

For the Period Ending June 30, 2021

DATE: August 12, 2021

TO: Orange County Sanitation District

Board of Directors

FROM: James D. Herberg, General Manager

Through: Kathy Millea, Director of Engineering

This report summarizes the status, activities, and performance of construction contracts and consultant agreements. This report also identifies the names and status of projects being performed under master budgets for planning studies, research, small construction projects, O&M capital projects, and information technology projects.

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For the Period Ending June 30, 2021

PART 1 - CONSTRUCTION CONTRACTS

Table 1 lists the Board-awarded construction contracts active as of June 30, 2021, while Table 2 lists the General Manager-awarded construction contracts. The General Manager may award contracts up to \$100,000 and task orders up to \$300,000. The graph below shows the number and total value of projects broken down plant and collections.



One Board-awarded construction contracts was closed in this quarter, as listed in Table 3. Three construction contracts awarded by the General Manager were closed in this quarter, as listed in Table 4.

Table 1 - Active Board-Awarded Construction Contracts as of 6/30/2021

| | | | Table 1 - Active Board-Awar | 1 | 1 | | -,, | | | | 1 | |
|--------------|------------|----------------------------------------------------------------------------------------------|--------------------------------------------|---------------|---------|-----------------------|---------------|-------------------------------|-------------------------|------------------------|---------------------|--------------------------|
| Project / Co | ontract | | Contractor | Award Date | % Spent | Board Award Amount | Change Orders | Current Contract Amount | Original Contingency | Current Contingency | Contingency Used | Contingency Remaining |
| | | | | | | | | | | | | |
| 2-72 | Newhope- | Placentia Trunk Replacement | | | | | | | | | | |
| | 2-72B | Newhope-Placentia Trunk Replacement, Segment B | OHL USA, INC. | 06/15/2018 | 92% | \$58,242,000 | \$3,735,407 | \$61,977,407 | 6.5% | 10.0% | 6.4% | 3.6% |
| 3-62 | Westminst | ter Blvd Force Main Replacement | | | | | | | | | | 1 |
| | 3-62 | Westminster Blvd Force Main Replacement | Teichert Energy & Utilities Group, Inc. | 12/18/2019 | 57% | \$27,743,000 | \$409,769 | \$28,152,769 | 10.0% | 10.0% | 1.5% | 8.5% |
| 3-64 | Rehabilita | tion of Western Regional Sewers | | | | | | | | | | |
| | 3-64B | Los Alamitos Trunk Sewer Rehabilitation | Steve P. Rados, Inc. | 05/26/2021 | 0% | \$17,775,000 | \$0 | \$17,775,000 | 10.0% | 10.0% | 0.0% | 10.0% |
| J-117 | Ocean Out | tfall System Rehabilitation | | | | | | | | | | 1 |
| | J-117B | Outfall Low Flow Pump Station | Shimmick Construction Co., Inc. | 12/19/2018 | 33% | \$90,200,000 | \$504,722 | \$90,704,722 | 8.0% | 8.0% | 0.6% | 7.4% |
| J-126 | Safety Imp | provements Program | | | | | | | | | | |
| | J-126C | NFPA 820 HVAC and Electrical Improvements | MMC, Inc. | 03/05/2019 | 92% | \$469,000 | \$0 | \$469,000 | 10.0% | 10.0% | 0.0% | 10.0% |
| J-127 | Natural Ga | as Pipelines Replacement at Plant Nos. 1 and 2 | | | | | | | | | | |
| | J-127 | Natural Gas Pipelines Replacement at Plant Nos. 1 and 2 | Innovative Construction Solutions | 07/22/2020 | 7% | \$745,500 | \$0 | \$745,500 | 10.0% | 10.0% | 0.0% | 10.0% |
| J-135 | Central Ge | eneration Engine Overhauls at Plant No. 1 and 2 | | | | 1 | | | | | | |
| | J-135A | Central Generation Engine Overhaul at Plant No. 1 | Cooper Machinery Services LLC | 06/08/2021 | 0% | \$3,705,932 | \$0 | \$3,705,932 | 20.0% | 20.0% | 0.0% | 20.0% |
| M-FE | Small Cons | struction Projects Program | | | | | | | | | | |
| | FE18-11 | Headworks Explosive Gas Monitoring Systems at Plant No. 1 and No. 2 | Baker Electric | 01/22/2020 | 0% | \$223,984 | \$0 | \$223,984 | 10.0% | 10.0% | 0.0% | 10.0% |
| | FE18-14 | Plant Water Pipeline Replacement in Kinnison, Lindstrom, and Scott Tunnels at Plant No. 2 | MMC, Inc. | 12/16/2020 | 0% | \$1,134,000 | \$0 | \$1,134,000 | 15.0% | 15.0% | 0.0% | 15.0% |
| | FE18-15 | Plant Boiler System Relief at Plant No. 2 | MMC, Inc. | 04/21/2021 | 0% | \$230,000 | \$0 | \$230,000 | 15.0% | 15.0% | 0.0% | 15.0% |
| | FE18-19 | 12KV Distribution B and East RAS Pump Station Roofing Replacement | , | 05/27/2020 | 46% | \$674,800 | \$16,664 | \$691,464 | 10.0% | 10.0% | 2.5% | 7.5% |
| M-FR-880 | Master On | perationally Funded | Construction, mc. | | | | | | | | | |
| WI-1 IX-000 | MP-105 | P2 CENGEN Steam Turbine Rehabilitation | Dresser-Rand | 03/25/2018 | 64% | **\$484,220 | \$0 | \$484,220 | 20.0% | 20.0% | 0.0% | 20.0% |
| | MP-638 | Activated Sludge Plant Clarifier Inlet Gate Replacement at Plant No. 2 | | 12/18/2019 | 83% | \$658,300 | \$0 | \$658,300 | 10.0% | 10.0% | 0.0% | 10.0% |
| | MP-305 | Cengen Supply Air Fan Support Replacement at Plant No. 2 | J.R. Filanc Construction Company, | 12/16/2020 | 0% | \$297,000 | \$0 | \$297,000 | 15.0% | 15.0% | 0.0% | 15.0% |
| | FR1-0007 | Control Center Offices and Day Training Room Remodeling at Plant No. 1 | Thomas Solar Energy | 05/26/2021 | 0% | \$256,790 | \$0 | \$256,790 | 10.0% | 10.0% | 0.0% | 10.0% |
| | FR2-0013 | P2 Trickling Filter Sludge Pump Room Exhaust Fan Relocation at Plant No.2 | MMC, Inc. | 04/21/2021 | 0% | \$184,000 | \$0 | \$184,000 | 20.0% | 20.0% | 0.0% | 20.0% |
| | FRC-0002 | | Innovative Construction Solutions | 11/18/2020 | 44% | \$598,000 | \$0 | \$598,000 | 10.0% | 10.0% | 0.0% | 10.0% |
| | FRC-0004 | Seal Beach Pump Station Isolation Valve Replacement | J.R. Filanc Construction Company, Inc. | 12/16/2020 | 0% | \$466,830 | \$0 | \$466,830 | 20.0% | 20.0% | 0.0% | 20.0% |
| M-SM-CAP | Operation | s & Maintenance Capital Program | | | | | | | | | | i |
| | SC19-03 | Return Activated Sludge Pump Station Elevator Rehabilitation at Plant No. 2 | OTIS | 12/16/2020 | 0% | \$432,400 | \$0 | \$432,400 | 20.0% | 20.0% | 0.0% | 20.0% |
| P1-105 | Headwork | s Rehabilitation at Plant 1 | | | | | | | | | | |
| | P1-105 | Headworks Rehabilitation at Plant 1 | Kiewit Infrastructure West Co. | 02/24/2021 | 0% | \$222,330,000 | \$0 | \$222,330,000 | 4.0% | 4.0% | 0.0% | 4.0% |
| P1-128 | | ters Complex | | | | | | | | | | i |
| | P1-128C | Headquarters Complex Site Preparation | Resource Environmental, Inc. | 07/01/2020 | 96% | \$1,555,000 | \$0 | \$1,555,000 | 10.0% | 10.0% | 0.0% | 10.0% |
| | P1-128A | Headquarters Complex at Plant No. 1 | Swinerton Builders | 05/26/2021 | 0% | \$102,544,973 | \$0 | \$102,544,973 | 5.0% | 5.0% | 0.0% | 5.0% |
| P1-135 | | erric Chloride Piping Replacement at Plant No. 1 | - | | | 1 | 1 | , , , , | | | | |
| | P1-135 | | PPM Contracting (PPM) | 02/02/2021 | 0% | \$515,000 | \$0 | \$515,000 | 10.0% | 10.0% | 0.0% | 10.0% |

Table 1 - Active Board-Awarded Construction Contracts as of 6/30/2021

| | | | | | | | · · | Current | | | | Í |
|-----------|-----------|--------------------------------------------------------------------|---------------------------------|------------|---------|---------------|----------------------|---------------|-------------|-------------|-------------|-------------|
| | | | | Award | | Board Award | | Contract | Original | Current | Contingency | Contingency |
| Project / | Contract | | Contractor | Date | % Spent | Amount | Change Orders | Amount | Contingency | Contingency | Used | Remaining |
| P2-98 | Primary T | reatment Rehabilitation at Plant No. 2 | | | | | | | | | | |
| | P2-98B | B/C-Side Primary Clarifiers Interim Repair at Plant 2 | Myers & Sons Construction, LLC | 01/23/2019 | 82% | \$8,665,000 | \$428,356 | \$9,093,356 | 10.0% | 10.0% | 4.9% | 5.1% |
| | P2-98A | A-Side Primary Clarifiers Replacement at Plant 2 | PCL CONSTRUCTION, INC. | 05/26/2021 | 0% | \$111,405,880 | \$0 | \$111,405,880 | 6.0% | 6.0% | 0.0% | 6.0% |
| P2-122 | Headworl | s Modifications at Plant No. 2 for GWRS Final Expansion | | | | | | | | | | |
| | P2-122 | Headworks Modifications at Plant No. 2 for GWRS Final Expansion | Shimmick Construction Co., Inc. | 01/22/2020 | 30% | \$14,487,735 | \$276,841 | \$14,764,576 | 10.0% | 10.0% | 1.9% | 8.1% |
| P2-123 | Return Ac | tivated Sludge Piping Replacement at Plant 2 | | | | | | | | | | |
| | P2-123 | Return Activated Sludge Piping Replacement at Plant 2 | Shimmick Construction Co., Inc. | 09/25/2019 | 43% | \$6,042,110 | \$132,139 | \$6,174,249 | 10.0% | 10.0% | 2.2% | 7.8% |
| | | · | <u> </u> | Total | | \$672,066,454 | \$5.503.898 | \$677.570.352 | | | | |

^{**} Original Award was \$245,424, and later amended to \$484,220 with a contingency reduction by Board Action on 4/22/20

Table 2 - Active GM-Awarded Construction Contracts and Task Orders as of 6/30/2021

| Project / Contract | | Contractor | Award Date | % Spent | Original Award Amount | Change Orders | Current Contract Amount | Change Order Rate |
|------------------------|-----------------------------------------------|----------------------------------------|---------------|---------|--------------------------|---------------|-------------------------------|----------------------|
| Operationally Funded I | Projects | | | | | | | |
| FR1-0010 | Laboratory Building Roof Repair at Plant No 1 | J.R. Filanc Construction Company, Inc. | 1/19/21 | 0% | \$88,283 | \$0 | \$88,283 | 0.0% |
| FR2-0019 | Digester O Repairs at Plant No. 2 | Jamison Engineering | 8/28/20 | 60% | \$131,000 | \$0 | \$131,000 | 0.0% |
| FR2-0021 | Boilers Retubing at Plant 2 | RF MacDonald | 2/8/21 | 0% | \$51,250 | \$0 | \$51,250 | 0.0% |
| | | | Total | | \$270,533 | \$0 | \$270,533 | |

for Quarter Ending 6/30/2021

Table 3 - Board-Awarded Construction Contracts Closed in Last Quarter

| | | | | Date | | Board Award | | Final Contract | Original | Current | Contingency | Unused |
|-----------|------------|--------------------------------------------------------------------------------|---------------------------|--------|------------|-------------|----------------------|----------------|-------------|-------------|-------------|-------------|
| Project / | Contract | | Contractor | Closed | Award Date | Amount | Change Orders | Amount | Contingency | Contingency | Used | Contingency |
| J-126 | Safety Imp | provements Program | | | | | | | | | | |
| | J-126JK | Stairs, Hatches, Walkway Hazards, Ladders, Guardrails, Roof Fall Protection | Olsson Construction, Inc. | PLANT | 10/24/2018 | \$3,637,601 | \$266,283 | \$3,903,884 | 10.0% | 10.0% | 7.3% | 2.7% |
| | | | | | Total | \$3,637,601 | \$266,283 | \$3,903,884 | | | | |

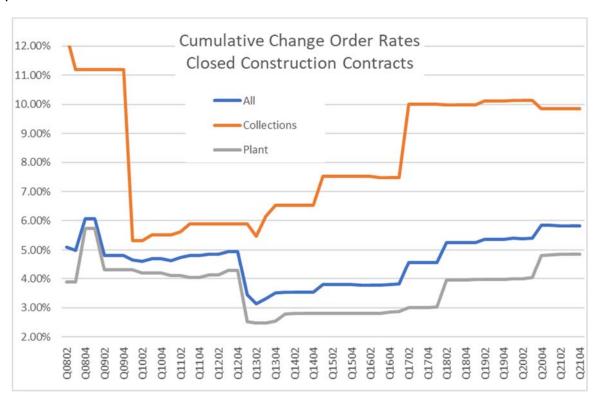
Table 4 - GM-Awarded Construction Contracts and Task Order Closed in Last Quarter

| Project / | Contract | | Contractor | Date Closed | Award Date | Original Award Amount | Change Orders | Final Contract Amount | Final Change Order Rate |
|-----------|--------------|--------------------------------------------|----------------------------|----------------|------------|--------------------------|---------------|--------------------------|----------------------------|
| M-FE | Small Cons | truction Projects Program | | | | | | | |
| | FE19-09 | Newhope - Placentia Trunk Grade Separation | Charles King Company, Inc. | 6/29/21 | 9/21/20 | \$298,850 | \$0 | \$298,850 | 0.0% |
| | | Replacement Repairs | | | | | | | |
| Operation | nally-Funded | Projects | | | | | | | |
| | FR2-0019 | Digester O Repairs at Plant No. 2 | Jamison Engineering | 4/23/21 | 8/28/20 | \$131,000 | \$14,450 | \$145,450 | 11.0% |
| | FRC-0008 | East Lido Forcemain Repair | W.A. Rasic Construction | 5/21/21 | 4/6/21 | \$129,721 | (\$3,320) | \$126,401 | -2.6% |
| | | | Company | | | | | | |
| | | | | | Total | \$559,571 | \$11,130 | \$570,701 | |



For the Period Ending June 30, 2021

When the Orange County Sanitation District (OC San) Board awards a construction contract, they also approve a contingency which allows the General Manager to approve contract change orders up to the amount of the contingency. One purpose of this report is to document how much of the contingency is utilized. A contract's change order rate is only meaningful when the work is completed. As such, the change order performance charts in this report are based only on contracts closed since the Board began approving contingencies in 2008. The following chart shows how cumulative change order rates have changed for plant, collections, and all contracts since the contingency system was implemented.





For the Period Ending June 30, 2021

PART 2 – ENGINEERING SERVICES AGREEMENTS

OC San engages engineering consultants through Professional Service Agreements (PSAs), Professional Design Services Agreements (PDSAs), Professional Construction Services Agreements (PCSAs), and Master Professional Services Agreements (Master Agreements). PDSAs are used to obtain design engineering services, and PCSAs are a subsequent agreement with the design consultant to provide support services during construction. PSAs are used for planning studies and other consultant assignments. There are currently 18 firms with active engineering services agreements, not including firms with Master Agreements.

Master Agreements are issued to a pool of pre-qualified consultants for smaller projects. On those smaller projects, OC San solicits task order proposals from three or four of the firms and awards a task order to the most qualified consultant. There are currently four sets of Master Agreements.

- 2012 Master Design Agreements (expired)
- 2017 Master Agreements for Wastewater Treatment Planning Studies (expired)
- 2018 Master Design Agreements (expired)
- 2020 Master Agreements for On-Call Planning Studies
- 2021 Master Design Agreements

The two Master Design Agreement from 2012 and 2018, and the 2018 Master Agreements for Wastewater Planning Studies have expired, meaning no new task orders can be issued under them, but previously-issued task orders remain active until completed. The 2021 Master Design Agreement became effective on July 1st, but no task orders have been issued yet. Task Orders are limited by OC San Ordinance No. OCSD-52 to \$300,000 per task order.

A status table for all Active Engineering Services Agreements (PDSAs and PCSAs) is attached under Table 5, and a status table for all Active Task Orders by Master Agreement is attached under Table 6 (Master Agreements).

Table 5 - Active Engineering Services Agreements as of 6/30/2021

| | | | rable 5 - Active Eligilieerin | Ÿ | Biccincin | | | | | | | |
|------------|-----------------------------------------------------------------------------------------------------------|-------------|----------------------------------------|---------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------------------------------------|-------------------------|------------------------|---------------------|--------------------------------------------------|
| Project / | Contract | Туре | Consultant | Award Date | % Complete | Board Award Amount | Amendments | Current Contract Amount | Original Contingency | Current Contingency | Contingency Used | Contingency Remaining |
| 2-49 | Taft Branch Improvements | | | | | | | | | | | |
| | 2-49 Taft Branch Improvements | PDSA | Woodward and Curran | 02/03/2021 | 0% | \$2,200,000 | \$26,000 | \$2,226,000 | 10.0% | 10.0% | 1.2% | 8.8% |
| 2-72 | Newhope-Placentia Trunk Replacement | | | | | | | | | | | |
| | 2-72 Newhope-Placentia Trunk Replacement | PCSA | Lee & Ro | 03/23/2016 | 22% | \$3,253,946 | \$0 | \$3,253,946 | 10.0% | 10.0% | 0.0% | 10.0% |
| 3-62 | Westminster Blvd Force Main Replacement | | 200 0 110 | 05/25/2010 | 2270 | ψ <i>σ</i> ,2 <i>σσ</i> , <i>σ</i> .σ | Ţ. | ψ3,233,3 TO | 20.070 | 10.070 | 0.070 | 20.070 |
| 3 02 | 3-62 Westminster Blvd Force Main Replacement | DCSA | Stantec Consulting Services, Inc. | 12/18/2019 | 11% | \$1,183,000 | \$0 | \$1,183,000 | 10.0% | 10.0% | 0.0% | 10.0% |
| 3-64 | Rehabilitation of Western Regional Sewers | rcsA | Stantec consulting services, inc. | 12/18/2013 | 1170 | 71,183,000 | ŞÜ | 71,163,000 | 10.070 | 10.070 | 0.070 | 10.070 |
| 3-04 | - | DDCA | AFCOM Technical Comitoes Inc | 04 /27 /2016 | 620/ | Ć17 C20 250 | 6405.050 | Ć17 025 100 | 10.00/ | 10.00/ | 1.10/ | 0.00/ |
| | 3-64 Rehabilitation of Western Regional Sewers | | AECOM Technical Services, Inc. | 01/27/2016 | 63% | \$17,639,250 | \$195,850 | \$17,835,100 | 10.0% | 10.0% | 1.1% | 8.9% |
| | 3-64B Los Alamitos Trunk Sewer Rehabilitation | PCSA | AECOM Technical Services, Inc. | 05/26/2021 | 0% | \$610,000 | \$0 | \$610,000 | 10.0% | 10.0% | 0.0% | 10.0% |
| 3-67 | Seal Beach Pump Station Replacement | | | | | | | | | | | |
| | 3-67 Seal Beach Pump Station Replacement | PDSA | Lee & Ro | 11/20/2019 | 26% | \$5,947,850 | \$0 | \$5,947,850 | 10.0% | 10.0% | 0.0% | 10.0% |
| 5-67 | Bay Bridge Pump Station Replacement | | | | | | | | | | | |
| | 5-67 Bay Bridge Pump Station Replacement | PDSA | Arcadis US Inc. | 10/25/2017 | 10% | \$7,137,000 | \$1,750,315 | \$8,887,315 | 10.0% | 35.0% | 24.5% | 10.5% |
| 5-68 | Newport Beach Pump Station Pressurization Improvement | ents | | | | | | | | | | |
| | 5-68 Newport Beach Pump Station Pressurization | PDSA | Dudek | 05/06/2020 | 26% | \$542,988 | \$0 | \$542,988 | 10.0% | 10.0% | 0.0% | 10.0% |
| | Improvements | | | | | , , , , , , , , , , , , , , , , , , , , | | , , , , , , , , , , , , , , , , , , , , | | | | |
| 7-65 | Gisler - Red Hill Interceptor Rehabilitation | | | 1 | 1 | | | | 1 | 1 | <u> </u> | |
| , 03 | 7-65 Gisler - Red Hill Interceptor Rehabilitation | DUCV | CDM Smith Inc. | 09/23/2020 | 13% | \$1,754,000 | \$14,739 | \$1,768,739 | 10.0% | 10.0% | 0.8% | 9.2% |
| 7.66 | | FUSA | CDIVI SIMICII IIIC. | 03/23/2020 | 13/0 | \$1,734,000 | \$14,739 | \$1,700,739 | 10.070 | 10.076 | 0.6/0 | 3.2/0 |
| 7-66 | Sunflower and Red Hill Interceptor Repairs | 555 | CUP | 00/05/05:5 | 720/ | 4200 7:- | 6445:0 | 4222.5.5 | 10.00/ | 10.00/ | 4.70/ | |
| | 7-66 Sunflower and Red Hill Interceptor Repairs | PDSA | GHD | 09/25/2019 | 73% | \$308,712 | \$14,548 | \$323,260 | 10.0% | 10.0% | 4.7% | 5.3% |
| 7-68 | MacArthur Force Main Improvements | | | | | | | | | | | |
| | 7-68 MacArthur Force Main Improvements | PDSA | Michael Baker International, Inc. | 05/26/2021 | 0% | \$500,000 | \$0 | \$500,000 | 10.0% | 10.0% | 0.0% | 10.0% |
| J-117 | Ocean Outfall System Rehabilitation | | | | | | | | | | | |
| | J-117B Outfall Low Flow Pump Station | PCSA | Brown and Caldwell | 12/19/2018 | 32% | \$8,563,913 | \$346,857 | \$8,910,770 | 10.0% | 10.0% | 4.1% | 5.9% |
| J-124 | Digester Gas Facilities Replacement | | | | | | | | | | | |
| | J-124 Digester Gas Facilities Replacement | PDSA | Brown and Caldwell | 11/15/2017 | 70% | \$11,770,000 | \$903,117 | \$12,673,117 | 10.0% | 10.0% | 7.7% | 2.3% |
| J-126 | Safety Improvements Program | 1.20/1 | Brown and calavier | 11/15/2017 | 7070 | ψ11,770,000 | \$500,11 7 | ψ12,073,117 | 20.070 | 10.070 | 7.770 | 2.070 |
| 7 120 | J-126 Safety Improvements Program | DDCA | Arcadis | 08/29/2016 | 89% | **\$3,040,000 | \$0 | \$3,040,000 | 10.0% | 10.0% | 0.0% | 10.0% |
| | | PDSA | Arcauis | 08/29/2016 | 89% | 33,040,000 | ŞU | \$3,040,000 | 10.0% | 10.0% | 0.0% | 10.0% |
| J-98 | J-98 Electrical Power Distribution System Improvements Electrical Power Distribution System Improvements | ements PDSA | Brown and Caldwell | 01/29/2020 | 22% | \$2,240,000 | \$0 | \$2,240,000 | 10.0% | 10.0% | 0.0% | 10.0% |
| M-RESEA | ARCH - Research Program | | | | | | | | | | | |
| W KESEA | RE17-02 Biogas Scrubber Evaluation | PSA | Carollo Engineers, Inc. | 04/21/2017 | 88% | \$656,783 | \$63,097 | \$719,880 | 15.0% | 15.0% | 9.6% | 5.4% |
| M CTUDU | IES Planning Studies Program | FJA | Carollo Engineers, Inc. | 04/21/2017 | 00/0 | \$030,763 | 303,037 | \$715,000 | 13.0% | 13.0% | 3.076 | 3.470 |
| IVI-310DII | | 20.4 | | 44 /00 /0047 | 700/ | 4505.040 | 60 | 4505.043 | 10.0% | 10.0% | 0.00/ | 10.00/ |
| | PS15-02 Edinger Pump Station Rehabilitation Study | PSA | Lockwood, Andrews & Newman, Inc. | 11/09/2017 | 78% | \$505,042 | \$0 | \$505,042 | | | 0.0% | 10.0% |
| | PS17-03 Active Fault Location Study at Plant No. 2 | PSA | Lettis Consultants International, Inc. | 03/06/2019 | 41% | \$868,286 | \$12,500 | \$880,786 | 10.0% | 10.0% | 1.4% | 8.6% |
| | PS18-09 Ocean Outfall Condition Assessment and Sco Study | oping PSA | Carollo Engineers, Inc. | 03/25/2020 | 51% | \$2,744,000 | \$0 | \$2,744,000 | 10.0% | 10.0% | 0.0% | 10.0% |
| P1-101 | Sludge Dewatering and Odor Control at Plant 1 | | | | | | | | | | | |
| | P1-101 Sludge Dewatering and Odor Control at Plan | t 1 PCSA | HDR Engineering, Inc. | 06/28/2012 | 99% | \$7,140,000 | \$2,453,653 | \$9,593,653 | 8.0% | 35.0% | 34.4% | 0.6% |
| P1-105 | Headworks Rehabilitation at Plant 1 | | | | | | | | | | | |
| | P1-105 Headworks Rehabilitation at Plant 1 | PCSA | Carollo Engineers, Inc. | 03/02/2021 | 0% | \$16,500,000 | \$0 | \$16,500,000 | 10.0% | 10.0% | 0.0% | 10.0% |
| | P1-105 Headworks Rehabilitation at Plant 1 | | Carollo Engineers, Inc. | 05/27/2015 | 95% | \$17,528,957 | \$8,059,598 | \$25,588,555 | 10.0% | 51.0% | 46.0% | 5.0% |
| P1-128 | Headquarters Complex | 1.55/ | | ,, | | , ,, , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , , | ,, | +==,===,333 | | | | |
| . 1 120 | P1-128 Headquarters Complex | DUCV | HDR Engineering, Inc. | 06/22/2016 | 8% | \$11,785,709 | \$1,148,553 | \$12,934,262 | 10.0% | 10.0% | 9.7% | 0.3% |
| | | | | | | | | | | | | |
| | P1-128C Headquarters Complex Site Preparation | | HDR Engineering, Inc. | 07/01/2020 | 15% | \$178,000 | \$0 \$0 | \$178,000 | 10.0% | 10.0% | 0.0% | 10.0% |
| | P1-128A Headquarters Complex at Plant No. 1 | | HDR Engineering, Inc. | 05/26/2021 | 0% | \$4,900,000 | \$0 | \$4,900,000 | 10.0% | 10.0% | 0.0% | 10.0% |
| | P1-128A Headquarters Complex at Plant No. 1 | | AECOM Technical Services, Inc. | 04/28/2021 | 0% | \$6,750,000 | \$0 | \$6,750,000 | 10.0% | 10.0% | 0.0% | 10.0% |
| P1-129 | Return Activated Sludge Piping Replacement at Activate | | | | | | | | | | | |
| | P1-129 Return Activated Sludge Piping Replacement | t at PCSA | AECOM Technical Services, Inc. | 07/24/2019 | 86% | \$140,000 | \$0 | \$140,000 | 10.0% | 10.0% | 0.0% | 10.0% |
| | Activated Sludge Plant No. 1 | | | | | | | ĺ | | 1 | 1 | 1 , |
| P1-132 | Uninterruptable Power Supply Improvements at Plant 1 | | | İ | İ | | İ | 1 | İ | İ | İ | |
| . 1 101 | P1-132 Uninterruptable Power Supply Improvement | | Tetra Tech, Inc. | 10/23/2019 | 44% | \$784,680 | \$0 | \$784,680 | 10.0% | 10.0% | 0.0% | 10.0% |
| D1 133 | | | t No. 1 | 1 | ł | | 1 | | | | | |
| P1-133 | Primary Sedimentation Basins No. 6-31 Reliability Impro | | | 00/05/25 | 70 | 44.0.0.00 | 1- | 44 | 40.551 | 40.77 | 0.77 | 10.55 |
| | P1-133 Primary Sedimentation Basins No. 6-31 Relia Improvements at Plant No. 1 | PDSA | Carollo Engineers, Inc. | 09/25/2019 | 78% | \$1,219,667 | \$0 | \$1,219,667 | 10.0% | 10.0% | 0.0% | 10.0% |
| P2-92 | Sludge Dewatering and Odor Control at Plant 2 | | | | | | | | | | | |
| | P2-92 Sludge Dewatering and Odor Control at Plan | t 2 PCSA | Brown and Caldwell | 12/17/2014 | 94% | \$4,798,328 | \$0 | \$4,798,328 | 10.0% | 10.0% | 0.0% | 10.0% |
| | | | | - | | | | | | | | |

Table 5 - Active Engineering Services Agreements as of 6/30/2021

| | | | | | Award | | Board Award | | Current Contract | Original | Current | Contingency | Contingency |
|-----------|--------------|----------------------------------------------------------------------------------------|--------|-----------------------------------|------------|------------|---------------|--------------|-------------------------|-------------|-------------|-------------|-------------|
| Project / | Contract | | Type | Consultant | Date | % Complete | Amount | Amendments | Amount | Contingency | Contingency | Used | Remaining |
| P2-98 | Primary Tr | eatment Rehabilitation at Plant No. 2 | | | | | | | | | | | |
| | P2-98 | Primary Treatment Rehabilitation at Plant No. 2 | PDSA | Black & Veatch | 07/27/2016 | 47% | \$18,141,423 | \$1,593,582 | \$19,735,005 | 10.0% | 10.0% | 8.8% | 1.2% |
| | P2-98A | A-Side Primary Clarifiers Replacement at Plant 2 | PCSA | Black & Veatch | 05/26/2021 | 0% | \$8,400,000 | \$0 | \$8,400,000 | 10.0% | 10.0% | 0.0% | 10.0% |
| | P2-98B | B/C-Side Primary Clarifiers Interim Repair at Plant 2 | PCSA | Black & Veatch | 01/23/2019 | 42% | \$549,534 | \$0 | \$549,534 | 10.0% | 10.0% | 0.0% | 10.0% |
| P2-122 | Headwork | s Modifications at Plant No. 2 for GWRS Final Expansion | l n | | | | | | | | | | |
| | P2-122 | Headworks Modifications at Plant No. 2 for GWRS Final Expansion | PCSA | CDM Smith Inc. | 01/15/2020 | 23% | \$2,200,000 | \$0 | \$2,200,000 | 10.0% | 10.0% | 0.0% | 10.0% |
| P2-123 | Return Act | tivated Sludge Piping Replacement at Plant 2 | | | | | | | | | | | |
| | P2-123 | Return Activated Sludge Piping Replacement at Plant 2 | PCSA | SPEC Services, Inc. | 09/25/2019 | 62% | \$252,329 | \$0 | \$252,329 | 10.0% | 10.0% | 0.0% | 10.0% |
| P2-124 | Interim Fo | od Waste Receiving Facility | | | | | | | | | | | |
| | P2-124 | Interim Food Waste Receiving Facility | PDSA | Kennedy/Jenks Consultants | 09/05/2018 | 100% | \$695,000 | \$31,168 | \$726,168 | 10.0% | 10.0% | 4.5% | 5.5% |
| P2-126 | Warehouse | e, Electrical Substation and 12kV Service Center Replac | ement | at Plant No. 2 | | | | | | | | | |
| | P2-126 | Warehouse, Electrical Substation and 12kV Service Center Replacement at Plant No. 2 | PDSA | Stantec Consulting Services, Inc. | 11/18/2020 | 0% | \$4,876,455 | \$92,760 | \$4,969,215 | 10.0% | 10.0% | 1.9% | 8.1% |
| P2-128 | TPAD Dige | ster Facility at Plant 2 | | | | | | | | | | | |
| | P2-128 | TPAD Digester Facility at Plant 2 | PDSA | Brown and Caldwell | 06/23/2020 | 4% | \$39,300,000 | \$0 | \$39,300,000 | 10.0% | 10.0% | 0.0% | 10.0% |
| SP-196 | Process Co | ntrol Systems Upgrades Study | | | | | | | | | | | |
| | SP-196 | Process Control Systems Upgrades Study | PSA | Stantec Consulting Services, Inc. | 03/01/2018 | 76% | \$1,389,866 | \$108,966 | \$1,498,832 | 10.0% | 10.0% | 7.8% | 2.2% |
| Operatio | nally Funded | Projects | | | | | | | | | | | |
| | FR1-0007 | Control Center Offices and Day Training Room Remodeling at Plant No. 1 | PSA | AECOM Technical Services, Inc. | 01/15/2020 | 8% | \$81,351 | \$0 | \$81,351 | 0.0% | 0.0% | 0.0% | 0.0% |
| | • | | | | Total | | \$219.076.069 | \$16,815,303 | \$235,891,372 | | | | |

^{**} Original Award was \$1,540,000, and later amended to \$3,040,000 by Board Action

Table 6 - Active Task Orders by Master Agreement as of 6/30/2021

| Master Agreement / Project | Consultant | Award Date | Original Task Order Value | Amendments | Current Task Order Value |
|-------------------------------------------------------------------------------------------|-----------------------|------------|------------------------------|------------|-----------------------------|
| 2012 Master Professional Design Service Agreements (Expired) | | | | | |
| FE10-21 Area 02 Craig Regional Park Manhole Improvements | GHD | 10/8/2012 | \$58,440 | \$41,560 | \$100,000 |
| 2017 Master Agreements for Wastewater Treatment Planning Studies | | | | | |
| PS18-11 ETAP Model Updates for Plant Nos 1 and 2 | Brown and Caldwell | 3/17/2020 | \$227,412 | \$0 | \$227,412 |
| PS19-03 Laboratory Rehabilitation Feasibility Study | HDR Engineering, Inc. | 10/20/2020 | \$274,888 | \$0 | \$274,888 |
| 2018 Master Professional Design Service Agreements | | | | | |
| FR2-0013 Trickling Filter Sludge Pump Room Exhaust Fan Relocation at Plant No. 2 | AECOM | 11/6/2019 | \$75,120 | \$0 | \$75,120 |
| FE19-02 Cengen Plant Water Pipe Replacement at Plant No. 1 | AECOM | 04/30/2020 | \$156,498 | \$0 | \$156,498 |
| FE19-11 Primary Clarifiers Nos. 6-31 Lighting and Alarm Improvements at Plant No. 1 | AECOM | 9/15/2020 | \$226,685 | \$6,137 | \$232,822 |
| FE19-13 VFD Replacements at Seal Beach Pump Station | AECOM | 3/12/2021 | \$78,033 | \$0 | \$78,033 |
| FE20-01 Wastehauler Station Safety and Security Improvements | AECOM | 3/12/2021 | \$161,012 | \$0 | \$161,012 |
| FR2-0022 Digester O Structural Repairs at Plant No. 2 | AECOM | 4/6/2021 | \$46,115 | \$0 | \$46,115 |
| J-127 Natural Gas Pipelines Replacement at Plant Nos. 1 and 2 | Black & Veatch | 1/21/2019 | \$271,964 | \$28,036 | \$300,000 |
| FE19-03 Trickling Filter Sludge and Scum Pumps Replacement at Plant No. 1 | Black & Veatch | 9/1/2020 | \$244,728 | \$0 | \$244,728 |
| FR1-0011 VFD Replacements at Plant No. 1 | Black & Veatch | 3/30/2021 | \$283,000 | \$0 | \$283,000 |
| Plant Water Pipeline Replacement in Kinnison, Lindstrom, and Scott Tunnels at Plant No. 2 | Dudek | 11/6/2019 | \$108,308 | \$0 | \$108,308 |
| P1-135 Digester Ferric Chloride Piping Replacement at Plant No. 1 | Dudek | 2/19/2020 | \$127,174 | \$0 | \$127,174 |
| FE20-04 Cengen Cooling Water Pipe Replacement at Plant No. 2 | Dudek | 5/18/2021 | \$240,000 | \$0 | \$240,000 |
| FE20-08 Olive Sub-Trunk Siphon Rehabilitation at Santa Ana River | Dudek | 6/15/2021 | \$240,000 | \$0 | \$240,000 |
| FE18-16 Truck Loading Basement Drain Modifications at Plant No. 1 | GHD, Inc. | 12/4/2019 | \$70,130 | \$18,365 | \$88,495 |
| FE18-13 Redhill Relief Sewer Relocation at State Route 55 | GHD, Inc. | 3/27/2020 | \$168,612 | \$54,883 | \$223,495 |
| FE19-10 Digesters C, D, F, G, and I Gas Balance Lines Replacement at Plant No. 2 | GHD, Inc. | 1/19/2021 | \$25,000 | \$21,000 | \$46,000 |
| FE20-07 Santa Ana Trunk Rehabilitation at Plant No. 1 | GHD, Inc. | 5/4/2021 | \$100,625 | \$0 | \$100,625 |

Table 6 - Active Task Orders by Master Agreement as of 6/30/2021

| er Agreement | t / Project | Consultant | Award Date | Original Task Order Value | Amendments | Current Task Order Value |
|--------------|--------------------------------------------------------------------------------------|-----------------------|------------|------------------------------|------------|-----------------------------|
| FE20-03 | Return Activated Sludge Discharge Piping Replacement at Activated Sludge Plant No. 1 | GHD, Inc. | 6/15/2021 | \$249,000 | \$0 | \$249,000 |
| FRC-0009 | Bitter Point Trunk Sewer Repair at Bitter Point Pump Station | GHD, Inc. | 6/15/2021 | \$159,451 | \$0 | \$159,451 |
| FE18-19 | 12KV Distribution Center B and East RAS Pump Station Roof Replacement | HDR Engineering, Inc. | 09/16/2019 | \$74,771 | \$8,672 | \$83,443 |
| FE18-20 | Blower Building No. 1 Air Compressors at Plant No. 1 | HDR Engineering, Inc. | 8/18/2020 | \$243,954 | \$0 | \$243,954 |
| FE20-02 | Digester C, D, F, and G Mechanical Rehabilitation at Plant No. 2 | HDR Engineering, Inc. | 3/2/2021 | \$188,212 | \$0 | \$188,212 |
| FE18-15 | Plant Boiler System Relief at Plant No. 2 | IDS Group, Inc. | 10/22/2019 | \$23,299 | \$0 | \$23,299 |
| FE18-06 | CenGen Instrument Air Compressors Replacement at Plant No. 1 and No. 2 | IDS Group, Inc. | 04/28/2020 | \$89,876 | \$0 | \$89,876 |
| FE19-06 | EPSA Motor Cooling Improvements at Plant No. 2 | IDS Group, Inc. | 05/05/2020 | \$88,206 | \$0 | \$88,206 |
| FE20-09 | CenGen Smoke Detection Improvements at Plant No. 1 and No. 2 | IDS Group, Inc. | 6/15/2021 | \$63,275 | \$0 | \$63,275 |
| FE20-05 | Plant Water Piping Replacement at Secondary Clarifiers 1-26 at Plant No. 1 | IDS Group, Inc. | 6/15/2021 | \$186,626 | \$0 | \$186,626 |
| Master Agree | ements for On-Call Planning Studies | | | | | |
| PS20-04 | Power Generation Overhaul Feasibility Study | Brown and Caldwell | 4/6/2021 | \$122,748 | \$0 | \$122,748 |
| RE20-02 | Chemical Resilience Study | Hazen and Sawyer | 6/1/2021 | \$278,784 | \$0 | \$278,784 |
| | | | Total | \$4,951,946 | \$178,653 | \$5,130,599 |



For the Period Ending June 30, 2021

PART 3 - MASTER BUDGET PROJECTS

The Board-adopted budget for Fiscal Years 2018-19 and 2019-20 includes master program budgets that allow staff to more quickly initiate, execute, and manage smaller projects that fit within the scope of a particular program. The projects chartered under these program budgets are referred to as sub-projects and are managed to the same standards as projects specifically listed in the adopted budget. A status table for each of these programs listing the sub-projects is attached.

| Master Program Title | Status Table |
|------------------------------------------|--------------|
| Planning Studies Program | Table 7 |
| Research Program | Table 8 |
| Small Construction Projects Program | Table 9 |
| Information Technology Capital Program | Table 10 |
| Operations & Maintenance Capital Program | Table 11 |

Table 7 - Planning Studies Status Report

| Project Number | Project Name | Status | Allo | cated Budget |
|--------------------|------------------------------------------------------------------|--------|------|--------------|
| PS15-02 | Edinger Pump Station Rehabilitation Study | Active | \$ | 971,000 |
| PS16-02 | SCE Feed Reliability Improvements Study | Active | \$ | 293,000 |
| PS17-03 | Active Fault Location Study at Plant No. 2 | Active | \$ | 1,300,000 |
| PS17-08 | CEQA - Facilities Master Plan | Closed | \$ | 999,966 |
| PS18-06 | Go/No-Go Lights and Signage | Active | \$ | 495,000 |
| PS18-09 | Ocean Outfall Condition Assessment and Scoping Study | Active | \$ | 3,340,000 |
| PS18-11 | ETAP Model Updates for Plant Nos 1 and 2 | Active | \$ | 428,000 |
| PS19-03 | Laboratory Rehabilitation Feasibility Study | Active | \$ | 450,000 |
| PS20-01 | O&M Complex and Collections Yard Relocation at Plant No. 2 | Active | \$ | 375,000 |
| PS20-02 | Collection System Flow Level Monitoring Study | Active | \$ | 575,000 |
| PS20-03 | Truck Loading Bay Odor Control Improvements Study at Plant No. 2 | Active | \$ | 200,000 |
| PS20-04 | Power Generation Overhaul Feasibility Study | Active | \$ | 200,000 |
| PS20-05 | Cen Gen Pressure Vessel Integrity Assessment at Plant Nos. 1 & 2 | Active | \$ | 400,000 |
| PS20-07 | College Pump Station Wet Well Condition Assessment Study | Active | \$ | 200,000 |
| PS20-08 | Euclid Trunk Sewer Hydraulic Modeling and Odor Control Analyses | Active | \$ | 500,000 |
| PS20-09 | Thickening & Dewatering Plant Water Study at Plant No. 1 | Active | \$ | 400,000 |
| Grand Total | | | \$ | 11,126,966 |
| Number of Charte | red Projects | | • | 16 |
| Board Approved P | rogram Budget | | \$ | 28,652,000 |
| Remaining Unalloc | cated Budget | | \$ | 17,525,034 |

Engineering Program Contract Performance Report for Quarter Ending 6/30/2021 Table 8 - Research Program Status Report

| Project Number | Project Name | Status | Allo | cated Budget |
|--------------------|---------------------------------------------------------|--------|------|--------------|
| RE17-02 | Biogas Scrubber Evaluation | Active | \$ | 865,000 |
| RE19-01 | Primary Scum Equipment Evaluation at Plant No. 1 | Active | \$ | 69,853 |
| RE20-01 | Co-Thickened Sludge Density Meter Trial atl Plant No. 1 | Active | \$ | 121,000 |
| RE20-02 | Chemical Resilience Study at Plant No.1 and 2 | Active | \$ | 329,996 |
| RE20-04 | Holding Digester 6 Solids Shredder Study at Plant No. 1 | Active | \$ | 95,000 |
| RE20-06 | Co-Thickened Sludge Pump Trial at Plant No. 1 | Active | \$ | 160,000 |
| Grand Total | | | \$ | 1,640,849 |
| Number of Charter | red Projects | | | 6 |
| Board Approved P | rogram Budget | | \$ | 8,500,000 |
| Remaining Unalloc | cated Budget | | \$ | 6,859,151 |

Table 9 - Small Construction Projects Program Status Report

| Project Number | Project Name | Status | Allo | cated Budget |
|-------------------------------|-------------------------------------------------------------------------------------------|--------|------|--------------|
| FE10-21 | Area 02 Craig Regional Park Manhole Improvements | Active | \$ | 1,359,000 |
| FE14-05 | Plant No. 1 Fleet Services UST Leak Remediation | Active | \$ | 1,487,311 |
| FE15-07 | Secondary Treatment and Plant Water VFD Replacement at Plant 1 | Closed | \$ | 2,800,988 |
| FE17-01 | Carbon Canyon Pipeline Sag Repairs | Active | \$ | 873,000 |
| FE17-03 | Battery Storage System at Plant No. 1 | Active | \$ | 650,000 |
| FE17-05 | Plant 1 ICS Network Extension | Active | \$ | 950,000 |
| FE18-06 | CenGen Instrument Air Compressors Replacement at Plant No. 1 | Active | \$ | 1,450,000 |
| FE18-08 | West Trunk Bypass Sewer Realignment | Active | \$ | 158,000 |
| FE18-11 | Headworks Explosive Gas Monitoring Systems at Plant No. 1 and No. 2 | Active | \$ | 470,000 |
| FE18-12 | Erosion Control at Santa Ana River and Hamilton Ave | Active | \$ | 330,000 |
| FE18-13 | Redhill Relief Sewer Relocation at State Route 55 | Active | \$ | 2,840,000 |
| FE18-14 | Plant Water Pipeline Replacement in Kinnison, Lindstrom, and Scott Tunnels at Plant No. 2 | Active | \$ | 1,895,000 |
| FE18-15 | Plant Boiler System Relief at Plant No. 2 | Active | \$ | 465,000 |
| FE18-16 | Truck Loading Basement Drain Modifications at Plant No. 1 | Active | \$ | 592,000 |
| FE18-17 | Trunkline Sampler Power Feed at Plant No 2 | Active | \$ | 248,993 |
| FE18-19 | 12KV Distribution B and East RAS Pump Station Roofing Replacement | Active | \$ | 1,188,000 |
| FE18-20 | Blower Building No. 1 Air Compressors at Plant No. 1 | Active | \$ | 1,200,000 |
| FE19-01 | Pump Station Portable Generator Connectors | Active | \$ | 2,570,000 |
| FE19-02 | Cengen Plant Water Pipe Replacement at Plant No. 1 | Active | \$ | 2,250,000 |
| FE19-03 | Trickling Filter Sludge and Scum Pumps Replacement at Plant No. 1 | Active | \$ | 3,200,000 |
| FE19-04 | Sunflower Pump Replacement at Plant No. 1 | Active | \$ | 6,300,000 |
| FE19-06 | EPSA Motor Cooling Improvements at Plant No. 2 | Active | \$ | 1,475,000 |
| FE19-08 | Secondary Treatment VFD Replacements at Plant No. 2 | Active | \$ | 3,337,000 |
| FE19-09 | Newhope - Placentia Trunk Grade Separation Replacement Repairs | Active | \$ | 500,000 |
| FE19-10 | Digesters C, D, F, G and I Gas Balance Lines Replacement at Plant No. 2 | Active | \$ | 300,000 |
| FE19-11 | Primary Clarifiers Nos. 6-31 Lighting and Alarm Improvements at Plant No. 1 | Active | \$ | 1,250,000 |
| FE19-12 | Rebuild Shop Fume Extractor Installation at Plant No 1 | Active | \$ | 445,000 |
| FE19-13 | VFD Replacements at Seal Beach Pump Station | Active | \$ | 690,000 |
| FE20-01 | Wastehauler Station Safety and Security Improvements | Active | \$ | 830,000 |
| FE20-02 | Digester C, D, F, and G Mechanical Rehabilitation at Plant No. 2 | Active | \$ | 2,800,000 |
| FE20-03 | Return Activated Sludge Discharge Piping Replacement at Activated Sludge Plant No. 1 | Active | \$ | 4,250,000 |
| FE20-04 | Cengen Cooling Water Pipe Replacement at Plant No. 2 | Active | \$ | 3,500,000 |
| FE20-05 | Plant Water Piping Replacement at Secondary Clarifiers 1-26 at Plant No. 1 | Active | \$ | 1,545,000 |
| FE20-06 | Thickening and Dewatering Building Pipe Support Improvements at Plant No. 1 | Active | \$ | 1,500,000 |
| FE20-07 | Santa Ana Trunk Rehabilitation at Plant No. 1 | Active | \$ | 1,240,000 |
| FE20-08 | Olive Sub-Trunk Siphon Rehabilitation at Santa Ana River | Active | \$ | 1,850,000 |
| FE20-09 | CenGen Smoke Detection Improvements at Plant No. 1 and No. 2 | Active | \$ | 600,000 |
| FE20-10 | Adolfo Lopez Chemical Dosing Station Installation | Active | \$ | 1,000,000 |
| Grand Total | - | | \$ | 60,389,292 |
| Number of Charter | red Projects | | | 38 |
| Board Approved Program Budget | | | \$ | 90,000,000 |
| Remaining Unallocated Budget | | | \$ | 29,610,708 |

Table 10 - Information Technology Capital Program Status Report

| Project Number | Project Name | Status | Allo | cated Budget |
|-------------------------------|------------------------------------------------------------------------------------------|--------|------|--------------|
| IT16-11 | Business Continuity Plan | Closed | \$ | 117,600 |
| IT17-06 | Printer Obsolescence | Closed | \$ | 335,141 |
| IT17-07 | Safety Management Suite | Closed | \$ | 95,900 |
| IT17-10 | Electronic Operator Round Form | Active | \$ | 45,000 |
| IT17-12 | Sever/Network Power Improvements | Active | \$ | 90,000 |
| IT17-14 | Specialized Application Programing & Support | Closed | \$ | 114,296 |
| IT18-03 | Timecard Systems Upgrade | Closed | \$ | 78,696 |
| IT18-09 | Records Management Information System | Active | \$ | 150,000 |
| IT18-10 | Board Services Management System | Closed | \$ | 50,596 |
| IT19-01 | IT Safety VPP Systems (IT19-01) | Active | \$ | 210,000 |
| IT19-05 | IT P1 & P2 Data Refresh (IT19-05) | Active | \$ | 500,000 |
| IT20-04 | Cyber Security Program (IT20-04) 6520004 | Active | \$ | 150,000 |
| IT20-05 | Client Management Modernization (ICE-69_IT20-05) 6520005 | Active | \$ | 99,000 |
| IT20-06 | Nintex Workflow Cloud Implementation (ICE-75_IT20-06) 6520006 | Active | \$ | 350,000 |
| IT20-07 | Professional Services for Valo/SharePoint (ICE-74_IT20-07) 6520007 | Active | \$ | 100,000 |
| IT20-08 | Field Computer for Nerissa and Interface with LIMS(ICE-68_IT20-07) 6520008 | Active | \$ | 121,000 |
| IT20-09 | ITSM Migration (ICE-70_IT20-09) 6520009 | Active | \$ | 275,000 |
| IT20-10 | Digitize Quality Assurance Tracking Processes /TNI/ELAP StandardsICE-76_IT20-10) 6520010 | Active | \$ | 145,700 |
| IT20-11 | Sewer Agency Fee System 2 (SAFS 2) Upgrade (ICE-77 IT20-11) 6520011 | Active | \$ | 42,042 |
| IT20-12 | Web-based Cloud Proxy Security with an Isolation Platform (ICE-78_6520012) | Active | \$ | 50,000 |
| Grand Total | | | \$ | 3,119,971 |
| Number of Charte | red Projects | | | 20 |
| Board Approved Program Budget | | | \$ | 10,000,000 |
| Remaining Unallocated Budget | | | \$ | 6,880,029 |

Table 11 - Operations & Maintenance Capital Program Status Report

| Project Number | Project Name | Status | Allo | cated Budget |
|-------------------------------|-----------------------------------------------------------------------------|--------|------------|--------------|
| MP-276-1 | Central Generation Engine Overhauls at Plant No. 1 and Plant No. 2 | Active | \$ | 5,900,000 |
| SC17-01 | CENGEN #1 Elevator Rehab | Active | \$ | 110,020 |
| SC17-03 | CenGen Oil Filter Platform | Active | \$ | 275,000 |
| SC18-01 | P1 Primary Clarifier Fall Protection Improvements | Active | \$ | 50,000 |
| SC18-05 | P1 Laboratory HVAC Boiler Burner Replacement At Plant No.1 | Active | \$ | 455,000 |
| SC18-08 | MacArthur Pump Station - FM Valve Replacement | Active | \$ | 71,068 |
| SC18-09 | Admin Bldg UPS System Replacement | Active | \$ | 81,332 |
| SC19-02 | Truck Loading-Conveyors 3&6 (SC19-02) | Active | \$ | 205,300 |
| SC19-03 | Return Activated Sludge Pump Station Elevator Rehabilitation at Plant No. 2 | Active | \$ | 890,000 |
| SC19-05 | as the Lido PS UPS Replacement | Active | \$ | 55,000 |
| SC19-06 | EPSA Standby Power Generator Control Upgrades at Plant No. 2 | Active | \$ | 1,600,000 |
| SC19-07 | Sunflower Pump Station Gearbox Swing Unit Purchase | Active | \$ | - |
| SC20-02 | Ocean Outfall Booster Station Elevator Rehabilitation | Active | \$ | 410,000 |
| Grand Total | | | \$ | 10,102,720 |
| Number of Charter | red Projects | | • | 13 |
| Board Approved Program Budget | | \$ | 15,622,000 | |
| Remaining Unallocated Budget | | \$ | 5,519,280 | |



For the Period Ending June 30, 2021

PART 4 - SUPPLEMENTAL ENGINEERING SERVICES CONTRACT

In May 2016, OC San Board of Directors approved a \$41 million professional services agreement with Jacobs Project Management Co. to provide supplemental engineering and support staff services for a four-year term with the option of three one-year renewals. The benefits of using a supplemental engineering services contract, as opposed to hiring full-time staff or limited-term employees, include rapid mobilization of highly skilled/technical staff, flexibility to change the mix of staff positions on an immediate and as-needed basis, the ability to reduce staff as workloads decrease, access to technical experts to support special tasks, and access to staff with wastewater project experience.

A status table for the supplemental engineering services contract summary is attached under Table 12, and the supplemental engineering services labor summary can be found under Table 13.

Table 12 – Supplemental Engineering Services Contract Status

| | Total Fees | Time | |
|-----------------|------------------|---------------|--|
| Contract | \$41,000,000 | 86 months (1) | |
| Actuals to Date | \$25,919,471 63% | 62 months 72% | |
| Remaining | \$15,080,529 37% | 24 months 28% | |

⁽¹⁾ Assuming two more 1-year extensions

Table 13 - Supplemental Engineering Services Labor Summary

| | This Quarter | Inception to Date |
|---------------------------|--------------|-------------------|
| Labor Hours | 7,790 | 192,002 |
| Full Time Equivalents | 17.3 | 20.6 |
| Labor Costs (no expenses) | \$1,147,541 | \$25,395,761 |
| Average Hourly Rate | \$147 | \$132 |