



**FACILITIES DEVELOPMENT AND OPERATIONS COMMITTEE  
AND SPECIAL BOARD OF DIRECTORS MEETING**

**Date:** Wednesday, March 9, 2022 **Time:** 4:00 pm

**Location:** Customer Service Center, Board Room, 9300 Fanita Parkway, Santee  
and GoToWebinar Videoconference

**Committee Members:** Director Peasley, Chair  
Director Pommering

**Staff Members:** Allen Carlisle, CEO/General Manager  
Kyle Swanson, Assistant General Manager  
Paul Clarke, Director of Operations and Water Quality  
Mark Niemiec, Director of AWP  
Dennis Lamb, Interim Director of Engineering  
Rob Northcote, Plant Manager  
Michael Hindle, Engineering Manager  
Jimmy Vargas, Operations Manager  
Tony Mendoza, Engineering Supervisor

**Committee Purpose:** The purpose of the Facilities Development & Operations Committee is to develop, for the Board's consideration at a future board meeting: A) Policies for the implementation of programs and facilities required to ensure reliable and cost effective water service, recycled water service, and wastewater service systems for District customers; B) Policies relative to long range planning, supply development, environmental interests of the District, and oversee implementation of those policies; C) Policies to sustain the District's mission to provide safe and reliable water supplies, water recycling supplies, and wastewater operations; and D) Policies to support implementation of the strategic plan.

**Committees of the Board:**

Committees of less than a quorum of the Board may be created to study and advise the full Board regarding certain areas of concern.

Directors that are not on the committee may attend only as observers unless the agenda indicates that a special board meeting has also been noticed as required by law, at which the Board will discuss items on the agenda but not take any action. Whenever a standing committee meeting is also noticed as a special Board meeting, it shall be conducted as a committee meeting and Directors that are not on the committee may participate in discussions upon recognition by the committee chair, but only members of the committee are entitled to make, second or vote on any motion of the committee. Any actions taken by the committee pursuant to the posted agenda shall be deemed recommendations of the committee for the full Board to consider at a future Board meeting.

The Board retains all powers, privileges and duties to exercise and perform the business of the District, and committees of the Board are not empowered to act for the Board. Committee meetings are subject to the Ralph M. Brown Act. Full Board discussion and public comment on committee recommendations shall be encouraged prior to Board action.

**AGENDA**  
**WEDNESDAY, MARCH 9, 2022 – 4:00 PM**

**NOTICE TO THE PUBLIC**

The meeting will be held at the appointed meeting place, the Board Room at the District’s Customer Service Center, located at 9300 Fanita Parkway in Santee.

The meeting is also being held virtually via GoToWebinar pursuant to recent amendments to the Brown Act permitting virtual meetings and waiving certain teleconference requirements under certain circumstances. Some Board Members may attend the meeting virtually pursuant to such Brown Act amendments.

**To watch via webinar click on the link below:**

<https://attendee.gotowebinar.com/register/8352863813659494160>

Webinar ID: 607-394-499

*After registering, you will receive a confirmation email containing information about joining the webinar.*

**To listen via teleconference dial:**

+1 (562) 247-8422

Access Code: 804-187-765#

*Enter # again when prompted for audio pin*

**PUBLIC COMMENT INSTRUCTIONS**

Members of the public may address the Board on any item on the agenda when the item is considered, or under “Opportunity for Public Comment” regarding items not on the posted agenda that are within the subject matter jurisdiction of the Board. If attending via GoToWebinar, attendees must click the hand raise icon within the meeting platform and will be called on to unmute themselves when it is their turn to speak. If attending in person, fill out a “request to speak” form located near the entrance of the board room and give to the Board Secretary. Public comments are limited to 3 minutes.

Public comments may also be submitted in writing through the [public comment e-form](#) at least a half hour prior to the start of the meeting or mailed to the attention of Amy Pederson, Padre Dam, PO Box 719003, Santee, CA 92072. These public comment procedures supersede the District’s normal public comment policies and procedures to the contrary.

The complete agenda package is available for public review at [www.PadreDam.org](http://www.PadreDam.org). No action may be taken on any item not appearing on the posted agenda, except as provided by Gov. Code Section 54954.2. Any written materials provided to the Board within 72 hours of the meeting regarding any item on this agenda will be available for public inspection on the District’s website. For questions or request for information related to this agenda contact Amy Pederson, Board Secretary, at 619.258.4614 or [apederson@padre.org](mailto:apederson@padre.org).

Upon request, this agenda will be made available in appropriate alternative formats to persons with disabilities, as required by Section 202 of the American with Disabilities Act of 1990. Any person with a disability who requires a modification or accommodation in order to participate in a meeting should contact our ADA Coordinator: Larry Costello at 619.258.4678 or [lcostello@padre.org](mailto:lcostello@padre.org).

## AGENDA

- **CALL TO ORDER**

- **PLEDGE OF ALLEGIANCE**

- **OPPORTUNITY FOR PUBLIC COMMENT**

Opportunity for members of the public to address the Board regarding items not appearing on this agenda and are within the jurisdiction of the Board (Gov. Code 54954.3)

- **ITEMS TO BE ADDED, WITHDRAWN OR REORDERED ON THE AGENDA**

- **REPORTS**

The following items are reports and are placed on the Agenda to provide information to the Board Committee and the public. There is no action called for on these items. The Board Committee may engage in discussion upon which a specific subject matter is identified but may not take any action other than to place the matter on a future agenda.

1. **CAPACITY STUDY AND CAPACITY FEE UPDATE (JN 221001)**

Recommendation:

Hear staff report on the preliminary analysis for the Capacity Fee Study.

2. **COST OF SERVICE STUDY UPDATE RELATED TO RECYCLED WATER OPERATION**

Recommendation:

Hear staff report on the Cost of Service Study analysis related to the Recycled Water Operation.

3. **DEVELOPMENT UPDATE**

Recommendation:

Hear staff report; no action required.

4. **CAPITAL IMPROVEMENT PROJECTS (CIP) CONSTRUCTION UPDATE**

Recommendation:

Hear staff report; no action required.

5. **UPDATE ON THE EAST COUNTY ADVANCED WATER PURIFICATION PROJECT**

Recommendation:

Hear staff report; no action required.

- **INFORMATIONAL REPORTS**

6. **CAPITAL IMPROVEMENT PROJECTS (CIP) CONSTRUCTION CONTINGENCY UPDATE**

Recommendation:

Note and file; informational report only.

7. **QUARTERLY CAPITAL IMPROVEMENT PROGRAM (CIP) PROJECTS BUDGET UPDATE**

Recommendation:

Note and file; informational report only.

- **DIRECTORS COMMENTS**


Directors' comments are to be related to District business which may be of interest to the Board. They are placed on the agenda to enable individual Board Members to convey information to the Board and the Public. There is to be no discussion or action taken on comments made by Board Members.

- **FUTURE AGENDA ITEMS**

- **ADJOURNMENT**

CERTIFICATION OF POSTING

I certify that on March 3, 2022 I posted a copy of the foregoing agenda at least 72 hours prior to the meeting, in accordance with Government Code Section 54954.2(a).

  
Amy Pederson, Board Secretary



**COMMITTEE AGENDA REPORT**

**Meeting Date:** 03-09-2022  
**Dept. Head:** Dennis Lamb  
**Submitted by:** Michael Hindle, PE  
**Department:** Engineering  
**Approved by:** Allen Carlisle, CEO/GM

**SUBJECT:** CAPACITY STUDY AND CAPACITY FEE UPDATE (JN 221001)

**RECOMMENDATION(S):**

Hear staff report on the preliminary analysis for the Capacity Fee Study.

**ALTERNATIVE(S):**

Do not hear staff report at this time on the preliminary analysis for the Capacity Fee Study.

**ATTACHMENT(S):**

None

**FUNDING:**

Requested amount: N/A  
Budgeted amount: \$115,000  
Are funds available?  Yes  No  
Project cost to date: \$65,917

**PRIOR BOARD/COMMITTEE CONSIDERATION:** 05-03-2017 – Public Hearings to Consider Adjustments to the Capacity Fees & 05-19-2021 – Award of Engineering Services Agreements for the Capacity Fee Study

**STRATEGIC PLAN IMPLEMENTATION:**

This agenda item is consistent with the District’s Strategic Plan and meets one or more of the following Strategic Goals: Provide safe, reliable water, recycled water and sewer services; Ensure fiscal health and competitively sustainable rates; Enhance customer communications and education; Increase water, wastewater and energy independence; Maintain workforce excellence; Expand park and recreation opportunities.

<b>Reviewed by:</b>	<b>Action Required:</b>	<b>Policy Updates:</b>	<b>Action Taken:</b>
Dept Head <input checked="" type="checkbox"/>	Motion <input type="checkbox"/>	Rules & Regulations <input type="checkbox"/>	As Recommended _____
Finance <input type="checkbox"/>	Resolution <input type="checkbox"/>	Standard Practices & Policies <input type="checkbox"/>	Reso/Ord. No. _____
Legal Counsel <input type="checkbox"/>	Ordinance <input type="checkbox"/>		Other _____
Standard Form <input type="checkbox"/>	None <input checked="" type="checkbox"/>		

**EXECUTIVE SUMMARY:**

Carollo Engineers, Inc. (Carollo) has completed the preliminary analysis for Padre Dam Municipal Water District's capacity fees. Here staff report on the preliminary findings.

**DESCRIPTION:**

The Padre Dam Municipal Water District's (District) water and sewer capacity fees ensure new customers are charged a fair and equitable proportional share of the infrastructure required to provide the necessary services. The District's current capacity fees were adopted on May 2, 2017, are reviewed quarterly, and adjustments are made, if required, in accordance with the District's Rules and Regulations Sections 3.1.4, 4.6.2, 4.6.4, 10.7.2, and 10.8.1.

Carollo was retained in May 2021, after a Request for Proposals was prepared and advertised in accordance with the District's policies and procedures, to review and make recommendations for the District's water and sewer capacity fees. The purpose of the capacity fees is to recover the cost of public facilities in existence at the time the fee is imposed and/or new public facilities to be acquired or constructed in the future that are of proportional benefit to the person or property being charged. A capacity fee is a one-time fee charged to new customers connecting to the District's system.

Carollo has completed the preliminary analysis for the capacity fee study.

**RECOMMENDATION(S):**

Hear staff report on the preliminary analysis for the Capacity Fee Study.



**COMMITTEE AGENDA REPORT**

**Meeting Date:** 03-09-2022  
**Dept. Head:** Karen Jassoy  
**Submitted by:** Karen Jassoy  
**Department:** Finance  
**Approved by:** Allen Carlisle, CEO/GM

**SUBJECT:** COST OF SERVICE STUDY UPDATE RELATED TO RECYCLED WATER OPERATION

**RECOMMENDATION(S):**

Hear staff report on Cost of Service Study analysis related to recycled water operation.

**ALTERNATIVE(S):**

**ATTACHMENT(S):**

None

**FUNDING:**

Requested amount:

Budgeted amount:

Are funds available?  Yes  No

Project cost to date:

**PRIOR BOARD/COMMITTEE CONSIDERATION:**

**STRATEGIC PLAN IMPLEMENTATION:**

This agenda item is consistent with the District’s Strategic Plan and meets one or more of the following Strategic Goals: Provide safe, reliable water, recycled water and sewer services; Ensure fiscal health and competitively sustainable rates; Enhance customer communications and education; Increase water, wastewater and energy independence; Maintain workforce excellence; Expand park and recreation opportunities.

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Finance <input type="checkbox"/>	Resolution <input type="checkbox"/>	Standard Practices <input type="checkbox"/>	Reso/Ord. No. _____
Legal Counsel <input type="checkbox"/>	Ordinance <input type="checkbox"/>	& Policies	Other _____
Standard Form <input type="checkbox"/>	None <input type="checkbox"/>		

**EXECUTIVE SUMMARY:**

Padre Dam provides both potable water and recycled water to its western service area. Padre Dam only provides potable water to its eastern service area because infrastructure does not exist to transport recycled water to that region. Recycled water is not approved for human consumption but can be used for irrigation and construction. Potable water is safe for human consumption but is also used for irrigation and construction. Traditionally, recycled water has been priced lower than potable water to promote the use of recycled water.

The District's Recycled Water Operation has benefited during the current Five Year Plan (FY '18-'22) due to several factors including deferral of Capital Improvement Projects (CIP), subsidies from Metropolitan Water District's Local Resource Program (LRP), and financial incentives from the County Water Authority's Local Water Supply Development (LWSD) Program. In addition, capital renewal and replacement investment for the recycled water distribution system have been minimal over previous plans due to the relative age of the facilities and infrastructure. All these factors have contributed to keeping recycled water rates low.

The Recycled Water Operation budget for the next Five Year Plan (FY '23-'27) includes significant CIP investments; its infrastructure is now reaching an age where increased maintenance and replacement is needed for reliability and continued operation. Improvements are also needed to interface with the anticipated East County Advanced Water Purification Project. In addition, LRP and LWSD program credits are not available in the next Five Year Plan. Finally there are no capacity fees for new recycled water customer so there are no Capital Replacement Funds from which to draw for major projects. All of these factors put upward pressure on recycled water rates.

In November 2021, the District hired Raftelis Financial Consultants Inc. to perform a comprehensive Cost of Service and Rate Study for the Potable Water, Sewer and Recycled Water Operations; each operation has its own financial plan and specific revenue sources. Raftelis's work thus far suggests that revenues required for the operation of the Potable Water and Sewer Operation should not require significant adjustments to meet future operations and capital needs; the opposite is true for the Recycled Water Operation. Raftelis's work shows that the revenue requirement for the Recycled Water Operation is significantly higher than current revenues to fund necessary operations and capital needs in the next Five Year Plan. Consequently, recycled water rates will need to be increased substantially to ensure that adequate revenues are generated to cover the cost to produce and deliver recycled water.

**RECOMMENDATION(S):**

Hear staff report; no action required





**COMMITTEE AGENDA REPORT**

**Meeting Date:** 03-09-2022  
**Dept. Head:** Mark Niemiec  
**Submitted by:** Tom Martin  
**Department:** Engineering  
**Approved by:** Allen Carlisle, CEO/GM

**SUBJECT:** DEVELOPMENT UPDATE

**RECOMMENDATION(S):**

Hear staff report; no action required.

**ALTERNATIVE(S):**

Table report to a future meeting.

**ATTACHMENT(S):**

None

**FUNDING:**

Requested amount:

Budgeted amount:

Are funds available?  Yes  No

Project cost to date:

**PRIOR BOARD/COMMITTEE CONSIDERATION:**

**STRATEGIC PLAN IMPLEMENTATION:**

This agenda item is consistent with the District’s Strategic Plan and meets one or more of the following Strategic Goals: Provide safe, reliable water, recycled water and sewer services; Ensure fiscal health and competitively sustainable rates; Enhance customer communications and education; Increase water, wastewater and energy independence; Maintain workforce excellence; Expand park and recreation opportunities.

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Finance <input type="checkbox"/>	Resolution <input type="checkbox"/>	Standard Practices <input type="checkbox"/>	Reso/Ord. No. _____
Legal Counsel <input type="checkbox"/>	Ordinance <input type="checkbox"/>	& Policies	Other _____
Standard Form <input type="checkbox"/>	None <input checked="" type="checkbox"/>		

**EXECUTIVE SUMMARY:**

Hear staff report on various development projects around the District including:

- Laurel Heights
- Santee Townhomes
- Walker Trails
- Alpine Family Apartments
- Sunset View Estates
- Cuyamaca Service Station
- Marshall Business Park Ph 2
- Riverview Public Improvements

**RECOMMENDATION(S):**

Hear staff report; no action required.



**COMMITTEE AGENDA REPORT**

**Meeting Date:** 03-09-2022  
**Dept. Head:** Dennis Lamb  
**Submitted by:** Michael Hindle, PE  
**Department:** Engineering  
**Approved by:** Allen Carlisle, CEO/GM

**SUBJECT:** CAPITAL IMPROVEMENT PROJECTS (CIP) CONSTRUCTION UPDATE

**RECOMMENDATION(S):**

Hear staff report; no action required.

**ALTERNATIVE(S):**

N/A

**ATTACHMENT(S):**

None

**FUNDING:**

Requested amount: N/A

Budgeted amount:

Are funds available?  Yes  No

Project cost to date:

**PRIOR BOARD/COMMITTEE CONSIDERATION:**

**STRATEGIC PLAN IMPLEMENTATION:**

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Finance	<input type="checkbox"/>	Resolution	<input type="checkbox"/>	Standard Practices	<input type="checkbox"/>	Reso/Ord. No.	_____
Legal Counsel	<input type="checkbox"/>	Ordinance	<input type="checkbox"/>	& Policies		Other	_____
Standard Form	<input type="checkbox"/>	None	<input checked="" type="checkbox"/>				

**EXECUTIVE SUMMARY:**

Hear staff report summarizing the construction status for the following Capital Improvement Projects:

- Quail Canyon Pressure Reducing Station (JN 217042)
- Cordial Road Pipeline Replacement (JN 219026)
- Rios Canyon PS2 Surge Tank (JN 220005)
- Grossmont Tank Interior Recoating and Repairs (JN 218024)
- Sewer & Manhole Rehabilitation (JN 220010)
- Valve Replacement Project (JN 219029)

**RECOMMENDATION(S):**

Hear staff report; no action required.



**COMMITTEE AGENDA REPORT**

**Meeting Date:** 03-09-2022  
**Dept. Head:** Mark Niemiec, P.E.  
**Submitted by:** Mark Niemiec, P.E.  
**Department:** Engineering  
**Approved by:** Allen Carlisle, CEO/GM

**SUBJECT:** UPDATE ON THE EAST COUNTY ADVANCED WATER PURIFICATION PROJECT

**RECOMMENDATION(S):**

Hear staff report; no action required.

**ALTERNATIVE(S):**

N/A

**ATTACHMENT(S):**

- 1. East County AWP Project Executive Overview

**FUNDING:**

Requested amount: N/A

Budgeted amount:

Are funds available?  Yes  No

Project cost to date:

**PRIOR BOARD/COMMITTEE CONSIDERATION:**

**STRATEGIC PLAN IMPLEMENTATION:**

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Legal Counsel <input type="checkbox"/>	Ordinance <input type="checkbox"/>	& Policies	Other _____
Standard Form <input type="checkbox"/>	None <input checked="" type="checkbox"/>		

**EXECUTIVE SUMMARY:**

Padre Dam along with the City of El Cajon and the County of San Diego entered into a Joint Exercise of Powers Agreement to create the East County Advanced Water Purification Joint Powers Authority (JPA) in November, 2019. Padre Dam as the Administrator for the JPA is overseeing the design and construction of the East County AWP Project across four distinct packages (Packages #1 - #4). The Guaranteed Maximum Price (GMP) for Packages 1, 2, & 3 will be included in an amendment to the Agreements, which will cover the Phase 2 activities (final design and construction). The amendments for each of these Packages will be brought to the JPA Board for consideration at the May 19, 2022 JPA Board Meeting. These amendments will represent the final investment decisions for the JPA Board and provide another opportunity to take an “off ramp”.

**RECOMMENDATION(S):**

Hear staff report; no action required.



The East County Advanced Water Purification Program is a regional water and wastewater solution. This program is a collaborative partnership between Padre Dam Municipal Water District, the County of San Diego, the City of El Cajon, and Helix Water District. It will create a new, local, sustainable and drought proof drinking water supply using state-of-the-art technology to purify recycled water and diversify East County's water supply while reducing our dependence on imported water.

## Implementation Updates

### Package 1

Package 1 Design-Builder, AECOM/Lyles continues work in Phase 1 at a not-to-exceed amount of \$14M. Components of Package 1 includes a 16 MGD water recycling facility, an 11.5 MGD advanced water purification Facility, a solids handling facility, a product water pump station and a new visitor's center. Highlights include:

- Received and reviewed Draft 60% design drawings and cost estimates.
- Held design review workshops with Design Build firm and identified next steps to finalize the 60% design.
- Held technical workshops to further develop process and design advancements
- Continuing to review the project equipment procurement documents.
- Continuing to work on Phase 2 contract amendment documents in collaboration with Design Build firm.
- Submitted Draft Title 22 Engineering Report to regulators for their review.

### Package 2

Package 2 Design-Builder, Orion and GHD, continue work in Phase 1 at a not-to-exceed amount of \$5.5M. Package 2 includes designing and constructing a 10-mile advanced water purification pipeline, dechlorination facility, water feature and inlet to Lake Jennings. Highlights include:

- Completed horizontal alignment redesign for Fanita Parkway north of Ganley Road to address environmentally sensitive areas.
- Coordinating with the Package 3 pipeline alignment and the future Fanita Ranch development.
- Provided the final submittal to Caltrans for Highway 67 crossing including the final pipeline alignment and additional geotechnical information requested by Caltrans.
- Reviewed the final 60% plans for the pipeline alignment and dechlorination facility.
- Reviewed and accepted draft Lake Jennings water feature design. Helix Water District has also reviewed the draft design and provided comments.
- Continued to make pipeline design decisions including using grout lining at the pipeline joints instead of a proposed joint sealant product and the preferred choice of 1/4-inch pipeline thickness instead of 3/16-inch with the final determination depending on the final package guaranteed maximum price.
- The JPA has reviewed 52 contractor design submittals.



### Package 3

Package 3 Design-Builder AECOM/Lyles continue work in Phase 1 at a not-to-exceed amount of \$4.7M. Components of Package 3 are retrofits and capacity expansions of the Influent Pump Station and East Mission Gorge Pump Station (EMGPS), 3.5 mile force main, a 3 mile residuals bypass pipeline and a 1.7 million gallon a day lift station on for the residuals bypass system. Highlights include:

- Provided comments on the Draft 60% Design to the Design-Builder and they are progressing to a Final 60% GMP Proposal.
- Developed revised horizontal and vertical alignments in an effort to continue coordination of improvements on Fanita Parkway with Package 2, the City of Santee, and future expansion of Fanita Parkway by HomeFed.
- Coordination with the Carlton Oaks Golf Course regarding their planned improvements including new facilities and club house adjacent to the trenchless alignment, as well as obtaining an easement across their property.
- Coordination with SDG&E to relocate the electrical service at the East Mission Gorge Pump Station.
- Collaboration with Package 4 to ensure the Residual Bypass Pump Station is properly sized to convey flows through the Residual Bypass Force Main and Regional Brine Line.

### Package 4

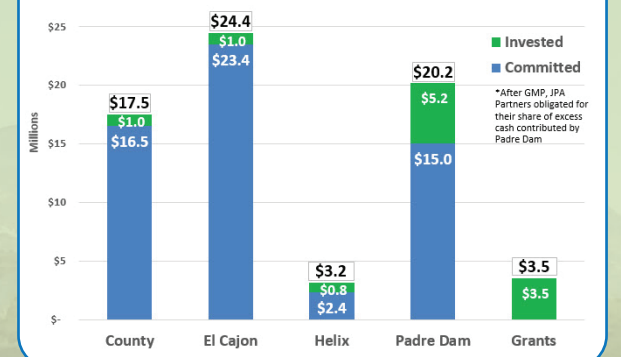
Package 4 is a collaborative effort between the JPA and the City of San Diego to implement the provisions of the Residuals Management Agreement. The preliminary capital cost for Package 4 is \$40M-\$45M inclusive of contingency. Highlights include:

- Continued progress on the CEQA Document. Native American consultation was initiated.
- The Site Survey Scope of Services, Geotechnical Data and Interpretive Report, Health and Safety Plan, and Quality Management Plan have been approved.
- Continued coordination with the City of San Diego on the final Condition Assessment Work Plan.
- Continued progress on wet weather flow and hydraulic analysis in coordination with the Package 3 Design Build Team.

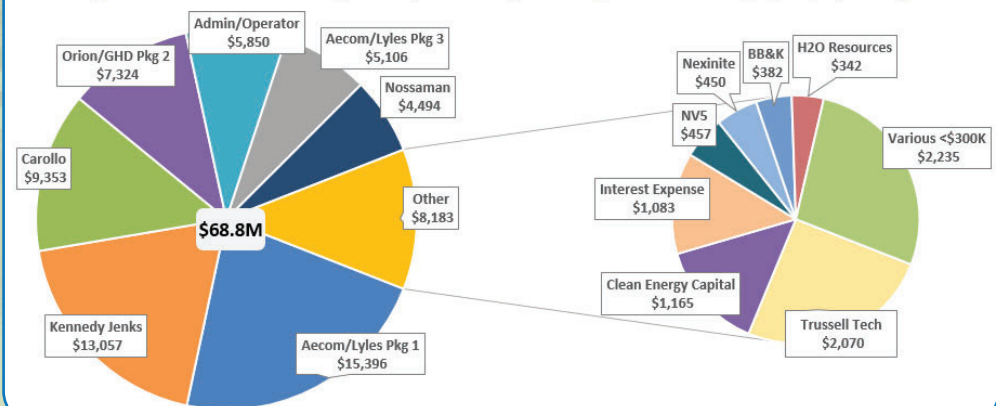
## Financial Highlights

This section highlights financial information for Fiscal Year 2022 through the end of the Quarter 2 on December 31, 2021.

### Funding and Commitments (in \$M)



### Project Funds from Inception (FY 2015) through FY 2022 Q2 (in \$1,000s)



### FY 2022 Budget vs. Q2 Actuals (in \$1,000s)

Approved budget is for the full Fiscal Year while actuals are through December 31, 2021.

	Annual Budget	Actual through 12/31/21	Amount Over (Under) Budget
Interim Administrator	\$ 3,513,663	\$ 1,728,520	\$ (1,785,143)
Professional Services	68,388,473	12,630,902	(55,757,571)
Vehicle and Equipment	1,000	-	(1,000)
Building	11,000	2,707	(8,293)
Utilities	2,700	1,583	(1,117)
Materials and Supplies	75,000	2,997	(72,003)
Administrative Expenses	2,380,150	10,500	(2,369,650)
Interest Expense	530,000	239,778	(290,222)
<b>Total Expenditures</b>	<b>\$ 74,901,986</b>	<b>\$ 14,616,987</b>	<b>\$ (60,284,999)</b>



## Board Meeting Highlights

### September 2021

At their September meeting the JPA Board approved the progressive design-build agreement for Package 4 to be awarded to Orion Construction. The Board also approved the planning and environmental compliance reimbursement agreement with the City of San Diego.

### November 2021

At their November meeting the JPA Board approved the long-term Energy Recovery Strategic Approach, and purchase of the East Mission Gorge Pump Station. The Board also approved the East County AWP Joint Powers Authority Administrator and Operator agreement with the Padre Dam Municipal Water District.

## Public Outreach

The Outreach team began work on the construction outreach plan and coordinating a timeline for what outreach will occur in different project areas. Additionally, the outreach team is progressing with the concepts for educational displays and exhibits in the future Visitor's Center.



### Elected Officials Open House



### Awards Received for Video and Editorial

### Social Media Content



### East County AWP is COST Effective!





**COMMITTEE AGENDA REPORT**

**Meeting Date:** 03-09-2022  
**Dept. Head:** Dennis Lamb  
**Submitted by:** Michael Hindle, PE  
**Department:** Engineering  
**Approved by:** Allen Carlisle, CEO/GM

**SUBJECT:** CAPITAL IMPROVEMENT PROJECTS (CIP) CONSTRUCTION CONTINGENCY UPDATE

**RECOMMENDATION(S):**

Note and file; informational report only.

**ALTERNATIVE(S):**

N/A

**ATTACHMENT(S):**

- 1. CIP Projects Construction Contingency since 2015

**FUNDING:**

Requested amount: N/A

Budgeted amount:

Are funds available?  Yes  No

Project cost to date:

**PRIOR BOARD/COMMITTEE CONSIDERATION:**

**STRATEGIC PLAN IMPLEMENTATION:**

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<b>Reviewed by:</b>	<b>Action Required:</b>	<b>Policy Updates:</b>	<b>Action Taken:</b>
Dept Head <input checked="" type="checkbox"/>	Motion <input type="checkbox"/>	Rules & Regulations <input type="checkbox"/>	As Recommended _____
Finance <input type="checkbox"/>	Resolution <input type="checkbox"/>	Standard Practices <input type="checkbox"/>	Reso/Ord. No. _____
Legal Counsel <input type="checkbox"/>	Ordinance <input type="checkbox"/>	& Policies	Other _____
Standard Form <input type="checkbox"/>	None <input checked="" type="checkbox"/>		



**EXECUTIVE SUMMARY:**

Attached is the updated CIP project construction contingency report for Projects awarded from January 2015 through December 2021.

**RECOMMENDATION(S):**

Note and file; informational report only.

**CIP PROJECTS CONSTRUCTION CONTINGENCY SINCE 2015**

JOB NO.	PROJECT NAME	AWARD DATE	BID PRICE	BOARD APPROVED CONTINGENCY (%)	CONTRACTOR	% OF CHANGE ORDERS APPROVED	\$ AMOUNT OF CHANGE ORDER APPROVED	Avg. % OF CHANGE ORDERS APPROVED
218037	Sewer Manhole Rehabilitation	5/1/2019	\$87,190	15%	Sancon Engineering, Inc.	0.0%	\$0	
218029	Sewer CIPP Repairs 2019	2/20/2019	\$175,968	15%	Sancon Engineering, Inc.	2.2%	\$3,857	
218026	42-Inch Los Coches Reservoir Pipe Repairs	11/7/2018	\$189,265	15%	Growth Development Marketing, Inc.	2.1%	\$3,898	
217020	Sewer CIPP Repairs 2018	6/6/2018	\$200,003	15%	NuLine Technologies LLC	0.0%	(\$71)	
217022	Woodrose Ave. Techite Sewer Repl.	11/1/2017	\$585,000	15%	Burtech Pipeline Incomp.	-7.7%	(\$45,316)	
215004	FY 2018 Valve Repl.-WSA	10/18/2017	\$280,200	15%	Burtech Pipeline Incomp.	1.4%	\$3,989	
214014	Small Diameter Sewer CIPP	9/21/2016	\$165,286	15%	Southwest Pipeline & Trenchless Corp.	5.5%	\$9,136	
214018 & 215002	Mast Blvd. Bridge & Prospect Ave. Pipeline Repair	3/2/2016	\$294,350	15%	Charles King Company, Inc.	8.8%	\$26,042	
215008	Grading Contract "A" for ESA Secondary Connection	12/8/2015	\$208,009	15%	Whillock Contracting, Inc.	1.1%	\$2,304	
214004	El Capitan Pump Station (PS-1) Surge Tank	1/7/2015	\$419,800	15%	TC Construction Company, Inc.	0.8%	\$3,197	
								0.3%
218039	WRF Flights & Gears	9/18/2019	\$887,400	10%	NEWest Construction Co., Inc. <sup>1</sup>	10.3%	\$91,785	
217019	Viejas Mtn. Reservoirs Refurbishing	3/7/2018	\$480,452	10%	West Coast Coatings, Inc.	1.8%	\$8,437	
217024 & 217032	IPS & Force Main Improv. & WRF Primary & Secondary Basins Refurbishment	1/17/2018	\$1,021,747	10%	J.R. Filanc Construction Co., Inc.	4.6%	\$47,015	
216027	Building B Roof Repl.	9/6/2017	\$136,000	10%	MA Stevens Construction, Inc.	0.0%	\$0	
216024	Pump Stations 3 & 4 Surge Tanks Repl.	9/6/2017	\$747,000	10%	J.R. Filanc Construction Co., Inc.	4.0%	\$29,999	
215009	Grossmont College Master Meter Vault	8/16/2017	\$176,000	10%	Bali Construction, Inc.	-1.5%	(\$2,671)	
215015	Techite Sewer Repl., Diversion Structure Repl., & Lift Station	6/21/2017	\$1,822,400	10%	Charles King Company	5.6%	\$101,471	
216026	Water Recycling Facility Fence Replacement	5/3/2017	\$259,904	10%	Econo Fence, Inc.	0.0%	\$0	
216025	Ray Stoyer WRF Concrete Repairs	3/15/2017	\$402,409	10%	Wright Construction Engineering Corp.	7.2%	\$28,792	
								5.1%
214007, 212010, & 216001	ESA Secondary Connection & Padre Dam 7 Flow Control Facility, I-8 Water Crossing at Viewside Ln., & El Capitan Pipeline Vault & Valve Removal	10/19/2016	\$14,692,048	5%	J.R. Filanc Construction Co., Inc.	3.5%	\$517,989	
								3.5%
217037	Mountain View Connection Pipeline	8/7/2019	\$6,952,485	2%	Vido Artukovich & Son, Inc./Vidmar, Inc. A JV <sup>2</sup>	-6.1%	(\$427,461)	
								-6.1%
201004	Sewer Manhole Rehabilitation	11/16/2016	\$118,275	10%	Zebron Contracting <sup>3</sup>	35.1%	\$41,500	
214002	Pump Stations 3 & 4 Surge Tanks Field Coating	4/6/2016	\$216,921	15%	West Coast Industrial Coatings, Inc. <sup>4</sup>	-65.1%	(\$141,199)	

**Notes:**

<sup>1</sup> Board authorized additional funding on 1/15/20 for NEWest Construction Co. to repair the failing RW clearwell. The work was completed during the shutdown of the WRF for the Flights & Gears Project.

<sup>2</sup> Cost savings due to collaboration with the County of San Diego regarding reduced pavement restoration requirements

<sup>3</sup> Rehabilitation of 20 additional sewer manholes authorized by Board on 11/16/16.

<sup>4</sup> Due to poor condition of surge tanks, it was determined that PS #3 & #4 Surge Tanks were unsuitable for re-coating, & project was terminated for convenience.



**COMMITTEE AGENDA REPORT**

**Meeting Date:** 03-09-2022  
**Dept. Head:** Dennis Lamb  
**Submitted by:** Michael Hindle, P.E.  
**Department:** Engineering  
**Approved by:** Allen Carlisle, CEO/GM

**SUBJECT:** QUARTERLY CAPITAL IMPROVEMENT PROGRAM (CIP) PROJECTS BUDGET UPDATE

**RECOMMENDATION(S):**

Note and file; informational report only.

**ALTERNATIVE(S):**

N/A

**ATTACHMENT(S):**

- 1. CIP Projects Budget Update

**FUNDING:**

Requested amount: N/A  
Budgeted amount: N/A  
Are funds available?  Yes  No  
Project cost to date: N/A

**PRIOR BOARD/COMMITTEE CONSIDERATION:**

**STRATEGIC PLAN IMPLEMENTATION:**

This agenda item is consistent with the District’s Strategic Plan and meets one or more of the following Strategic Goals: Provide safe, reliable water, recycled water and sewer services; Ensure fiscal health and competitively sustainable rates; Enhance customer communications and education; Increase water, wastewater and energy independence; Maintain workforce excellence; Expand park and recreation opportunities.

<b>Reviewed by:</b>	<b>Action Required:</b>	<b>Policy Updates:</b>	<b>Action Taken:</b>
Dept Head <input checked="" type="checkbox"/>	Motion <input type="checkbox"/>	Rules & Regulations <input type="checkbox"/>	As Recommended _____
Finance <input type="checkbox"/>	Resolution <input type="checkbox"/>	Standard Practices <input type="checkbox"/>	Reso/Ord. No. _____
Legal Counsel <input type="checkbox"/>	Ordinance <input type="checkbox"/>	& Policies	Other _____
Standard Form <input type="checkbox"/>	None <input checked="" type="checkbox"/>		

**EXECUTIVE SUMMARY:**

Attached is the CIP expenditures report through December 2021.

**RECOMMENDATION(S):**

Note and file; informational report only.

**CIP Projects Budget Update  
FISCAL YEAR 2022  
BUDGET VS ACTUAL  
(thru December 2021)**

Item #	Project	Job # / WO #	PM	Total 5 Yr. Bus. Plan Budget	Current Fiscal Year				Status	Comment(s)	Cumulative		
					FY '22 Budget	FY '22 Actual Spent (thru December 2021)	FY '22 Variance	FY '22 % Spent			Total Projected Budget	Project Expenditures to Date (ITD thru December 2021)	Total Project Variance
<b>General CIP</b>													
1	Trans-River Sewer Siphon & Sludge Main - Condition Assessment, Design, & Construction	217002 & 220027	WL	\$2,802,000	\$1,974,000	\$6,861	\$1,967,139	0.3%	D	The Board awarded the design to Weston at the Board meeting in April 2021. Weston has started the preliminary tasks for design development. Updated model was provided by the Master Plan consultant and preliminary design work is proceeding to evaluate feasibility for redundant future siphon.	\$2,802,000	\$779,785	\$2,022,215
2	Quail Canyon Pressure Reducing Station	217042	MH / JO	\$505,000	\$323,000	\$222,069	\$100,931	68.8%	C	The NTP for construction was issued to Vidovich on November 18, 2020. Construction completion was originally anticipated to be in May 2021, however, contract time was extended to address piping/vault revisions and longer than anticipated material lead times. Construction is anticipated to be completed in April 2021.	\$505,000	\$412,656	\$92,344
3	Grossmont Tank Rehabilitation	218024	MH / SH	\$3,211,000	\$3,024,000	\$260,679	\$2,763,321	8.6%	C	The Project was re-bid in April 2021. The Board awarded the construction contract to Pacific Tank on June 16, 2021. The Notice to Proceed and PreCon meeting was held on July 28, 2021. Anticipated completion is summer 2022.	\$3,211,000	\$480,100	\$2,730,900
4	Tavern Rd & W. Victoria @ Hwy.8 Pipe Upgrades	218027	WL	\$1,200,000	\$1,092,000	\$5,193	\$1,086,807	0.5%	D	Project under design to upgrade pipelines at bridge crossings. Caltrans permit is required and staff is coordinating review/permitting.	\$1,200,000	\$112,820	\$1,087,180
5	Potable Water Pipeline Condition Assessment	218034	MH / AS	\$1,201,000	\$793,000	\$96,963	\$696,037	12.2%	P	Indirect assessment completed. Costs to perform internal direct assessment is higher than anticipated and is no longer being pursued. However, external direct assessment (EDA) was performed in December 2021. Data derived from the field condition assessment work is being reviewed by District staff. An updated will be provided to the Board at the FDOC meeting in May 2022.	\$1,201,000	\$481,304	\$719,696
6	Blossom Valley Reservoir Rehabilitation/Replacement	218035	AS	\$1,526,000	\$1,331,000	\$18,449	\$1,312,551	1.4%	P	Dudek completed the Feasibility Study that considered 7-alternatives. Staff prepared RFP for design services which will be advertised January 2022 to solicit design engineering consultant firms. Staff anticipates requesting Board to award the design contracts in April 2022.	\$1,526,000	\$193,617	\$1,332,383
7	Pump Station Improvements	219004	WL	\$2,398,000	\$1,950,000	\$58,396	\$1,891,604	3.0%	D	Board awarded the engineering design contract to Woodard & Curran in June 2020. Woodard & Curran completed the construction documents and staff subsequently advertised the project for bid and opened bids in December 2021. Staff will request the Board award the construction contracts at the regularly scheduled Board meeting on February 2, 2022.	\$2,398,000	\$584,404	\$1,813,596
8	Cordial Road Pipeline Replacement	219026	WL / JN	\$3,986,000	\$3,390,000	\$1,557,604	\$1,832,396	45.9%	C	Project wasn't included in the CIP however Board approved funding plan on December 16, 2020 and awarded the construction contract to Ferreira Construction. Note, the Potable Water Reserve Fund Balance will be utilized to fully fund the Project while maintaining Board approved minimum balances. Construction NTP was issued on January 28, 2021 and the original construction completion date was anticipated to be in late July 2021. Construction was delayed and staff negotiated a time extension with Ferreira. The contract completion date was December 30, 2021. Construction completion is anticipated to be in April 2022.	\$3,986,000	\$2,314,762	\$1,671,238
9	Contracted Valve Replacement	219029	AS	\$1,179,000	\$1,050,000	\$39,690	\$1,010,310	3.8%	C	Contracted Valve and 36-in. Transmission Main Valve Upgrades will be executed as a single project. Following issuance of the City of Santee traffic permit on June 2021, Staff advertised the project for bid in June 2021. Staff will request the Board award the construction contract to Burtech Pipeline on August 4, 2021. Project is delayed due to 40+ lead time for the larger valves required for the project.	\$1,179,000	\$193,594	\$985,406
10	Master Plan Update & UWMP 2020	219030	MH	\$578,606	\$250,000	\$145,471	\$104,529	58.2%	P	The Board awarded the engineering agreement to Carollo on August 5, 2020. Preliminary background research is complete and preliminary demand and population forecasts developed. Model calibration and analysis completed. The draft final document is anticipated to be submitted by Carollo in February 2022. The final MP Update will be complete in March 2022.	\$578,606	\$535,730	\$42,876
11	Rios Canyon PS No. 2 Surge Tank	220005	AS	\$820,000	\$567,000	\$416,677	\$150,323	73.5%	C	Board awarded the Construction Contract on February 17, 2021 to M-Rae Engineering and the NTP issued on April 7, 2021. The construction of the surge tank, pressure relief valve, discharge plug valve, and air compressor is complete. The Contractor is coordinating final startup and commissioning. Project completion is anticipated to be in March of 2022.	\$820,000	\$655,823	\$164,177
12	Sewer & Manhole Rehabilitation	220010	AS	\$876,000	\$767,000	\$35,106	\$731,894	4.6%	C	Staff advertised the project for bid in June 2021. The Board awarded the construction contract to Sancon on July 21, 2021. Construction completion is anticipated to be in April 2022.	\$876,000	\$92,572	\$783,428
13	I-8 Unencased Main Replacement	221007	WL	\$618,000	\$593,000	\$18,923	\$574,077	3.2%	D	Staff prepared and advertised RFP in July 2021 to solicit engineering design consultants. The Board awarded the engineering design contracts in November 2021. The team is working to prepare for initial submission of project information to Caltrans.			
<b>TOTAL</b>				<b>\$20,172,606</b>	<b>\$17,104,000</b>	<b>\$2,882,082</b>	<b>\$14,221,918</b>				<b>\$20,282,606</b>	<b>\$6,837,166</b>	<b>\$13,445,440</b>
<b>Capitalized Operations</b>													
1	Blowoff Installation	208015	Ops	\$27,000	\$5,000	\$0	\$5,000	0.0%		Capitalized Operations.	\$799,505	\$785,527	\$13,978
2	Annual Poly Service Replacement (ESA)	202032	Ops	\$478,000	\$107,000	\$33,023	\$73,977	30.9%		Capitalized Operations.	\$1,537,022	\$1,326,600	\$210,421
3	Annual Poly Service Replacement (WSA)	202008	Ops	\$972,000	\$129,000	\$104,164	\$24,836	80.7%		Capitalized Operations.	\$3,639,381	\$3,524,411	\$114,970
4	Annual Valve Replacement Program (ESA)	202034	Ops	\$1,058,000	\$147,000	\$291,224	(\$144,224)	198.1%		Capitalized Operations.	\$2,739,416	\$2,940,740	(\$201,324)
5	Annual Valve Replacement Program (WSA)	99017	Ops	\$1,241,000	\$147,000	\$294,834	(\$147,834)	200.6%		Capitalized Operations.	\$8,178,377	\$8,379,497	(\$201,120)
6	Ops Building HVAC Replacement	220015	Ops	\$76,000	\$0	\$0	\$0	0.0%		HVAC Upgrades for Ops Building	\$76,000	\$69,693	\$6,307
7	SCADA Upgrades	218014	Ops	\$214,000	\$97,000	\$0	\$97,000	0.0%		SCADA upgrades at facilities	\$97,000	\$56,107	\$40,893
<b>TOTAL</b>				<b>\$4,066,000</b>	<b>\$632,000</b>	<b>\$723,245</b>	<b>-\$91,245</b>				<b>\$17,066,701</b>	<b>\$17,082,575</b>	<b>-\$15,874</b>
<b>COMBINED TOTAL</b>				<b>\$24,238,606</b>	<b>\$17,736,000</b>	<b>\$3,605,327</b>	<b>\$14,130,673</b>				<b>\$37,349,307</b>	<b>\$23,919,741</b>	<b>\$13,429,566</b>

Status  
P Planning  
D Design  
C Construction  
PC Post Construction