

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

Date: Monday, November 28, 2022 Time: 4:00 pm

Location: Customer Service Center, Board Room, 9300 Fanita Parkway, Santee

and Videoconference

Committee Members: Director Pommering, Chair

**Director Till** 

**Staff Members:** Kyle Swanson, CEO/General Manager

Paul Clarke, Director of Operations and Water Quality

Jeff Moneda, Director of Engineering Mark Niemiec, Director of AWP Rob Northcote, Plant Manager

Michael Hindle, Engineering Manager Jimmy Vargas, Operations Manager Lewis Clapp, Engineering Manager

Additional Attendees: Adelina Sanchez, Engineer; Representatives from Carollo Engineers, Inc. and HDR

Engineering, Inc.

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:**

<u>Committees of less than a quorum of the Board may be created to study and advise the full Board regarding</u> 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

#### FACILITIES DEVELOPMENT AND OPERATIONS COMMITTEE AND SPECIAL BOARD OF DIRECTORS MEETING MONDAY, NOVEMBER 28, 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 Zoom 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.

Register to watch the webinar via the link below:

November 28, 2022 FDOC/Special Board Meeting
After registering, you will receive a confirmation with a link to join the webinar.

For teleconference dial:

+1-646-568-7788
Webinar/Meeting ID:
833 7807 2041
Enter # for participant ID

#### **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 Zoom, 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 <u>public comment e-form</u> 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 <a href="www.PadreDam.org">www.PadreDam.org</a>. 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 <a href="mailto:apederson@padre.org">apederson@padre.org</a>.

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 <a href="mailto:locatello@padre.org">locatello@padre.org</a>.

#### 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

#### ACTION AGENDA

Items on the Action Agenda call for discussion and action by the Board Committee. All items are placed on the Agenda so that the Board Committee may discuss and take action to refer to the full Board for consideration at a future Board Meeting if the Board Committee is so inclined.

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

#### Recommendation:

- 1. Hear report from Carollo Engineers, Inc., Padre Dam's consultant, and staff on the results and recommendations from the Capacity Fee Study.
- Authorize staff to facilitate an informational meeting for the public on December 8, 2022 and a public hearing to adopt the new capacity fees at the Regular Board of Director's Meeting scheduled on December 21, 2022.

#### 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.

#### 2. PIPELINE CONDITION ASSESSMENT PROJECT (JN 218034)

#### Recommendation:

Hear staff report; no action required.

#### 3. **DEVELOPMENT UPDATE**

#### Recommendation:

Hear staff report; no action required.

#### 4. INFORMATIONAL REPORTS

Note and file the following reports:

- A. Quarterly Capital Improvement Program (CIP) Projects Budget Update
- B. East County AWP Executive Overview Report

#### 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 November 23, 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



Meeting Date: 11-28-2022

Dept. Head: Jeff Moneda, PE

Submitted by: Michael Hindle, PE

Department: Engineering

**Approved by:** Kyle Swanson, CEO/GM

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

#### **RECOMMENDATION(S):**

- 1. Hear report from Carollo Engineers, Inc., Padre Dam's consultant, and staff on the results and recommendations from the Capacity Fee Study.
- 2. Authorize staff to facilitate an informational meeting for the public on December 8, 2022 and a public hearing to adopt the new capacity fees at the Regular Board of Director's Meeting scheduled on December 21, 2022.

#### **ALTERNATIVE(S)**:

Do not hear report at this time on the results and recommendations from the Capacity Fee Study.

<u> ATTACHMENT(S</u>	):
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None

#### **FUNDING:**

Requested amount: N/A

Budgeted amount: \$124,934

Are funds available? Yes No

Project cost to date: \$109,081

**PRIOR BOARD/COMMITTEE CONSIDERATION:** 05-19-2021 and 11-02-2022 Board meetings - awarded and amended contract with Carollo to conduct capacity fee study; 03-09-2022 Facilities Development & Operations Committee and 03-31-2022 Special Board meeting - Carollo presented preliminary findings for the capacity fee study.

#### STRATEGIC PLAN IMPLEMENTATION:

This agenda item is consistent with the District's Strategic Business Plan and meets one or more of the following Strategic Objections: Customer Experience; Fiscal Stability; Operational Excellence, Sustainability and Resource Management; Talent Management; Technology and Innovation.

Reviewed by:		Action Requir	ed:	Policy Updates:		Action Taken:
Dept Head	$\boxtimes$	Motion	$\boxtimes$	Rules & Regulations		As Recommended
Finance	Ш	Resolution	Ш	riales & riegulations	ш	Reso/Ord. No.
Legal Counsel		Ordinance		Standard Practices		•
Standard Form		None		& Policies		Other

Carollo Engineers, Inc. (Carollo) provided the Board with an update on the preliminary results and recommendations for Capacity Fees at the Facilities Development and Operations Committee and Special Board of Directors Meeting on March 9, 2022. The Board provided input and Carollo has revised their analysis by addressing the Board's comments.

#### **DESCRIPTION:**

The Padre Dam Municipal Water District's (Padre Dam or 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 if required, adjustments are made 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 provided the Board with an update on the preliminary results and recommendations for Capacity Fees at the Facilities Development and Operations Committee and Special Board of Directors Meeting on March 9, 2022. The Board provided input and Carollo has revised their analysis by addressing the Board's comments.

In summary, Carollo considered each of the three industry best practice methodologies for calculating a capacity fee, as set forth in the American Water Works Association (AWWA) *Principles of Water Rates, Fees, and Charges M1 Manual, Seventh Edition,* and Water Environment Federation (WEF)'s *Financing & Charges for Wastewater Systems, Manual of Practice 27, Fourth Edition*: the buy-in method, incremental cost method, and the combined approach. Carollo recommends the combined approach to calculate the water and sewer capacity fees. Carollo also recommends utilizing meter size as a basis for assessing water capacity fees and land-use based approach for assessing sewer capacity fees.

The next steps for implementing updates to Padre Dam's capacity fees include finalizing the financial analysis based on the Board's input, facilitating an informational meeting for the public on December 8, 2022, and a public hearing to adopt the new capacity fees at the Regular Board of Director's Meeting scheduled on December 21, 2022.

#### **RECOMMENDATION(S):**

- 1. Hear report from Carollo Engineers, Inc., Padre Dam's consultant, and staff on the results and recommendations from the Capacity Fee Study.
- 2. Authorize staff to facilitate an informational meeting for the public on December 8, 2022 and a public hearing to adopt the new capacity fees at the Regular Board of Director's Meeting scheduled on December 21, 2022.



SUBJECT:

PIPELINE CONDITION ASSESSMENT PROJECT (JN 218034)

Meeting Date:11-28-2022Dept. Head:Jeff MonedaSubmitted by:Adelina SanchezDepartment:Engineering

RECOMMENDATION(S):
Hear staff report; no action required.
ALTERNATIVE(S):
None
ATTACHMENT(S):
None
FUNDING:
Requested amount: N/A Budgeted amount: \$1,193,850 Are funds available? Yes No Project cost to date: \$856,632  PRIOR BOARD/COMMITTEE CONSIDERATION: Regular Board Meeting: 07-17-2019 and FDOC Meetings: 11-25-2019, 11-23-2020 & 02-22-2021
STRATEGIC PLAN IMPLEMENTATION:
This agenda item is consistent with the District's Strategic Business Plan and meets one or more of the following Strategic Objections: Customer Experience; Fiscal Stability; Operational Excellence, Sustainability and Resource Management; Talent Management; Technology and Innovation.
Reviewed by:     Action Required:     Policy Updates:     Action Taken:       Dept Head     Motion     Rules & Regulations     As Recommended       Finance     Resolution     Standard Practices     Reso/Ord. No.       Legal Counsel     Ordinance     Standard Practices     Other       Standard Form     None     & Policies

#### **DESCRIPTION:**

The Board-approved Five-Year Business Plan and Budget for Fiscal Years 2018-2022 includes funding for the Pipeline Condition Assessment for Potable Water Pipelines (Project). The Project proposes to utilize various indirect and direct condition assessment methods and tools to collect data for up to four miles of critical potable water pipelines. This data is essential for strategically identifying pipe renewal projects required to cost effectively maintain desired levels of service and for developing an effective potable water pipeline condition assessment program.

At the regularly scheduled Board meeting held on July 17, 2019, the Board authorized the CEO/General Manager, or his designee, to execute a professional services agreement with HDR Engineering, Inc. (HDR) for an amount not to exceed \$839,800 plus a 10-percent contingency. District staff and HDR identified critical potable water pipelines to be assessed as part of this Project. HDR's scope entails a three-phased approach to complete the work.

The initial phase of work (Phase 1) included field and laboratory tests as part of indirect assessment for Padre Dam's most critical potable water pipelines. Staff provided the Board with a summary of the findings from HDR's Phase 1 efforts at the Facilities Development and Operations Committee Meeting on November 23, 2020. The data obtained from the indirect assessments was subsequently used to identify Padre Dam's highest risk pipelines for direct assessments with in-pipe assessments (Phase 2 work). The direct assessments are more expensive than indirect assessments but provide more certainty of locations of active corrosion in order to determine remaining steel cylinder wall thicknesses, which is a primary indicator of pipeline condition.

Staff subsequently re-engaged the HDR Team to take the next steps in preparing detailed costs for facilitating the Phase 2 work which included the development of detailed work plans required to take the pipeline out of service and deploy an internal pipeline assessment tool. The internal assessments cost more than indirect assessments but provides precise data to determine pipeline condition. The development of a detailed direct assessment work plan revealed that not only a significant financial investment would be required, but also a substantial effort for Padre Dam's field staff to orchestrate a complicated shut down and re-operational strategy to limit customer outages and associated inconveniences. Based on the higher than anticipated investments in budget and staff time, staff recommended taking an alternative approach by foregoing internal direct assessment while proceeding with external corrosion direct assessment (ECDA) for a section of pipeline located along Labrador Lane and Olde Highway 80 in El Cajon (Pipeline C), a critical water pipeline identified during HDR's initial Phase 1 effort.

The pipeline ECDA was conducted in December 2021. The first step in the ECDA process was to excavate and expose a section of Pipeline C. HDR performed an assessment of the exposed section of Pipeline C by deploying an electromagnetic Bracelet Probe tool to assess steel cylinder thickness. Additionally, ultrasonic thickness measurements indicated there was active corrosion which demonstrated a correlation between the direct and indirect assessment.

HDR had also installed galvanic anodes, a form of cathodic protection that minimizes the rate of corrosion and protects the pipe. No further actions are required at this time, however HDR recommends the District proceed with Pipeline C replacement from under Interstate 8 in the next 5 years based on their findings from the assessments. To address this recommendation, Padre Dam is currently proceeding with the design of the Interstate 8 Unencased Transmission Main Crossings Project which includes the replacement of Pipeline C under Interstate 8.

Based on the correlation between the results of the ECDA and the indirect assessment data, Padre Dam shifted HDR's budget that was originally allocated for internal direct assessments in order to facilitate additional indirect assessments for other high risk pipelines. An additional 23,000 linear feet of pipeline was assessed as part of this effort and the results will be used to update Padre Dam's Pipeline Risk Model and identify locations for future assessments during Fiscal Years 2023 through 2027.

#### **RECOMMENDATION(S)**:

Hear staff report; no action required.



Meeting Date:	11-28-2022
Dept. Head:	Jeff Moneda
Submitted by:	Lewis Clapp
Department:	Engineering

SUBJECT: DEVELOPMENT UPDATE
RECOMMENDATION(S):
Hear staff report; no action required.
ALTERNATIVE(S):
Reschedule report to a future meeting
ATTACHMENT(S):
None
FUNDING:
Requested amount: n/a Budgeted amount: Are funds available? Yes No Project cost to date:  PRIOR BOARD/COMMITTEE CONSIDERATION: N/A
PRIOR BOARD/COMMITTEE CONSIDERATION: N/A
STRATEGIC PLAN IMPLEMENTATION:
This agenda item is consistent with the District's Strategic Business Plan and meets one or more of the following Strategic Objections: Customer Experience; Fiscal Stability; Operational Excellence, Sustainability and Resource Management; Talent Management; Technology and Innovation.
Reviewed by:     Action Required:     Policy Updates:     Action Taken:       Dept Head     Motion     Resolution     As Recommended       Finance     Resolution     Standard Practices     Reso/Ord. No.       Legal Counsel     None     Standard Practices     Other

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

- Laurel Heights
- Rancho Fanita Villas
- Walker Trails
- Alpine Family Apartments
- Alpine 21 Subdivision
- Hillside Meadows
- Viejas Hills Estates
- Quail Canyon Estates
- Cuyamaca Service Station
- El Nopal Subdivision

# **RECOMMENDATION(S)**:

Hear staff report; no action required.



Meeting Date:11-28-2022Dept. Head:Jeff Moneda, PESubmitted by:Michael Hindle, PE

**Department:** Engineering

<b>SUBJECT:</b> 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 Business Plan and meets one or more of the following Strategic Objections: Customer Experience; Fiscal Stability; Operational Excellence, Sustainability and Resource Management; Talent Management; Technology and Innovation.
Reviewed by:     Action Required:     Policy Updates:     Action Taken:       Dept Head     Motion     Rules & Regulations     As Recommended       Finance     Resolution     Standard Practices     Reso/Ord. No.       Standard Form     None     & Policies

Attached is the CIP expenditures report through September 2022.

# **RECOMMENDATION(S)**:

Note and file; informational report only.

#### **CIP Projects Budget Update** Fiscal Year 2023 Budget vs Actual (thru September 2022)

	(thru September 2022)  Current Fiscal Year												
ltem #	Project	Job # / WO #	PM	Total 5 Yr. Plan Budget	FY 23 Budget	FY 23 Actual Spent (thru September 2022)	FY 23 Variance	FY 23 % Spent	Status	Comment(s)	Total Projected Budget	Project Expenditures to Date (ITD thru September 2022)	Total Project Variance
General	CIP												
1	Sewer & Maintenance Hole Rehabilitation	222011	KK / WL	\$1,500,000	\$285,000	\$4,497	\$280,503	1.6%	D	Operations and Engineering staff identified the most critical sewer mains and maintenance holes to be included in this phase of sewer rehabilitation. Construction documents are being developed by in-house staff. The project is anticipated to be advertised for bid in Winter 2022/2023.	\$1,500,000	\$9,199	\$1,490,801
2	Condition Assessment & Rehab - Pump Stations	222010	KK	\$1,128,000	\$211,000	\$63,498	\$147,502	30.1%	Р	Staff engaged Kleinfelder through the outgoing as-needed agreements to provide preliminary structural engineering services to define project scope. Field visits were performed by the structural engineer and improvement recommendations documented in technical memorandum with associated construction costs. Next steps include engaging a current as-needed consultant to develop the construction documents.	\$1,128,000	\$65,761	\$1,062,239
3	Magnolia Ave/SR-67 Sewer Capacity Improvements	221023	KK	\$2,509,000	\$500,000	\$1,988	\$498,012	0.4%	Р	Staff prepared and advertised a Request for Proposal (RFP) to solicit qualified engineering consultant firms/teams to develop the construction documents. The RFP was advertised in October 2023 and staff anticipates requesting Board approval for the award of the design agreements in Winter 2022/2023.	\$2,509,000	\$2,532	\$2,506,468
4	IPS Influent Sewer	221022	KK	\$1,650,000	\$350,000	\$904	\$349,097	0.3%	Р	Staff is performing preliminary analysis and assessment of the influent trunk sewers that convey flows to the Influent Pump Station. Next steps include engaging an as-needed consultant to develop the construction documents. The project is anticipated to be advertised for bid in Summer 2023.	\$1,650,000	\$2,637	\$1,647,363
5	I-8 Unencased Main Replacement*	221007	WL	\$8,618,000	\$1,118,000	\$32,352	\$1,085,648	2.9%	D	Staff prepared and advertised RFP in July 2021 to solicit engineering design consultants. The Board awarded the engineering design contracts to Kimley-Horn in November 2021. The team is working to prepare for submission of project information to Caltrans to coordinate the required permit and development of 90% design plans and specifications.	\$8,618,000	\$220,934	\$8,397,066
6	Trans-River Sewer Siphon & Sludge Main*	220027	KK	\$3,874,564	\$374,564	\$100,107	\$274,457	26.7%	Р	The Board awarded the design to Weston at the Board meeting in April 2021. Weston has started the preliminary engineering analysis to evaluate improvement alternatives and development of construction cost estimates.	\$3,874,564	\$164,477	\$3,710,087
7	Contracted Valve Replacement*	219029	AS	\$1,340,054	\$1,340,054	\$235,668	\$1,104,386	17.6%	С	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. The Board awarded the construction contract to Burtech Pipeline on August 4, 2021. Project is delayed due to 40+ week lead time for the valves. A subsurface concrete block was encountered during pothole investigation in field at the intersection of Mission Gorge Road and Cuyamaca Street. Staff is in negotiations with Burtech to address the differing site condition.	\$1,340,054	\$463,668	\$876,386
8	Jerry Johnson & East County Square Reservoir Improvements*	219028 & 22201	2 WL	\$2,921,592	\$1,671,597	\$92,697	\$1,578,900	5.5%	D	Jerry Johnson and East County Square Reservoir Improvements will be packaged together and bid as a single project. Consultant services required to develop construction documents were issued through current as-needed consultants. Design budget was committed in FY 22. Design is nearing completion and advertisement for bid will be issued in November 2022.	\$2,921,597	\$133,252	\$2,788,345
9	Cordial Road Pipeline Replacement*	219026	WL	\$4,067,035	\$884,387	\$1,158,707	(\$274,320)	131.0%	PC	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 due to COVID, concurrent SDG&E construction impacting our project due to necessary coordination, addition of 120-feet of steel pipeline replacement, and staff subsequently negotiated a contract time extension with Ferreira. Construction was completed in August 2022. Due to the departure of PD staff who was conducting construction management and inspection services, these services were reassigned to a consultant, resulting in additional costs and overages. Project was added to the CIP for FY 18 thru FY 22 and funded from the Potable Water Reserve Fund.	\$4,067,035	\$4,341,355	(\$274,320)
10	Pump Station Improvements*	219004	WL	\$4,304,859	\$3,815,792	\$76,948	\$3,738,844	2.0%	С	The Board awarded the construction contract to Southern Contracting for six pump station sites. Staff will request the Board award the construction contracts at the regularly scheduled Board meeting on February 2, 2022. The notice to proceed was issued in March 2022 and anticipated construction completion is in March 2024. Construction budget was committed in FY 22 and construction is anticipated to be completed in Spring 2024.	\$4,304,859	\$787,791	\$3,517,068
11	Blossom Valley Reservoir Rehabilitation/Replacement*	218035	AS	\$15,049,775	\$1,344,020	\$57,608	\$1,286,412	4.3%	Р	Board awarded engineering design services agreement to Kennedy-Jenks at the Board meeting on June 15, 2022. Engineering analysis to recommend optimum reservoir volume is underway. Preliminary design and design budget was committed in FY 22 and construction budget is accounted for in FY 23 through FY 25 and is funded from the CIP Reserve Fund.	\$15,049,775	\$268,100	\$14,781,675
12	Potable Water Pipeline Condition Assessment*	218034	AS	\$2,443,850	\$688,824	\$72,004	\$616,820	10.5%	Р	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. Budget originally allocated for direct assessments will be utilized for additional indirect assessments. The field data will be utilized to update the District's Pipeline Risk Model.	\$2,451,000	\$827,031	\$1,623,969
13	Grossmont Tank Rehabilitation*	218024	AS	\$3,211,000	\$500,000	\$466,569	\$33,431	93.3%	PC	The Project was re-bid in April 2021. The Board awarded the construction contract to Pacific Tank on June 16, 2021. Construction was completed in August 2022. Construction budget was committed in FY 22 and construction completed in FY 23.	\$3,211,000	\$2,600,236	\$610,764
	TOTAL			\$49,888,987	\$13,037,149	\$1,258,581	\$11,778,568				\$49,896,147	\$5,638,937	\$44,257,210
Capitaliz 1	zed Operations  Annual Poly Service Replacement (ESA)	202032	Ops	\$460,000	\$92,000	\$34,037	\$57,963	37.0%		Capitalized Operations.	\$1,787,293	\$1,415,681	\$371,612
2	Annual Poly Service Replacement (WSA)	202032	Ops	\$1,100,000	\$220,000	\$88,388	\$131,612	40.2%		Capitalized Operations.	\$4,715,775	\$3,721,972	\$993,803
3	Annual Valve Replacement Program (ESA)	202034	Ops	\$1,520,000	\$304,000	\$106,197	\$197,803	34.9%		Capitalized Operations.	\$4,891,963	\$3,403,241	\$1,488,722
4 5	Annual Valve Replacement Program (WSA) As Needed Site Paving	99017 216035	Ops Ops	\$1,745,000 \$685,000	\$349,000 \$137,000	\$31,278 \$0	\$317,722 \$137,000	9.0% 0.0%		Capitalized Operations. Capitalized Operations.	\$10,376,883 \$1,159,490	\$8,631,883 \$474,490	\$1,745,000 \$685,000
-	TOTAL		- 1-	\$5,510,000	\$1,102,000	\$259,900	\$842,100				\$22,931,404	\$17,647,267	\$5,284,137
	COMBINED TOTAL					\$1,518,481	\$12,620,668	Į		1			
	COMIDINED TOTAL			\$55,398,987	\$14,139,149	31,318,481	312,02U,008				\$72,827,551	\$23,286,204	\$49,541,347

Status

\*Includes committed budget from FY18 through FY22

P Planning
D Design
C Construction

PC Post Construction

1 of 1



# **BOARD AGENDA REPORT**

Meeting Date: 11-28-2022
Dept. Head: Mark Niemiec
Submitted by: Mark Niemiec

**Department:** AWP

<b>SUBJECT:</b> EAST COUNTY AWP EXECUTIVE OVERVIEW REPORT	
RECOMMENDATION(S):	
Note and file; informational report only.	
ALTERNATIVE(S):	
None	
ATTACHMENT(S):	
1. East County AWP Executive Overview Report – November 202	2
<u>FUNDING</u> :	
Requested amount: n/a 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 Business Strategic Objections: Customer Experience; Fiscal Stability; Operat Management; Talent Management; Technology and Innovation.	
Reviewed by:       Action Required:       Policy Updates:         Dept Head       Motion       Rules & Regulations         Finance       Resolution       Standard Practices         Legal Counsel       Ordinance       Standard Practices         Standard Form       None       & Policies	Action Taken:  As Recommended  Reso/Ord. No  Other

The quarterly East County Advanced Water Purification Executive Overview Report for November 2022 is attached. This report is intended to provide the Board with key project status updates. The report has been updated to be more extensive as construction has started. The updated report now includes construction photos and package specific financials, safety information, activities, milestones, work updates and public outreach highlights. Packages 1, 2 and 3 each have a specific page dedicated to the details and information for that package. A page for package 4 will be added at a later date as additional work is approved and progresses.

The report includes charts, graphics, text and photos to provide a thorough overview and understanding of the current project work within each package. This report is provided quarterly to this Committee as a "Note and File" informational item.

#### **RECOMMENDATION(S):**

Note and file; informational report only.



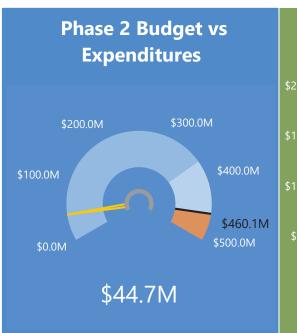
# EAST COUNTY AWP QUARTERLY EXECUTIVE OVERVIEW NOVEMBER 2022

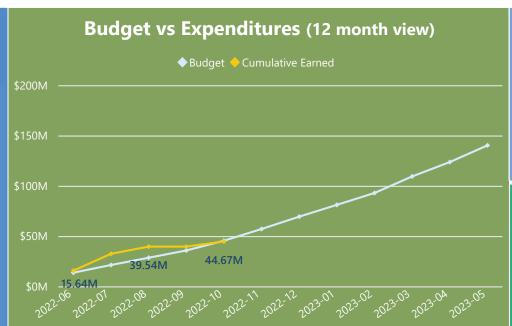




# Package 1

This package 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.







Safety				
· ·	#	Industry Avg.		
Cumulative Project Manhours	79248			
Lost Time Incident Rate	0	1.3		
Near Miss Incident Rate	1	0.7		
Total Recordable Incident Rate	0	2		



# Phase 2 Schedule Activities

Activity	Monthly	Monthly Trend		
WRF Construction Roll-Up	<b>♣</b>	-20 days		
Startup, Testing and Commissioning	$\rightarrow$	-3 days		
SHF Construction Roll-Up	<b>♣</b>	-21 days		
Final Design Deliverables	$\rightarrow$	-7 days		
Common	$\rightarrow$	0 days		
AWP Construction Roll-Up	$\Rightarrow$	-3 days		

# Phase 2 Milestones

Milestone	Monthly	Trend
Phase 2 Completion-Actual	<b>&gt;</b>	-14 days
Phase 2 Completion-Required (June 22, 2026)	$\Rightarrow$	0 days
Phase 2 Mechanical Completion-Actual	$\Rightarrow$	-8 days
Phase 2 Notice to Proceed #1	$\Rightarrow$	0 days
<b>Legend: ♦</b> Trend ≤ -20 days → -20 days < Trend < 20 days	↑ Trend ≥ 20 days	

# **Package 1 Work Highlights**

- Actively working with the DB to advance the design to 100%. Expecting to complete the raft 100% design documents in February 2023.
- Continued with issuing the major equipment bid package purchase orders.
- Mass grading started and ongoing including filling Ponds A and B sites with import soil.
- Utility relocations north of Pond A area has been started and still ongoing.
- Received Authority to Construct permits from the Air Pollution Control District.
- Received DDW comments on Draft 2- Title 22 Engineering Report, currently working on finalizing the Report.
- Submitted Draft Report of Waste Discharge for the Lake Jennings to the Regional Board for their review.

#### **Public Outreach**

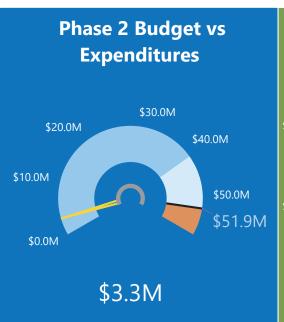


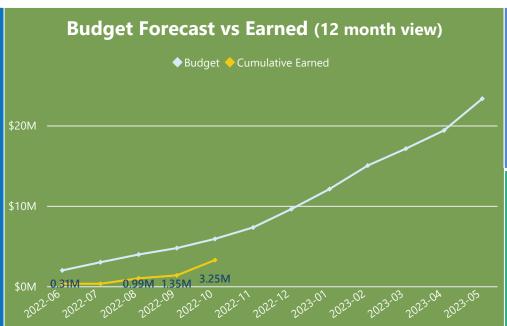
- Planning and design of exhibits for new Visitor's Center.
- Held a pop-up event at the corner of Fanita Pkwy and Ganley to talk with residents about potential impacts of construction.
- Mailer sent to Strathmore and Fanita Pkwy neighborhoods about upcoming construction, truck dirt hauling and tree removal.
- Planning outreach efforts related to upcoming concrete works during night hours.



# Package 2

This package includes the design and construction of a 10-mile purified water pipeline, dechlorination facility, above grade water feature, and a Lake Jennings Reservoir inlet.







Safety		
· 	#	Industry Avg.
Cumulative Project Manhours	60679	
Lost Time Incident Rate	0	1.3
Near Miss Incident Rate	0	0.7
Total Recordable Incident Rate	0	2









TEMPORARY TRAILS CLOSURE	TRAILS CLOSED AHEAD	TRAILS CLOSED	FLUME TRAIL PARKING CLOSED
		清	Continue 3.3 MILES to El Monte Trailhead
6		0	

# Phase 2 Schedule Activities Activity Monthly Trend 100% DESIGN DOCUMENT DELIVERABLES → 0 days CONSTRUCTION → 0 days ENVIRONMENTAL AND PERMITTING ↑ 30 days

Construction Start (Notice to Proceed)  Released for Construction Drawings and Specifications  2 days  Phase 2 Notice to Proceed  Package 2 - Ready to Receive Water  84 days	Phase 2 Milestones			
Construction Start (Notice to Proceed)  Released for Construction Drawings and Specifications  Phase 2 Notice to Proceed  Package 2 - Ready to Receive Water  2 days  84 days	Milestone	Monthly Trend		
Released for Construction Drawings and Specifications  2 days  Phase 2 Notice to Proceed  Package 2 - Ready to Receive Water  84 days	Package 2 Final Acceptance	<b>&gt;</b>	0 days	
Phase 2 Notice to Proceed  Package 2 - Ready to Receive Water  22 days  84 days	Construction Start (Notice to Proceed)	$\Rightarrow$	2 days	
Package 2 - Ready to Receive Water 84 days	Released for Construction Drawings and Specifications	$\Rightarrow$	2 days	
	Phase 2 Notice to Proceed	1	22 days	
Package 2 Completion Milestone 84 days	Package 2 - Ready to Receive Water	1	84 days	
i and a second	Package 2 Completion Milestone	1	84 days	

Legend: 

Trend ≤ -20 days 

-20 days < Trend < 20 days 

Trend ≥ 20 days

# **Package 2 Work Highlights**

- Orion Construction is scheduled to submit the final 100% plans and specification on November 17th a major milestone. The JPA will have four weeks to review the submittal and construction is scheduled to begin immediately after the submittal review.
- Lakeside Water District raised several minor concerns about the design of the AWP 24-inch steel pipeline. The first concern is the locations our pipeline crosses Lakeside's asbestos cement pipes (ACP). Lakeside accepted our proposal to replace several of their ACP pipes with PVC pipe to protect their infrastructure. We are also preparing a design improvement that will include relocating a short section of Lakeside's 20-inch ACP pipe to provide room to complete required jack and boring under Highway 67. We will continue to coordinate with Lakeside WD to get their approval on this design change.
- Orion Construction removed trees along Fanita Parkway to provide access to the pipeline alignment for construction.
- Orion Construction has submitted 15 Phase II submittals. The JPA has reviewed the submittals with minimal required revisions.

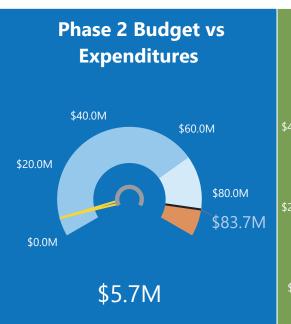
#### **Public Outreach**

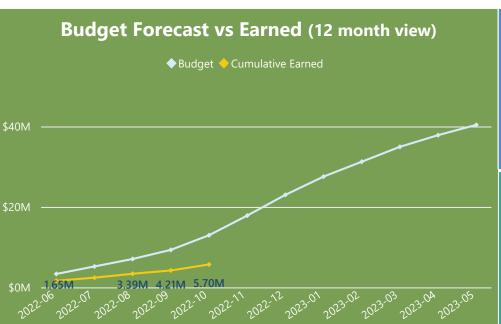
- Construction notices mailed to residents around the El Monte Valley pipeline segments to inform about the pipeline work.
- Outreach team worked with the County Park staff related to El Monte Flue trail construction closure. Developed signage that is posted in multiple locations related to the trail closure.
- Notifications delivered to residents in the Fanita Parkway neighborhoods about the tree removal and future water pipeline.



# Package 3

This package includes retrofits and capacity expansions of the Influent Pump Station and East Mission Gorge Pump Station, as well as the installation of a 3.5 mile long force main, a 3 mile long residuals bypass pipeline and a 1.7 million gallon a day lift station for the residuals bypass system.







# **Safety**

, 	#	Industry Avg.
Cumulative Project Manhours	26942	
Lost Time Incident Rate	0	1.3
Near Miss Incident Rate	0	0.7
Total Recordable Incident Rate	0	2









#### **Phase 2 Schedule Activities**

Activity	Month	ly Trend
Early Works Packages	$\rightarrow$	15 days
EMGPS-RBPS FM Construction Roll-Up	$\Rightarrow$	19 days
Final Design Deliverables	<b>₩</b>	-22 days
HDD Construction Roll-Up	$\Rightarrow$	-10 days
IPS Construction Roll-Up	1	38 days
Mobilization & Demobilization	$\Rightarrow$	8 days
RBPS Construction Roll-Up	<b>↓</b>	-21 days

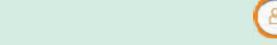
<b>Phase 2 Milestones</b>	
	Monthly Trend

MilestoneMonthly TrendPhase 2 Construction Start after Notice to Proceed↑42 daysPhase 2 Mechanical Completion-Actual→0 daysPhase 2 Notice to Proceed↑61 daysPhase 2 Process Completion-Actual→0 days

### **Package 3 Work Highlights**

- Package 3 has submitted Early Work Package #1 for the Horizontal Directional Drill alignment, and EWP #2 for the Open Cut Section along Fanita Parkway and along Lakes 1, 2, 3 and 4.
- Preparation for construction on Fanita Parkway has begun, including BMP installation, potholing activities, tree removals and pipe deliveries.
- Permitting is almost complete. Package 3 is continuing to coordinate with SDG&E on a deviation request. Requirements to satisfy the deviation have been tentatively agreed, pending a final signed agreement between the JPA and SDG&E.
- Mobilizing at East Mission Gorge Pump Station and Santee Lakes to begin in mid-November.

#### **Public Outreach**



- Developing mailer to residents around Santee Lakes and Fanita Parkway about pipeline construction efforts beginning on Fanita Pkwy, in Santee Lakes and at the East Mission Gorge Pump Station.
- Communicated with residents on tree removal on west side of Fanita Pkwy.