's license number, registration number issued pursuant to Labor Code Section 1725.5, and location of place of business of each subcontractor who will perform work or labor or render service to the Bidder in or about the construction of the work or improvements in an amount in excess of one-half of one percent (.5%) of the Bidder's Total Contract Price, and the portion of the Work which will be done by each subcontractor is set forth as follows (attach additional sheets as necessary). Circumvention by the Bidder of the requirement to list subcontractors by the device of listing one subcontractor who will in turn sublet portions constituting the majority of the Work covered by this Contract shall be considered a violation of Chapter 4 of the California Public Contract Code and shall subject the Bidder to the penalties set forth in Sections 4110 and 4111 of said Code. Bidder shall conduct substitutions of subcontractors in compliance with Public Contract Code Sections 4106 et seq. detailing the process and conditions under which a public agency may consent to a subcontractor substitution. Except as hereinabove provided, bidder acknowledges and agrees that bidder will perform all required Work in accordance with Section 4106 of the Public Contract Code.

<u>Contractor's Name</u>	<u>Contractor's License &amp; Registration Number</u>	<u>Place of Business</u>	<u>Type of Work</u>

B. LIST OF EQUIPMENT MANUFACTURERS

The undersigned Bidder understands and agrees that SOCWA will consider this Bid incomplete and unresponsive unless the Bidder names an approved manufacturer for each item in the following list. Manufacturers not explicitly named in the equipment specification will not be considered equal until approved by the Engineer. Any manufacturer or supplier listed in the Contract may be substituted, changed, or omitted by the successful Bidder, subject to the approval of SOCWA, without subjecting SOCWA to any liability for the substitution, change or omission or in accordance with

such provision of the Contract Documents pertaining to substitutions and equals. Award of Contract under this Bid will not imply approval by SOCWA of a manufacturer or supplier listed by the Bidder. However, if a manufacturer or supplier is acceptable to SOCWA, the successful Bidder shall furnish the items from the manufacturer or supplier indicated. The manufacturers named below produce the listed items of equipment which comply with the requirements of the Contract Documents, and the undersigned Bidder will furnish and install complying equipment of the manufacturers named in the following lists.

The listing of any manufacturer or supplier in the Contract Documents does not, and is not intended to, grant any right, title, or interest in the Contract for the benefit of the named manufacturer or supplier.

Not more than one manufacturer shall be named for each item of equipment. Lead time for delivery, from date of signing Contract, shall be as follows:

SCHEDULE OF MANUFACTURERS

<u>Bid Item</u>	<u>Item Description</u>	<u>Manufacturer</u>	<u>Calendar Days</u>
3	Aeration Equipment	EDI	147

C. COMPANY DATA

Legal name of Bidder: SS Mechanical Construction Corp.

Primary Contact: John Whelan, President

Business address: SS Mechanical Construction Corp.

26561 Jacinto Drive

Mission Viejo, CA 92692

Telephone: 714-847-1317

Facsimile: N/A

Email:

john@ssmechanical.com

California Contractor's License:

Primary Class:

A

License No.:

1027264

Expiration Date:

May 31, 2021

Supplemental Classification held, if any: HAZ

The full names of all persons and parties interested in the foregoing Bid Form as principals are as follows (*NOTICE: Give first and last names in full; in case of corporation, give names of President, Secretary, Treasurer, and Manager, and in case of partnerships and joint ventures, give names of all the individual members, attached additional sheets as necessary*):

SS Mechanical Construction Corp.

John Whelan - President

Chris Powers - Secretary

Javier Lopez - Treasurer

D. PROPOSED CONSTRUCTION PROJECT SCHEDULE

Bidder has attached hereto a proposed construction progress schedule showing the sequence of activities for completion of the Work, in bar chart format. The proposed construction progress schedule includes major construction activities, major equipment procurement and delivery activities, working time limits imposed by permits, and substantial and final completion milestones, and identifies critical path tasks. The schedule is displayed in elapsed numerical days rather than calendar dates and equals the Contract Time.

E. CLOSING STATEMENT & CERTIFICATIONS

The undersigned Bidder further certifies as follows:

The Total Bid Price requests sufficient funds to allow Contractor to comply with all applicable laws or regulations governing the labor or services to be provided under the Contract. Furthermore, Bidder hereby agrees to indemnify SOCWA for liabilities and penalties for violations of Labor Code section 2810.

The cost for all labor, materials, equipment, taxes, freight, insurance and incidentals necessary for the Work is included in the Total Bid Price, including but not limited to sheeting, shoring, and bracing, or equivalent method for the

protection of life and limb in trenches and open excavation in conformance with applicable safety orders.

The Bidder is, at the time of bidding, and shall be, throughout the period of the Contract, licensed by the State of California to do the type of Work required under the terms of the Contract Documents. Bidder further certifies that Bidder is skilled and regularly engaged in the general class and type of Work called for in the Contract Documents.

Bidder is not an ineligible contractor for the purposes of California Labor Code Section 1777.1 or 1777.7, and no subcontractor to be used for the performance of the Work is an ineligible contractor for the purposes of Labor Code Section 1777.1 or 1777.7.

Bidder is competent, knowledgeable and has special skills regarding the nature, extent and inherent conditions of the Work to be performed. Bidder further acknowledges that there are certain peculiar and inherent conditions existent in the construction of the Work which may create, during the construction program, unusual or peculiar unsafe conditions hazardous to persons and property. Bidder expressly acknowledges that Bidder is aware of such peculiar risks and that Bidder has the skill and experience to foresee and to adopt protective measures to adequately and safely perform the construction Work with respect to such hazards.

Bidder acknowledges receipt of the following Addenda: \_\_\_\_\_

Bidder has attached hereto Bid security, in the form of a bond, cashier's check, or certified check, in an amount which is equal to (at least) ten percent (10%) of the total amount of the Bid, payable in lawful money of the United States to the SOUTH ORANGE COUNTY WASTEWATER AUTHORITY.

Bidder is aware of the provisions of Section 3700 of the Labor Code, which requires every employer to be insured against liability for worker's compensation or undertake self-insurance in accordance with the provisions of that code, and will comply with such provisions before commencing the performance of the Work.

Bidder has inspected the site of the Work prior to submitting this Bid.

**By signing below, the undersigned certifies that he/she has the legal authority to bind the Bidder and that all representations, certifications, and statements made by Bidder, as set forth in this Bid, are true and correct and are made under penalty of perjury.**

Signature:

  
\_\_\_\_\_

Clearly printed name:

John Whelan  
\_\_\_\_\_



# SOCWA Proposed CIP Budget

February 11, 2021

*Revised* Agenda Item No. 8

# Current Fiscal Year Update

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- Q1 & Q2 Spending (not including small capital)
  - \$9MM
- On track to spend ~\$19MM for FY 20/21
- \$28.4MM originally budget (not including small capital)
- >65% of CIP budget expected to be expended
- Major Projects pushed into the FY21/22 Totaling about \$5MM
  - PC 15 Export Sludge delayed pushing most of spending to FY 21/22
  - PC 15 Aeration Design?
  - PC 17 Lighting Upgrades
  - PC 17 MCC A, C, G, & H Construction
  - PC 21 Air Valves
  - PC 24 Techite ETM Replacement Design



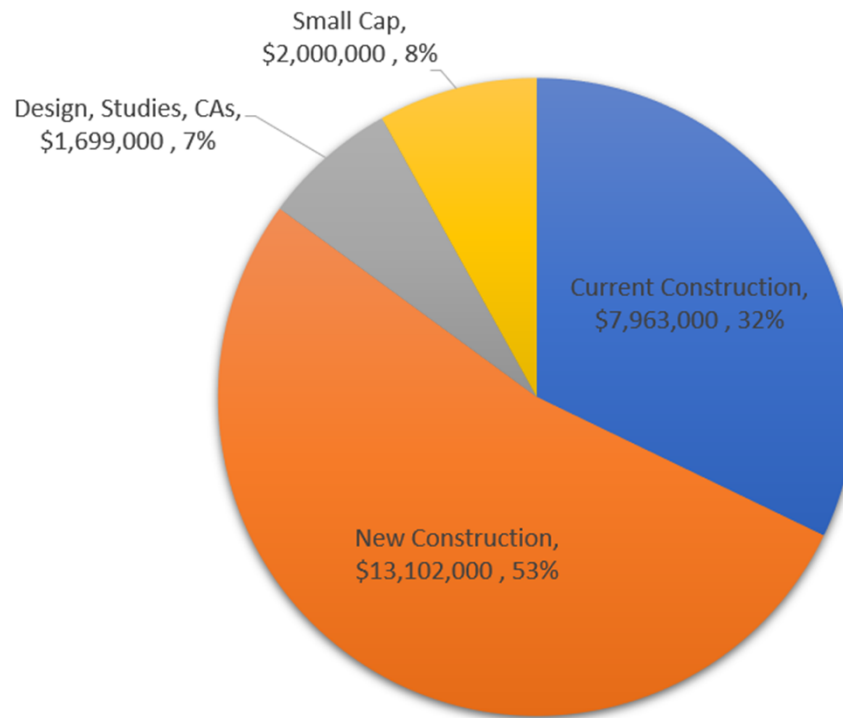
# Fiscal Year 21/22

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- Current large construction projects (PC 2 Package B & PC 15 Facility Improvements)
  - Some billing of budget from the current FY expected to be pushed into FY 21/22
  - Some items being de-scoped which will reduce overall billings
- Some FY 20/21 Non Capital Projects duplicated into FY 21/22
- Several designs and condition assessments underway that may adjust values in this budget in the coming months
- Broken down into priority (budgeted) projects and contingency (non-budgeted projects)

# FY 2022 Proposed Budget by Spending Type

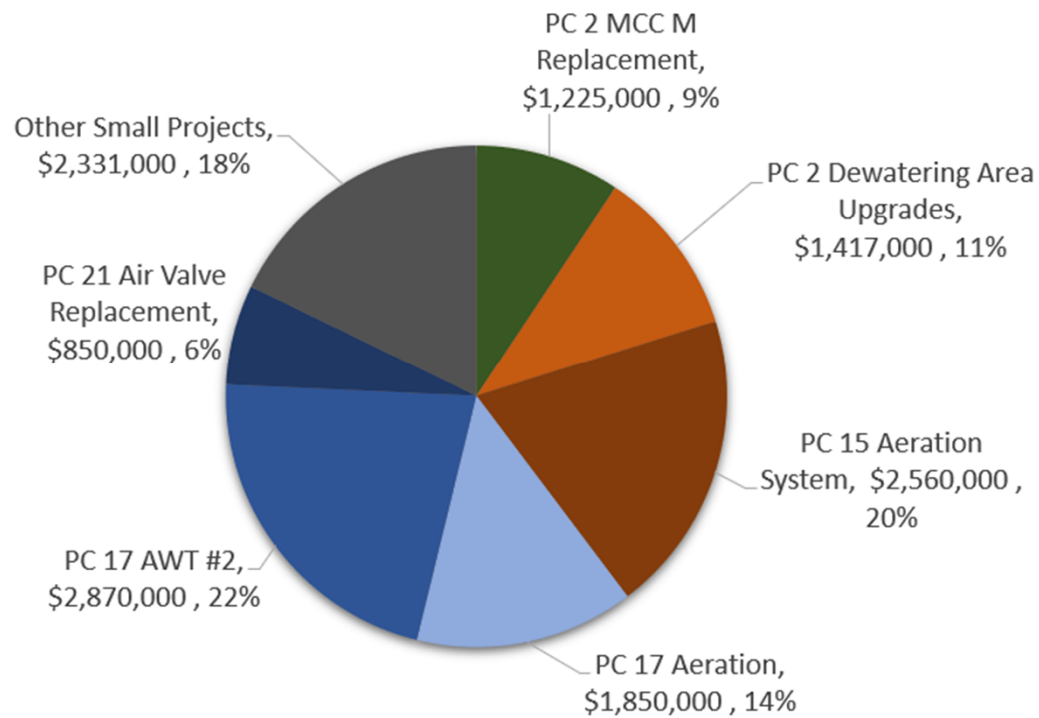
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\$22,765,000 +  
\$ 2,000,000 Small Capital  
=====  
\$24,765,000

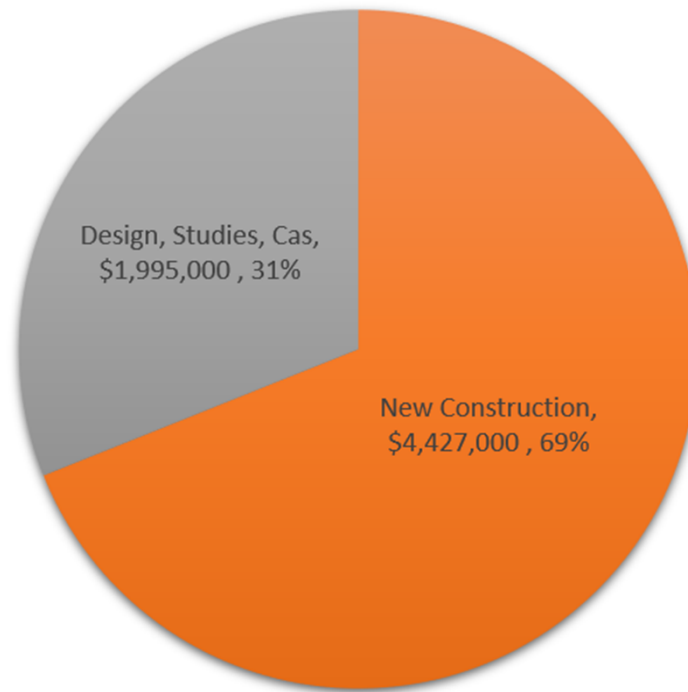
# FY 2022 Proposed New Construction Projects

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# FY 2022 Contingency Budget

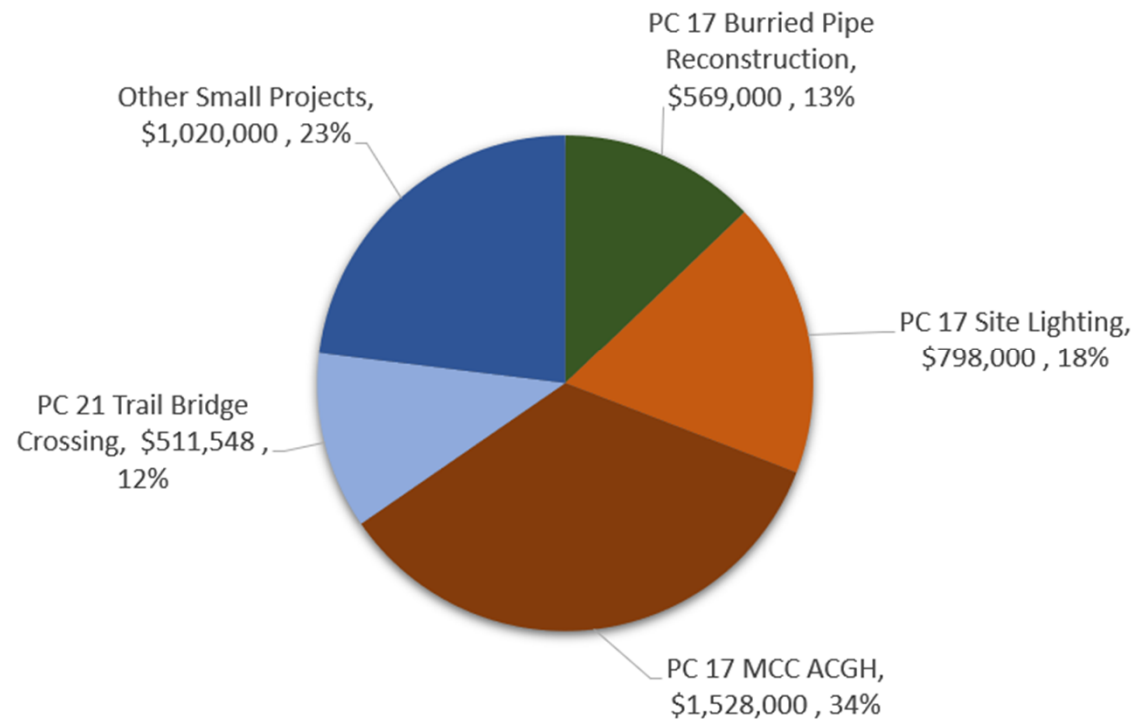
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Total  
\$6,422,000

# FY 2022 Contingency Projects

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**Table 1-1 - City of Laguna Beach Proposed FY22 & FY23 Capital Improvement Budget**

Area		Project Number	Project Name	FY 2021/22 Proposed Budget	FY 2022/23 Proposed Budget
PC 15	Liquids	35222L	Aeration Upgrade	\$ 971,000	\$ 2,062,000
		35233L	Vehicle Storage Building Mezzanine Upgrades	\$ -	\$ 32,000
		35235L	Fiber Installation to Alicia Parkway	\$ 25,000	\$ -
		3539-000	Facility Construction Improvements - Part II (2020)	\$ 638,000	\$ -
		3541-000	Export Sludge System Construction (2020)	\$ 1,495,000	\$ 264,000
		3543-000	Export Sludge Pipeline Replacement at RTP (2021)	\$ 180,000	\$ -
		45212L	Site Storage Evaluation	\$ 19,000	\$ -
		45221L	Foul Air System Condition Assessment	\$ 29,000	\$ -
		45222L	Headworks Condition Assessment	\$ 47,000	\$ -
		45223L	Drainage Pump Station Condition Assessment	\$ 66,000	\$ -
		45226L	Consequence of Failure Analysis	\$ 19,000	\$ -
		55221L	DHS Facility Compliance Review	\$ 7,000	\$ 7,000
		55222L	NFPA 70 Classification Mapping	\$ 11,000	\$ -
		<b>Liquids Total</b>			
<b>PC 15 Total</b>				<b>\$ 3,507,000</b>	<b>\$ 2,365,000</b>
PC 17	Common	37224C	SCADA System Upgrade Project	\$ 24,000	\$ -
		37229C	Energy Building Updates	\$ 19,000	\$ 10,000
		37234C	Electrical Box Reconstruction	\$ -	\$ 84,000
		37235C	Instrumentation Plan	\$ -	\$ 6,000
		47212C	Site Storage Evaluation	\$ 5,000	\$ -
		47223C	Energy Building Condition Assessment	\$ 9,000	\$ -
		47224C	Consequence of Failure Analysis	\$ 3,000	\$ -
		57221C	NFPA 70 Classification Mapping	\$ 2,000	\$ -
		57222C	DHS Facility Compliance Review	\$ 1,000	\$ 1,000
		57223C	Arc Flash 5-Year Update	\$ 1,000	\$ -
		<b>Common Total</b>			
PC 17	Solids	3771-000	Miscellaneous Safety Improvements - Solids (2020)	\$ 7,000	\$ -
		3773-000	Co-Generation System Modifications (2020)	\$ 33,000	\$ -
		57224S	Cogen SGIP	\$ 1,000	\$ 1,000
<b>Solids Total</b>				<b>\$ 40,000</b>	<b>\$ 1,000</b>
<b>PC 17 Total</b>				<b>\$ 105,000</b>	<b>\$ 103,000</b>
PC 24	N/A	3480-000	Internal Seal Replacement	\$ 19,000	\$ -
		44222O	Golf Course Road Condition Assessmnet	\$ 5,000	\$ -
		<b>N/A Total</b>			
<b>PC 24 Total</b>				<b>\$ 24,000</b>	<b>\$ -</b>
<b>Grand Total</b>				<b>\$ 3,637,000</b>	<b>\$ 2,468,000</b>

**Table 1-2 - City of San Clemente Proposed FY22 & FY23 Capital Improvement Budget**

Area	Project Number	Project Name	Values	
			FY 2021/22 Proposed Budget	FY 2022/23 Proposed Budget

**Grand Total**

**Table 1-3 - City of San Juan Capistrano Proposed FY22 & FY23 Capital Improvement Budget**

				Values	
	Area	Project Number	Project Name	FY 2021/22 Proposed Budget	FY 2022/23 Proposed Budget
PC 02	Common	3229-000	Drainage Pump Station Reconstruction (2021)	\$ 41,000	\$ 14,000
		3231-000	Facility Improvements B - Common Upgrades Construct	\$ 148,000	\$ -
		42217C	Site Storage Evaluation	\$ 19,000	\$ -
		42219C	Electrical Conduit and Cable Master Plan	\$ 19,000	\$ -
		52221C	Arc Flash 5-Year Update	\$ 2,000	\$ -
		52222C	NFPA 70 Classification Mapping	\$ 9,000	\$ -
		52223C	DHS Facility Compliance Review	\$ 5,000	\$ 5,000
		<b>Common Total</b>			<b>\$ 242,000</b>
	Liquids	3220-000	Facility Improvements B - Basin Upgrades Construction	\$ 271,000	\$ -
		32228L	MCC M Replacement	\$ 377,000	\$ 162,000
	<b>Liquids Total</b>			<b>\$ 648,000</b>	<b>\$ 162,000</b>
	Solids	32224S	Dewatering System, Truck Loading Area, and MCC 2 &	\$ 425,000	\$ 425,000
		3234-000	Centrate Piping Reconstruction (2021)	\$ 60,000	\$ -
	<b>Solids Total</b>			<b>\$ 485,000</b>	<b>\$ 425,000</b>
<b>PC 02 Total</b>				<b>\$ 1,375,000</b>	<b>\$ 606,000</b>
<b>Grand Total</b>				<b>\$ 1,375,000</b>	<b>\$ 606,000</b>



**Table 1-4 - Emerald Bay Service District Proposed FY22 & FY23 Capital Improvement Budget**

	Area	Project Number	Project Name	Values		
				FY 2021/22 Proposed Budget	FY 2022/23 Proposed Budget	
PC 15	Liquids	35222L	Aeration Upgrade	\$ 76,000	\$ 162,000	
		35233L	Vehicle Storage Building Mezzanine Upgrades	\$ -	\$ 3,000	
		35235L	Fiber Installation to Alicia Parkway	\$ 2,000	\$ -	
		3539-000	Facility Construction Improvements - Part II (2020)	\$ 50,000	\$ -	
		3541-000	Export Sludge System Construction (2020)	\$ 118,000	\$ 21,000	
		3543-000	Export Sludge Pipeline Replacement at RTP (2021)	\$ 14,000	\$ -	
		45212L	Site Storage Evaluation	\$ 1,000	\$ -	
		45221L	Foul Air System Condition Assessment	\$ 2,000	\$ -	
		45222L	Headworks Condition Assessment	\$ 4,000	\$ -	
		45223L	Drainage Pump Station Condition Assessment	\$ 5,000	\$ -	
		45226L	Consequence of Failure Analysis	\$ 1,000	\$ -	
		55221L	DHS Facility Compliance Review	\$ 1,000	\$ 1,000	
		55222L	NFPA 70 Classification Mapping	\$ 1,000	\$ -	
	<b>Liquids Total</b>			<b>\$ 276,000</b>	<b>\$ 186,000</b>	
<b>PC 15 Total</b>				<b>\$ 276,000</b>	<b>\$ 186,000</b>	
PC 17	Common	37224C	SCADA System Upgrade Project	\$ 1,000	\$ -	
		37229C	Energy Building Updates	\$ 1,000	\$ 1,000	
		37234C	Electrical Box Reconstruction	\$ -	\$ 4,000	
		37235C	Instrumentation Plan	\$ -	\$ 331	
		47212C	Site Storage Evaluation	\$ 268	\$ -	
		47223C	Energy Building Condition Assessment	\$ 495	\$ -	
		47224C	Consequence of Failure Analysis	\$ 165	\$ -	
		57221C	NFPA 70 Classification Mapping	\$ 99	\$ -	
		57222C	DHS Facility Compliance Review	\$ 58	\$ 58	
		57223C	Arc Flash 5-Year Update	\$ 26	\$ -	
		<b>Common Total</b>			<b>\$ 3,000</b>	<b>\$ 5,000</b>
	Solids	3771-000	Miscellaneous Safety Improvements - Solids (2020)	\$ 377	\$ -	
		3773-000	Co-Generation System Modifications (2020)	\$ 2,000	\$ -	
57224S		Cogen SGIP	\$ 35	\$ 35		
	<b>Solids Total</b>			<b>\$ 2,000</b>	<b>\$ 35</b>	
<b>PC 17 Total</b>				<b>\$ 6,000</b>	<b>\$ 5,000</b>	
PC 24	N/A	3480-000	Internal Seal Replacement	\$ 1,000	\$ -	
		44222O	Golf Course Road Condition Assessmnet	\$ 351	\$ -	
		<b>N/A Total</b>			<b>\$ 2,000</b>	<b>\$ -</b>
<b>PC 24 Total</b>				<b>\$ 2,000</b>	<b>\$ -</b>	
<b>Grand Total</b>				<b>\$ 283,000</b>	<b>\$ 192,000</b>	

**Table 1-5 - El Toro Water District Proposed FY22 & FY23 Capital Improvement Budget**

				Values	
	Area	Project Number	Project Name	FY 2021/22 Proposed Budget	FY 2022/23 Proposed Budget
PC 17	Common	37224C	SCADA System Upgrade Project	\$ 40,000	\$ -
		37229C	Energy Building Updates	\$ 32,000	\$ 17,000
		37234C	Electrical Box Reconstruction	\$ -	\$ 138,000
		37235C	Instrumentation Plan	\$ -	\$ 10,000
		47212C	Site Storage Evaluation	\$ 8,000	\$ -
		47223C	Energy Building Condition Assessment	\$ 15,000	\$ -
		47224C	Consequence of Failure Analysis	\$ 5,000	\$ -
		57221C	NFPA 70 Classification Mapping	\$ 3,000	\$ -
		57222C	DHS Facility Compliance Review	\$ 2,000	\$ 2,000
		57223C	Arc Flash 5-Year Update	\$ 1,000	\$ -
	<b>Common Total</b>			<b>\$ 106,000</b>	<b>\$ 167,000</b>
	Solids	3771-000	Miscellaneous Safety Improvements - Solids (2020)	\$ 13,000	\$ -
		3773-000	Co-Generation System Modifications (2020)	\$ 59,000	\$ -
		57224S	Cogen SGIP	\$ 1,000	\$ 1,000
<b>Solids Total</b>			<b>\$ 74,000</b>	<b>\$ 1,000</b>	
<b>PC 17 Total</b>				<b>\$ 180,000</b>	<b>\$ 168,000</b>
PC 21	B/C/D	3107-000	Air Valve Replacement Construction (D) (2021)	\$ 189,000	\$ -
		31211B	Aliso ETM Reach B/C Techite Replacement	\$ 146,000	\$ 1,132,000
	<b>B/C/D Total</b>			<b>\$ 335,000</b>	<b>\$ 1,132,000</b>
	E	3108-000	Air Valve Replacement Construction ( E) (2021)	\$ 110,000	\$ -
<b>E Total</b>			<b>\$ 110,000</b>	<b>\$ -</b>	
<b>PC 21 Total</b>				<b>\$ 445,000</b>	<b>\$ 1,132,000</b>
PC 24	N/A	3480-000	Internal Seal Replacement	\$ 29,000	\$ -
		44222O	Golf Course Road Condition Assessmnet	\$ 7,000	\$ -
	<b>N/A Total</b>			<b>\$ 36,000</b>	<b>\$ -</b>
<b>PC 24 Total</b>				<b>\$ 36,000</b>	<b>\$ -</b>
<b>Grand Total</b>				<b>\$ 660,000</b>	<b>\$ 1,299,000</b>

**Table 1-6 - Irvine Ranch Water District Proposed FY22 & FY23 Capital Improvement Budget**

				Values	
	Area	Project Number	Project Name	FY 2021/22 Proposed Budget	FY 2022/23 Proposed Budget
PC 21	B/C/D	3107-000	Air Valve Replacement Construction (D) (2021)	\$ 189,000	\$ -
		31211B	Aliso ETM Reach B/C Techite Replacement	\$ 146,000	\$ 1,132,000
	<b>B/C/D Total</b>			<b>\$ 335,000</b>	<b>\$ 1,132,000</b>
	E	3108-000	Air Valve Replacement Construction ( E) (2021)	\$ 110,000	\$ -
<b>E Total</b>			<b>\$ 110,000</b>	<b>\$ -</b>	
<b>PC 21 Total</b>				<b>\$ 445,000</b>	<b>\$ 1,132,000</b>
PC 24	N/A	3480-000	Internal Seal Replacement	\$ 28,000	\$ -
		44222O	Golf Course Road Condition Assessmnet	\$ 7,000	\$ -
	<b>N/A Total</b>			<b>\$ 35,000</b>	<b>\$ -</b>
<b>PC 24 Total</b>				<b>\$ 35,000</b>	<b>\$ -</b>
<b>Grand Total</b>				<b>\$ 480,000</b>	<b>\$ 1,132,000</b>

**Table 1-7 - Moulton Niguel Water District Proposed FY22 & FY23 Capital Improvement Budget**

				Values	
	Area	Project Number	Project Name	FY 2021/22 Proposed Budget	FY 2022/23 Proposed Budget
PC 02	Common	3229-000	Drainage Pump Station Reconstruction (2021)	\$ 30,000	\$ 10,000
		3231-000	Facility Improvements B - Common Upgrades Constructi	\$ 109,000	\$ -
		42217C	Site Storage Evaluation	\$ 14,000	\$ -
		42219C	Electrical Conduit and Cable Master Plan	\$ 14,000	\$ -
		52221C	Arc Flash 5-Year Update	\$ 2,000	\$ -
		52222C	NFPA 70 Classification Mapping	\$ 7,000	\$ -
		52223C	DHS Facility Compliance Review	\$ 4,000	\$ 4,000
	<b>Common Total</b>			<b>\$ 178,000</b>	<b>\$ 14,000</b>
	Liquids	3220-000	Facility Improvements B - Basin Upgrades Construction	\$ 203,000	\$ -
		32228L	MCC M Replacement	\$ 283,000	\$ 121,000
	<b>Liquids Total</b>			<b>\$ 486,000</b>	<b>\$ 121,000</b>
	Solids	32224S	Dewatering System, Truck Loading Area, and MCC 2 & 1	\$ 306,000	\$ 306,000
		3234-000	Centrate Piping Reconstruction (2021)	\$ 43,000	\$ -
	<b>Solids Total</b>			<b>\$ 349,000</b>	<b>\$ 306,000</b>
<b>PC 02 Total</b>				<b>\$ 1,013,000</b>	<b>\$ 441,000</b>
PC 15	Liquids	35222L	Aeration Upgrade	\$ 749,000	\$ 1,591,000
		35233L	Vehicle Storage Building Mezzanine Upgrades	\$ -	\$ 25,000
		35235L	Fiber Installation to Alicia Parkway	\$ 19,000	\$ -
		3525-000	Personnel Building Reconstruction	\$ 44,000	\$ -
		3539-000	Facility Construction Improvements - Part II (2020)	\$ 492,000	\$ -
		3541-000	Export Sludge System Construction (2020)	\$ 1,154,000	\$ 204,000
		3543-000	Export Sludge Pipeline Replacement at RTP (2021)	\$ 139,000	\$ -
		45212L	Site Storage Evaluation	\$ 15,000	\$ -
		45221L	Foul Air System Condition Assessment	\$ 22,000	\$ -
		45222L	Headworks Condition Assessment	\$ 37,000	\$ -
		45223L	Drainage Pump Station Condition Assessment	\$ 51,000	\$ -
		45226L	Consequence of Failure Analysis	\$ 15,000	\$ -
		55221L	DHS Facility Compliance Review	\$ 5,000	\$ 5,000
		55222L	NFPA 70 Classification Mapping	\$ 9,000	\$ -
		<b>Liquids Total</b>			<b>\$ 2,750,000</b>
<b>PC 15 Total</b>				<b>\$ 2,750,000</b>	<b>\$ 1,825,000</b>

**Table 1-7 - Moulton Niguel Water District Proposed FY22 & FY23 Capital Improvement Budget**

	Area	Project Number	Project Name	Values	
				FY 2021/22 Proposed Budget	FY 2022/23 Proposed Budget
PC 17	Common	37224C	SCADA System Upgrade Project	\$ 302,000	\$ -
		37229C	Energy Building Updates	\$ 241,000	\$ 130,000
		37234C	Electrical Box Reconstruction	\$ -	\$ 1,048,000
		37235C	Instrumentation Plan	\$ -	\$ 78,000
		47212C	Site Storage Evaluation	\$ 64,000	\$ -
		47223C	Energy Building Condition Assessment	\$ 117,000	\$ -
		47224C	Consequence of Failure Analysis	\$ 39,000	\$ -
		57221C	NFPA 70 Classification Mapping	\$ 23,000	\$ -
		57222C	DHS Facility Compliance Review	\$ 14,000	\$ 14,000
		57223C	Arc Flash 5-Year Update	\$ 6,000	\$ -
	<b>Common Total</b>			<b>\$ 807,000</b>	<b>\$ 1,270,000</b>
	Liquids	37220L	Haufman Blower Panel Upgrade	\$ 175,000	\$ -
		37221L	Aeration Basin, Gate, and Blower Upgrades	\$ 710,000	\$ 6,390,000
		37233L	RAS System Condition Assessment	\$ -	\$ 56,000
		3753-000	Aeration Diffuser Upgrade (2020)	\$ 1,850,000	\$ -
		3756-000	Secondary Clarifier Safety Repairs (2020)	\$ 30,000	\$ 55,000
		3757-000	Miscellaneous Safety Improvements - Liquids (2020)	\$ 41,000	\$ 76,000
		3758-000	AWT No.2 Reconstruction (2020)	\$ 2,272,000	\$ -
		3759-000	AWT No.2 Electrical Upgrades (2020)	\$ 348,000	\$ -
		3776-000	Effluent Pond Gate Replacement (2021)	\$ 250,000	\$ -
		47211L	Interstage Pump Station Condition Assessment	\$ 52,000	\$ -
		47221L	Mixed Liquor Channel Condition Assessment	\$ 284,000	\$ -
		47222L	Secondary Effluent Conveyance Evaluation	\$ 53,000	\$ -
<b>Liquids Total</b>			<b>\$ 6,065,000</b>	<b>\$ 6,577,000</b>	
Solids	3771-000	Miscellaneous Safety Improvements - Solids (2020)	\$ 38,000	\$ -	
	3773-000	Co-Generation System Modifications (2020)	\$ 171,000	\$ -	
	57224S	Cogen SGIP	\$ 4,000	\$ 4,000	
<b>Solids Total</b>			<b>\$ 212,000</b>	<b>\$ 4,000</b>	
<b>PC 17 Total</b>				<b>\$ 7,084,000</b>	<b>\$ 7,851,000</b>
PC 21	E	3108-000	Air Valve Replacement Construction ( E) (2021)	\$ 252,000	\$ -
	<b>E Total</b>			<b>\$ 252,000</b>	<b>\$ -</b>
<b>PC 21 Total</b>				<b>\$ 252,000</b>	<b>\$ -</b>
PC 24	N/A	3480-000	Internal Seal Replacement	\$ 77,000	\$ -
		44222O	Golf Course Road Condition Assessmnet	\$ 20,000	\$ -
	<b>N/A Total</b>			<b>\$ 96,000</b>	<b>\$ -</b>
<b>PC 24 Total</b>				<b>\$ 96,000</b>	<b>\$ -</b>
<b>Grand Total</b>				<b>\$ 11,196,000</b>	<b>\$ 10,117,000</b>

**Table 1-8 - South Coast Water District Proposed FY22 & FY23 Capital Improvement Budget**

				Values			
Area	Project Number	Project Name		FY 2021/22 Proposed Budget	FY 2022/23 Proposed Budget		
PC 02	Common	3229-000	Drainage Pump Station Reconstruction (2021)	\$	33,000	\$	11,000
		3231-000	Facility Improvements B - Common Upgrades Construct	\$	119,000	\$	-
		42217C	Site Storage Evaluation	\$	15,000	\$	-
		42219C	Electrical Conduit and Cable Master Plan	\$	15,000	\$	-
		52221C	Arc Flash 5-Year Update	\$	2,000	\$	-
		52222C	NFPA 70 Classification Mapping	\$	7,000	\$	-
		52223C	DHS Facility Compliance Review	\$	4,000	\$	4,000
	<b>Common Total</b>			<b>\$</b>	<b>195,000</b>	<b>\$</b>	<b>15,000</b>
	Liquids	3220-000	Facility Improvements B - Basin Upgrades Construction	\$	254,000	\$	-
		32228L	MCC M Replacement	\$	353,000	\$	151,000
	<b>Liquids Total</b>			<b>\$</b>	<b>607,000</b>	<b>\$</b>	<b>151,000</b>
	Solids	32224S	Dewatering System, Truck Loading Area, and MCC 2 &	\$	283,000	\$	283,000
		3234-000	Centrate Piping Reconstruction (2021)	\$	40,000	\$	-
	<b>Solids Total</b>			<b>\$</b>	<b>323,000</b>	<b>\$</b>	<b>283,000</b>
<b>PC 02 Total</b>				<b>\$</b>	<b>1,125,000</b>	<b>\$</b>	<b>450,000</b>
PC 15	Liquids	35222L	Aeration Upgrade	\$	764,000	\$	1,624,000
		35233L	Vehicle Storage Building Mezzanine Upgrades	\$	-	\$	25,000
		35235L	Fiber Installation to Alicia Parkway	\$	19,000	\$	-
		3539-000	Facility Construction Improvements - Part II (2020)	\$	502,000	\$	-
		3541-000	Export Sludge System Construction (2020)	\$	1,177,000	\$	208,000
		3543-000	Export Sludge Pipeline Replacement at RTP (2021)	\$	142,000	\$	-
		45212L	Site Storage Evaluation	\$	15,000	\$	-
		45221L	Foul Air System Condition Assessment	\$	23,000	\$	-
		45222L	Headworks Condition Assessment	\$	37,000	\$	-
		45223L	Drainage Pump Station Condition Assessment	\$	52,000	\$	-
		45226L	Consequence of Failure Analysis	\$	15,000	\$	-
		55221L	DHS Facility Compliance Review	\$	5,000	\$	5,000
		55222L	NFPA 70 Classification Mapping	\$	9,000	\$	-
		<b>Liquids Total</b>			<b>\$</b>	<b>2,762,000</b>	<b>\$</b>
<b>PC 15 Total</b>				<b>\$</b>	<b>2,762,000</b>	<b>\$</b>	<b>1,862,000</b>

**Table 1-8 - South Coast Water District Proposed FY22 & FY23 Capital Improvement Budget**

				Values	
	Area	Project Number	Project Name	FY 2021/22 Proposed Budget	FY 2022/23 Proposed Budget
PC 17	Common	37224C	SCADA System Upgrade Project	\$ 19,000	\$ -
		37229C	Energy Building Updates	\$ 15,000	\$ 8,000
		37234C	Electrical Box Reconstruction	\$ -	\$ 67,000
		37235C	Instrumentation Plan	\$ -	\$ 5,000
		47212C	Site Storage Evaluation	\$ 4,000	\$ -
		47223C	Energy Building Condition Assessment	\$ 8,000	\$ -
		47224C	Consequence of Failure Analysis	\$ 3,000	\$ -
		57221C	NFPA 70 Classification Mapping	\$ 2,000	\$ -
		57222C	DHS Facility Compliance Review	\$ 1,000	\$ 1,000
		57223C	Arc Flash 5-Year Update	\$ 401	\$ -
	<b>Common Total</b>			<b>\$ 52,000</b>	<b>\$ 81,000</b>
	Solids	3771-000	Miscellaneous Safety Improvements - Solids (2020)	\$ 6,000	\$ -
		3773-000	Co-Generation System Modifications (2020)	\$ 26,000	\$ -
		57224S	Cogen SGIP	\$ 1,000	\$ 1,000
<b>Solids Total</b>			<b>\$ 32,000</b>	<b>\$ 1,000</b>	
<b>PC 17 Total</b>				<b>\$ 84,000</b>	<b>\$ 82,000</b>
PC 24	N/A	3480-000	Internal Seal Replacement	\$ 22,000	\$ -
		44222O	Golf Course Road Condition Assessmnet	\$ 6,000	\$ -
	<b>N/A Total</b>			<b>\$ 27,000</b>	<b>\$ -</b>
<b>PC 24 Total</b>				<b>\$ 27,000</b>	<b>\$ -</b>
<b>Grand Total</b>				<b>\$ 3,998,000</b>	<b>\$ 2,394,000</b>

**Table 1-9 - Santa Margarita Water District Proposed FY22 & FY23 Capital Improvement Budget**

				Values			
Area	Project Number	Project Name		FY 2021/22 Proposed Budget	FY 2022/23 Proposed Budget		
PC 02	Common	3229-000	Drainage Pump Station Reconstruction (2021)	\$	31,000	\$	10,000
		3231-000	Facility Improvements B - Common Upgrades Construct	\$	111,000	\$	-
		42217C	Site Storage Evaluation	\$	14,000	\$	-
		42219C	Electrical Conduit and Cable Master Plan	\$	14,000	\$	-
		52221C	Arc Flash 5-Year Update	\$	2,000	\$	-
		52222C	NFPA 70 Classification Mapping	\$	7,000	\$	-
		52223C	DHS Facility Compliance Review	\$	4,000	\$	4,000
		<b>Common Total</b>			<b>\$</b>	<b>182,000</b>	<b>\$</b>
	Liquids	3220-000	Facility Improvements B - Basin Upgrades Construction	\$	152,000	\$	-
		32228L	MCC M Replacement	\$	212,000	\$	91,000
	<b>Liquids Total</b>			<b>\$</b>	<b>364,000</b>	<b>\$</b>	<b>91,000</b>
	Solids	32224S	Dewatering System, Truck Loading Area, and MCC 2 &	\$	402,000	\$	402,000
		3234-000	Centrate Piping Reconstruction (2021)	\$	56,000	\$	-
	<b>Solids Total</b>			<b>\$</b>	<b>459,000</b>	<b>\$</b>	<b>402,000</b>
<b>PC 02 Total</b>				<b>\$</b>	<b>1,005,000</b>	<b>\$</b>	<b>507,000</b>
<b>Grand Total</b>				<b>\$</b>	<b>1,005,000</b>	<b>\$</b>	<b>507,000</b>



**Table 2 - Priority Projects - Fiscal Year 2022 and Fiscal Year 2023 Proposed CIP Budget**

	Area	Project Number	Project Name	Values	
				FY 2021/22 Proposed Budget	FY 2022/23 Proposed Budget
PC 02	Common	3229-000	Drainage Pump Station Reconstruction (2021)	\$ 134,000	\$ 45,000
		3231-000	Facility Improvements B - Common Upgrades Construct	\$ 486,000	\$ -
		42217C	Site Storage Evaluation	\$ 61,000	\$ -
		42219C	Electrical Conduit and Cable Master Plan	\$ 61,000	\$ -
		52221C	Arc Flash 5-Year Update	\$ 8,000	\$ -
		52222C	NFPA 70 Classification Mapping	\$ 30,000	\$ -
		52223C	DHS Facility Compliance Review	\$ 18,000	\$ 18,000
	<b>Common Total</b>			<b>\$ 797,000</b>	<b>\$ 62,000</b>
	Liquids	3220-000	Facility Improvements B - Basin Upgrades Construction	\$ 880,000	\$ -
		32228L	MCC M Replacement	\$ 1,225,000	\$ 525,000
	<b>Liquids Total</b>			<b>\$ 2,105,000</b>	<b>\$ 525,000</b>
	Solids	32224S	Dewatering System, Truck Loading Area, and MCC 2 &	\$ 1,417,000	\$ 1,417,000
3234-000		Centrate Piping Reconstruction (2021)	\$ 199,000	\$ -	
<b>Solids Total</b>			<b>\$ 1,616,000</b>	<b>\$ 1,417,000</b>	
<b>PC 02 Total</b>			<b>\$ 4,519,000</b>	<b>\$ 2,004,000</b>	
PC 15	AWT	35223A	Contact Basin Gate	\$ 25,000	\$ 225,000
	<b>AWT Total</b>			<b>\$ 25,000</b>	<b>\$ 225,000</b>
	Liquids	35222L	Aeration Upgrade	\$ 2,560,000	\$ 5,440,000
		35233L	Vehicle Storage Building Mezzanine Upgrades	\$ -	\$ 85,000
		35235L	Fiber Installation to Alicia Parkway	\$ 65,000	\$ -
		3525-000	Personnel Building Reconstruction	\$ 150,000	\$ -
		3539-000	Facility Construction Improvements - Part II (2020)	\$ 1,683,000	\$ -
		3541-000	Export Sludge System Construction (2020)	\$ 3,944,000	\$ 696,000
		3543-000	Export Sludge Pipeline Replacement at RTP (2021)	\$ 475,000	\$ -
		45212L	Site Storage Evaluation	\$ 50,000	\$ -
		45221L	Foul Air System Condition Assessment	\$ 76,000	\$ -
		45222L	Headworks Condition Assessment	\$ 125,000	\$ -
		45223L	Drainage Pump Station Condition Assessment	\$ 175,000	\$ -
		45226L	Consequence of Failure Analysis	\$ 50,000	\$ -
		55221L	DHS Facility Compliance Review	\$ 18,000	\$ 18,000
		55222L	NFPA 70 Classification Mapping	\$ 30,000	\$ -
		<b>Liquids Total</b>			<b>\$ 9,401,000</b>
<b>PC 15 Total</b>			<b>\$ 9,426,000</b>	<b>\$ 6,464,000</b>	

**Table 2 - Priority Projects - Fiscal Year 2022 and Fiscal Year 2023 Proposed CIP Budget**

	Area	Project Number	Project Name	Values		
				FY 2021/22 Proposed Budget	FY 2022/23 Proposed Budget	
PC 17	Common	37224C	SCADA System Upgrade Project	\$ 387,000	\$ -	
		37229C	Energy Building Updates	\$ 309,000	\$ 166,000	
		37234C	Electrical Box Reconstruction	\$ -	\$ 1,341,000	
		37235C	Instrumentation Plan	\$ -	\$ 100,000	
		47212C	Site Storage Evaluation	\$ 81,000	\$ -	
		47223C	Energy Building Condition Assessment	\$ 150,000	\$ -	
		47224C	Consequence of Failure Analysis	\$ 50,000	\$ -	
		57221C	NFPA 70 Classification Mapping	\$ 30,000	\$ -	
		57222C	DHS Facility Compliance Review	\$ 18,000	\$ 18,000	
		57223C	Arc Flash 5-Year Update	\$ 8,000	\$ -	
		<b>Common Total</b>			<b>\$ 1,033,000</b>	<b>\$ 1,625,000</b>
		Liquids	37220L	Haufman Blower Panel Upgrade	\$ 175,000	\$ -
			37221L	Aeration Basin, Gate, and Blower Upgrades	\$ 710,000	\$ 6,390,000
			37233L	RAS System Condition Assessment	\$ -	\$ 56,000
			3753-000	Aeration Diffuser Upgrade (2020)	\$ 1,850,000	\$ -
			3756-000	Secondary Clarifier Safety Repairs (2020)	\$ 30,000	\$ 55,000
			3757-000	Miscellaneous Safety Improvements - Liquids (2020)	\$ 41,000	\$ 76,000
			3758-000	AWT No.2 Reconstruction (2020)	\$ 2,272,000	\$ -
			3759-000	AWT No.2 Electrical Upgrades (2020)	\$ 348,000	\$ -
			3776-000	Effluent Pond Gate Replacement (2021)	\$ 250,000	\$ -
			47211L	Interstage Pump Station Condition Assessment	\$ 52,000	\$ -
			47221L	Mixed Liquor Channel Condition Assessment	\$ 284,000	\$ -
			47222L	Secondary Effluent Conveyance Evaluation	\$ 53,000	\$ -
			<b>Liquids Total</b>			<b>\$ 6,065,000</b>
		Solids	3771-000	Miscellaneous Safety Improvements - Solids (2020)	\$ 64,000	\$ -
			3773-000	Co-Generation System Modifications (2020)	\$ 291,000	\$ -
			57224S	Cogen SGIP	\$ 6,000	\$ 6,000
	<b>Solids Total</b>			<b>\$ 361,000</b>	<b>\$ 6,000</b>	
<b>PC 17 Total</b>				<b>\$ 7,458,000</b>	<b>\$ 8,209,000</b>	
PC 21	B/C/D	3107-000	Air Valve Replacement Construction (D) (2021)	\$ 378,000	\$ -	
		31211B	Aliso ETM Reach B/C Techite Replacement	\$ 292,000	\$ 2,263,000	
	<b>B/C/D Total</b>			<b>\$ 670,000</b>	<b>\$ 2,263,000</b>	
	E	3108-000	Air Valve Replacement Construction ( E ) (2021)	\$ 472,000	\$ -	
<b>E Total</b>			<b>\$ 472,000</b>	<b>\$ -</b>		
<b>PC 21 Total</b>				<b>\$ 1,142,000</b>	<b>\$ 2,263,000</b>	

**Table 2 - Priority Projects - Fiscal Year 2022 and Fiscal Year 2023 Proposed CIP Budget**

	Area	Project Number	Project Name	Values	
				FY 2021/22 Proposed Budget	FY 2022/23 Proposed Budget
PC 24	N/A	3480-000	Internal Seal Replacement	\$ 175,000	\$ -
		44222O	Golf Course Road Condition Assessmnet	\$ 45,000	\$ -
	<b>N/A Total</b>			<b>\$ 220,000</b>	<b>\$ -</b>
<b>PC 24 Total</b>				<b>\$ 220,000</b>	<b>\$ -</b>
<b>Grand Total</b>				<b>\$ 22,765,000</b>	<b>\$ 18,939,000</b>

**Table 3 - Contingency Projects - Fiscal Year 2022 and Fiscal Year 2023**

				Values	
Area	Project Number	Project Name		FY 2021/22 Proposed Budget	FY 2022/23 Proposed Budget
PC 02	Common	42218C	Buried Utility Master Plan	\$ -	\$ 152,000
		42231C	Chlorine Building and Storm Water Pump Station Condit	\$ -	\$ 50,000
	<b>Common Total</b>			<b>\$ -</b>	<b>\$ 203,000</b>
	Liquids	32221L	Plant 1 Grit, MCC A-1, & Blower Building Upgrades	\$ 607,000	\$ 5,467,000
		32222L	Aeration Basin Drainage Pumps	\$ 60,000	\$ 341,000
		32223L	Chlorine Contact Basin Isolation Gates and Structural R	\$ 50,000	\$ 282,000
		32225L	Plant 2 Primary Sedimentation Upgrade	\$ -	\$ 655,000
		32226L	Plant 2 Secondary Sedimentation Upgrade	\$ -	\$ 636,000
		3285-000	Main Plant Drain Line Reconstruction (2018)	\$ -	\$ 223,000
		42211L	Influent Flow Metering Evaluation	\$ 51,000	\$ -
		42212L	Plant 1 Grit Handling Evaluation	\$ 51,000	\$ -
		42213L	Dana Point Influent Sewer Condition Assessment	\$ 350,000	\$ -
	<b>Liquids Total</b>			<b>\$ 1,169,000</b>	<b>\$ 7,604,000</b>
	Solids	32231S	Gas Flare Replacement	\$ -	\$ 263,000
<b>Solids Total</b>			<b>\$ -</b>	<b>\$ 263,000</b>	
<b>PC 02 Total</b>			<b>\$ 1,169,000</b>	<b>\$ 8,070,000</b>	
PC 05	N/A	36221O	Surge System Air Valve Replacement	\$ 39,000	\$ -
		46211O	Land Outfall Facility Condition Assessment	\$ 52,000	\$ -
		46221O	Marine Outfall Core Sample and Condition Assessment	\$ 90,000	\$ -
	<b>N/A Total</b>			<b>\$ 181,000</b>	<b>\$ -</b>
<b>PC 05 Total</b>			<b>\$ 181,000</b>	<b>\$ -</b>	
PC 15	Liquids	35221L	Auxiliary Blower and Maintenance Building Roofs	\$ 83,000	\$ 83,000
		35231L	Odor Control Scrubber/Foul Air System Reconstruction	\$ -	\$ 367,000
		35232L	Scum Pump Station and Wet Well	\$ -	\$ 239,000
		35234L	RAS/WAS Pump Station	\$ -	\$ 84,000
		3542-000	South Embankment Protection (2021)	\$ 175,000	\$ -
		45211L	Plant Reconfiguration Feasibility Study	\$ 150,000	\$ -
		45224L	Scum Pump Station and Wet Well Condition Assessmer	\$ 50,000	\$ -
		45225L	Electrical Manhole/Cable Assessment	\$ 85,000	\$ -
<b>Liquids Total</b>			<b>\$ 543,000</b>	<b>\$ 773,000</b>	
<b>PC 15 Total</b>			<b>\$ 543,000</b>	<b>\$ 773,000</b>	

**Table 3 - Contingency Projects - Fiscal Year 2022 and Fiscal Year 2023**

				Values	
Area	Project Number	Project Name		FY 2021/22 Proposed Budget	FY 2022/23 Proposed Budget
PC 17	Common	37202C	West Slope Protection (2020)	\$ 184,000	\$ -
		37203C	Admin. Bldg. Door and Window Repair (2020)	\$ 133,000	\$ -
		37220C	West Side Storm Channel Reconstruction	\$ 95,000	\$ -
		37225C	Buried Water Pipe Reconstruction	\$ 569,000	\$ 1,057,000
		37228C	MCC A, C, G, H Replacement (Common) (2021)	\$ 435,000	\$ 186,000
		3778-000	Site Lighting Upgrade - Common (2021)	\$ 360,000	\$ 90,000
	<b>Common Total</b>			<b>\$ 1,775,000</b>	<b>\$ 1,333,000</b>
	Liquids	37228L	MCC A, C, G, H Replacement (Liquids) (2021)	\$ 787,000	\$ 197,000
		37231L	Secondary Scum Pump Station Reconstruction	\$ -	\$ 646,000
		37232L	Primary Sedimentation Collectors and Gates	\$ -	\$ 1,009,000
		3777-000	Site Lighting Upgrade Basins (2021)	\$ 438,000	\$ 109,000
		47225L	Grit Handling Evaluation	\$ 63,000	\$ -
	<b>Liquids Total</b>			<b>\$ 1,288,000</b>	<b>\$ 1,961,000</b>
	Solids	37226S	Flare Replacement Project	\$ 285,000	\$ 2,566,000
		37228S	MCC A, C, G, H Replacement (Solids) (2021)	\$ 306,000	\$ 131,000
		37236S	Solids Area Overhaul Plan	\$ -	\$ 100,000
		37237S	Digester System Condition Assessment	\$ -	\$ 95,000
3772-000		Hot Water Piping Reconstruction (2020)	\$ 312,000	\$ -	
<b>Solids Total</b>			<b>\$ 903,000</b>	<b>\$ 2,892,000</b>	
<b>PC 17 Total</b>				<b>\$ 3,966,000</b>	<b>\$ 6,186,000</b>
PC 21	B/C/D	3109-000	Trail Bridge Crossing (D) (2021)	\$ 512,000	\$ 512,000
	<b>B/C/D Total</b>			<b>\$ 512,000</b>	<b>\$ 512,000</b>
<b>PC 21 Total</b>				<b>\$ 512,000</b>	<b>\$ 512,000</b>
PC 24	N/A	4401-000	Creek Section Pipeline Replacement Estimate Update	\$ 51,000	\$ -
		44221O	Metering and Sampling Review	\$ -	\$ 67,000
	<b>N/A Total</b>			<b>\$ 51,000</b>	<b>\$ 67,000</b>
<b>PC 24 Total</b>				<b>\$ 51,000</b>	<b>\$ 67,000</b>
<b>Grand Total</b>				<b>\$ 6,422,000</b>	<b>\$ 15,607,000</b>

**Table 4 - Fiscal Year 2022 and Fiscal Year 2023 Priority and Contingency CIP Projects**

	Area	Project Number	Project Name	Values		
				FY 2021/22 Proposed Budget	FY 2022/23 Proposed Budget	
PC 02	Common	3229-000	Drainage Pump Station Reconstruction (2021)	\$ 134,000	\$ 45,000	
		3231-000	Facility Improvements B - Common Upgrades Constructi	\$ 486,000	\$ -	
		42217C	Site Storage Evaluation	\$ 61,000	\$ -	
		42218C	Buried Utility Master Plan	\$ -	\$ 152,000	
		42219C	Electrical Conduit and Cable Master Plan	\$ 61,000	\$ -	
		42231C	Chlorine Building and Storm Water Pump Station Condit	\$ -	\$ 50,000	
		52221C	Arc Flash 5-Year Update	\$ 8,000	\$ -	
		52222C	NFPA 70 Classification Mapping	\$ 30,000	\$ -	
		52223C	DHS Facility Compliance Review	\$ 18,000	\$ 18,000	
	<b>Common Total</b>				<b>\$ 797,000</b>	<b>\$ 265,000</b>
	Liquids	3220-000	Facility Improvements B - Basin Upgrades Construction	\$ 880,000	\$ -	
		32221L	Plant 1 Grit, MCC A-1, & Blower Building Upgrades	\$ 607,000	\$ 5,467,000	
		32222L	Aeration Basin Drainage Pumps	\$ 60,000	\$ 341,000	
		32223L	Chlorine Contact Basin Isolation Gates and Structural Re	\$ 50,000	\$ 282,000	
		32225L	Plant 2 Primary Sedimentation Upgrade	\$ -	\$ 655,000	
		32226L	Plant 2 Secondary Sedimentation Upgrade	\$ -	\$ 636,000	
		32228L	MCC M Replacement	\$ 1,225,000	\$ 525,000	
		3285-000	Main Plant Drain Line Reconstruction (2018)	\$ -	\$ 223,000	
		42211L	Influent Flow Metering Evaluation	\$ 51,000	\$ -	
		42212L	Plant 1 Grit Handling Evaluation	\$ 51,000	\$ -	
		42213L	Dana Point Influent Sewer Condition Assessment	\$ 350,000	\$ -	
	<b>Liquids Total</b>				<b>\$ 3,274,000</b>	<b>\$ 8,129,000</b>
	Solids	32224S	Dewatering System, Truck Loading Area, and MCC 2 & (	\$ 1,417,000	\$ 1,417,000	
32231S		Gas Flare Replacement	\$ -	\$ 263,000		
3234-000		Centrate Piping Reconstruction (2021)	\$ 199,000	\$ -		
<b>Solids Total</b>				<b>\$ 1,616,000</b>	<b>\$ 1,680,000</b>	
<b>PC 02 Total</b>				<b>\$ 5,687,000</b>	<b>\$ 10,074,000</b>	
PC 05	N/A	36221O	Surge System Air Valve Replacement	\$ 39,000	\$ -	
		46211O	Land Outfall Facility Condition Assessment	\$ 52,000	\$ -	
		46221O	Marine Outfall Core Sample and Condition Assessment	\$ 90,000	\$ -	
	<b>N/A Total</b>				<b>\$ 181,000</b>	<b>\$ -</b>
<b>PC 05 Total</b>				<b>\$ 181,000</b>	<b>\$ -</b>	

**Table 4 - Fiscal Year 2022 and Fiscal Year 2023 Priority and Contingency CIP Projects**

	Area	Project Number	Project Name	Values		
				FY 2021/22 Proposed Budget	FY 2022/23 Proposed Budget	
PC 15	AWT	35223A	Contact Basin Gate	\$ 25,000	\$ 225,000	
	<b>AWT Total</b>			<b>\$ 25,000</b>	<b>\$ 225,000</b>	
	Liquids	35221L	Auxiliary Blower and Maintenance Building Roofs	\$ 83,000	\$ 83,000	
		35222L	Aeration Upgrade	\$ 2,560,000	\$ 5,440,000	
		35231L	Odor Control Scrubber/Foul Air System Reconstruction	\$ -	\$ 367,000	
		35232L	Scum Pump Station and Wet Well	\$ -	\$ 239,000	
		35233L	Vehicle Storage Building Mezzanine Upgrades	\$ -	\$ 85,000	
		35234L	RAS/WAS Pump Station	\$ -	\$ 84,000	
		35235L	Fiber Installation to Alicia Parkway	\$ 65,000	\$ -	
		3525-000	Personnel Building Reconstruction	\$ 150,000	\$ -	
		3539-000	Facility Construction Improvements - Part II (2020)	\$ 1,683,000	\$ -	
		3541-000	Export Sludge System Construction (2020)	\$ 3,944,000	\$ 696,000	
		3542-000	South Embankment Protection (2021)	\$ 175,000	\$ -	
		3543-000	Export Sludge Pipeline Replacement at RTP (2021)	\$ 475,000	\$ -	
		45211L	Plant Reconfiguration Feasibility Study	\$ 150,000	\$ -	
		45212L	Site Storage Evaluation	\$ 50,000	\$ -	
		45221L	Foul Air System Condition Assessment	\$ 76,000	\$ -	
		45222L	Headworks Condition Assessment	\$ 125,000	\$ -	
		45223L	Drainage Pump Station Condition Assessment	\$ 175,000	\$ -	
		45224L	Scum Pump Station and Wet Well Condition Assessment	\$ 50,000	\$ -	
		45225L	Electrical Manhole/Cable Assessment	\$ 85,000	\$ -	
		45226L	Consequence of Failure Analysis	\$ 50,000	\$ -	
		55221L	DHS Facility Compliance Review	\$ 18,000	\$ 18,000	
		55222L	NFPA 70 Classification Mapping	\$ 30,000	\$ -	
		<b>Liquids Total</b>			<b>\$ 9,944,000</b>	<b>\$ 7,011,000</b>
	<b>PC 15 Total</b>				<b>\$ 9,969,000</b>	<b>\$ 7,236,000</b>

**Table 4 - Fiscal Year 2022 and Fiscal Year 2023 Priority and Contingency CIP Projects**

	Area	Project Number	Project Name	Values			
				FY 2021/22 Proposed Budget	FY 2022/23 Proposed Budget		
PC 17	Common	37202C	West Slope Protection (2020)	\$ 184,000	\$ -		
		37203C	Admin. Bldg. Door and Window Repair (2020)	\$ 133,000	\$ -		
		37220C	West Side Storm Channel Reconstruction	\$ 95,000	\$ -		
		37224C	SCADA System Upgrade Project	\$ 387,000	\$ -		
		37225C	Buried Water Pipe Reconstruction	\$ 569,000	\$ 1,057,000		
		37228C	MCC A, C, G, H Replacement (Common) (2021)	\$ 435,000	\$ 186,000		
		37229C	Energy Building Updates	\$ 309,000	\$ 166,000		
		37234C	Electrical Box Reconstruction	\$ -	\$ 1,341,000		
		37235C	Instrumentation Plan	\$ -	\$ 100,000		
		3778-000	Site Lighting Upgrade - Common (2021)	\$ 360,000	\$ 90,000		
		47212C	Site Storage Evaluation	\$ 81,000	\$ -		
		47223C	Energy Building Condition Assessment	\$ 150,000	\$ -		
		47224C	Consequence of Failure Analysis	\$ 50,000	\$ -		
		57221C	NFPA 70 Classification Mapping	\$ 30,000	\$ -		
		57222C	DHS Facility Compliance Review	\$ 18,000	\$ 18,000		
		57223C	Arc Flash 5-Year Update	\$ 8,000	\$ -		
		<b>Common Total</b>				<b>\$ 2,808,000</b>	<b>\$ 2,958,000</b>
		Liquids	37220L	Haufman Blower Panel Upgrade	\$ 175,000	\$ -	
	37221L		Aeration Basin, Gate, and Blower Upgrades	\$ 710,000	\$ 6,390,000		
	37228L		MCC A, C, G, H Replacement (Liquids) (2021)	\$ 787,000	\$ 197,000		
	37231L		Secondary Scum Pump Station Reconstruction	\$ -	\$ 646,000		
	37232L		Primary Sedimentation Collectors and Gates	\$ -	\$ 1,009,000		
	37233L		RAS System Condition Assessment	\$ -	\$ 56,000		
	3753-000		Aeration Diffuser Upgrade (2020)	\$ 1,850,000	\$ -		
	3756-000		Secondary Clarifier Safety Repairs (2020)	\$ 30,000	\$ 55,000		
	3757-000		Miscellaneous Safety Improvements - Liquids (2020)	\$ 41,000	\$ 76,000		
	3758-000		AWT No.2 Reconstruction (2020)	\$ 2,272,000	\$ -		
	3759-000		AWT No.2 Electrical Upgrades (2020)	\$ 348,000	\$ -		
	3776-000		Effluent Pond Gate Replacement (2021)	\$ 250,000	\$ -		
	3777-000		Site Lighting Upgrade Basins (2021)	\$ 438,000	\$ 109,000		
	47211L		Interstage Pump Station Condition Assessment	\$ 52,000	\$ -		
	47221L		Mixed Liquor Channel Condition Assessment	\$ 284,000	\$ -		
	47222L	Secondary Effluent Conveyance Evaluation	\$ 53,000	\$ -			
47225L	Grit Handling Evaluation	\$ 63,000	\$ -				
<b>Liquids Total</b>				<b>\$ 7,353,000</b>	<b>\$ 8,538,000</b>		



**Table 4 - Fiscal Year 2022 and Fiscal Year 2023 Priority and Contingency CIP Projects**

	Area	Project Number	Project Name	Values	
				FY 2021/22 Proposed Budget	FY 2022/23 Proposed Budget
PC 17	Solids	37226S	Flare Replacement Project	\$ 285,000	\$ 2,566,000
		37228S	MCC A, C, G, H Replacement (Solids) (2021)	\$ 306,000	\$ 131,000
		37236S	Solids Area Overhaul Plan	\$ -	\$ 100,000
		37237S	Digester System Condition Assessment	\$ -	\$ 95,000
		3771-000	Miscellaneous Safety Improvements - Solids (2020)	\$ 64,000	\$ -
		3772-000	Hot Water Piping Reconstruction (2020)	\$ 312,000	\$ -
		3773-000	Co-Generation System Modifications (2020)	\$ 291,000	\$ -
		57224S	Cogen SGIP	\$ 6,000	\$ 6,000
<b>Solids Total</b>				<b>\$ 1,264,000</b>	<b>\$ 2,898,000</b>
<b>PC 17 Total</b>				<b>\$ 11,425,000</b>	<b>\$ 14,395,000</b>
PC 21	B/C/D	3107-000	Air Valve Replacement Construction (D) (2021)	\$ 378,000	\$ -
		3109-000	Trail Bridge Crossing (D) (2021)	\$ 512,000	\$ 512,000
		31211B	Aliso ETM Reach B/C Techite Replacement	\$ 292,000	\$ 2,263,000
	<b>B/C/D Total</b>				<b>\$ 1,181,000</b>
E	3108-000	Air Valve Replacement Construction ( E) (2021)	\$ 472,000	\$ -	
<b>E Total</b>				<b>\$ 472,000</b>	<b>\$ -</b>
<b>PC 21 Total</b>				<b>\$ 1,654,000</b>	<b>\$ 2,775,000</b>
PC 24	N/A	3480-000	Internal Seal Replacement	\$ 175,000	\$ -
		4401-000	Creek Section Pipeline Replacement Estimate Update	\$ 51,000	\$ -
		44221O	Metering and Sampling Review	\$ -	\$ 67,000
		44222O	Golf Course Road Condition Assessmnet	\$ 45,000	\$ -
<b>N/A Total</b>				<b>\$ 271,000</b>	<b>\$ 67,000</b>
<b>PC 24 Total</b>				<b>\$ 271,000</b>	<b>\$ 67,000</b>
<b>Grand Total</b>				<b>\$ 29,187,000</b>	<b>\$ 34,546,000</b>