



**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:**

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.

## **A G E N D A**

### **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 [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**

- **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.
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.

- **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**

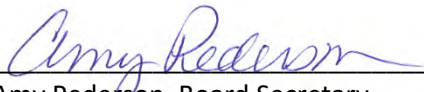
Directors' comments are to be related to District business which may be of interest to the Board. They are placed on the agenda to enable individual Board Members to convey information to the Board and the Public. There is to be no discussion or action taken on comments made by Board Members.

- **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



## COMMITTEE AGENDA REPORT

**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.

**ATTACHMENT(S):**

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:**

Dept Head ☒  
Finance ☐  
Legal Counsel ☐  
Standard Form ☐

**Action Required:**

Motion ☒  
Resolution ☐  
Ordinance ☐  
None ☐

**Policy Updates:**

Rules & Regulations ☐  
Standard Practices & Policies ☐

**Action Taken:**

As Recommended \_\_\_\_\_  
Reso/Ord. No. \_\_\_\_\_  
Other \_\_\_\_\_

## **EXECUTIVE SUMMARY:**

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.



**PADRE DAM**  
Municipal Water District

**COMMITTEE AGENDA REPORT**

**Meeting Date:** 11-28-2022  
**Dept. Head:** Jeff Moneda  
**Submitted by:** Adelina Sanchez  
**Department:** Engineering  
**Approved by:** Kyle Swanson, CEO/GM

**SUBJECT:** PIPELINE CONDITION ASSESSMENT PROJECT (JN 218034)

**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:**

Dept Head ☒  
Finance ☐  
Legal Counsel ☐  
Standard Form ☐

**Action Required:**

Motion ☐  
Resolution ☐  
Ordinance ☐  
None ☒

**Policy Updates:**

Rules & Regulations ☐  
Standard Practices & Policies ☐

**Action Taken:**

As Recommended \_\_\_\_\_  
Reso/Ord. No. \_\_\_\_\_  
Other \_\_\_\_\_

## **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.



## COMMITTEE AGENDA REPORT

**Meeting Date:** 11-28-2022  
**Dept. Head:** Jeff Moneda  
**Submitted by:** Lewis Clapp  
**Department:** Engineering  
**Approved by:** Kyle Swanson, CEO/GM

**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

**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	<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:**

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.



## COMMITTEE AGENDA REPORT

**Meeting Date:** 11-28-2022  
**Dept. Head:** Jeff Moneda, PE  
**Submitted by:** Michael Hindle, PE  
**Department:** Engineering  
**Approved by:** Kyle Swanson, 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 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	<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 September 2022.

**RECOMMENDATION(S):**

Note and file; informational report only.

Status	Note
P Planning	*Includes committed budget from FY18 through FY22
D Design	
C Construction	
PC Post Construction	



## BOARD AGENDA REPORT

**Meeting Date:** 11-28-2022  
**Dept. Head:** Mark Niemiec  
**Submitted by:** Mark Niemiec  
**Department:** AWP  
**Approved by:** Kyle Swanson, CEO/GM

**SUBJECT:** 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 2022

**FUNDING:**

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 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.

<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:**

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.





Attachment 1

# EAST COUNTY AWP QUARTERLY EXECUTIVE OVERVIEW NOVEMBER 2022



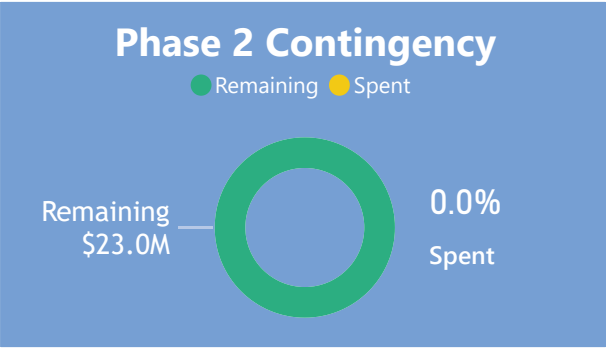
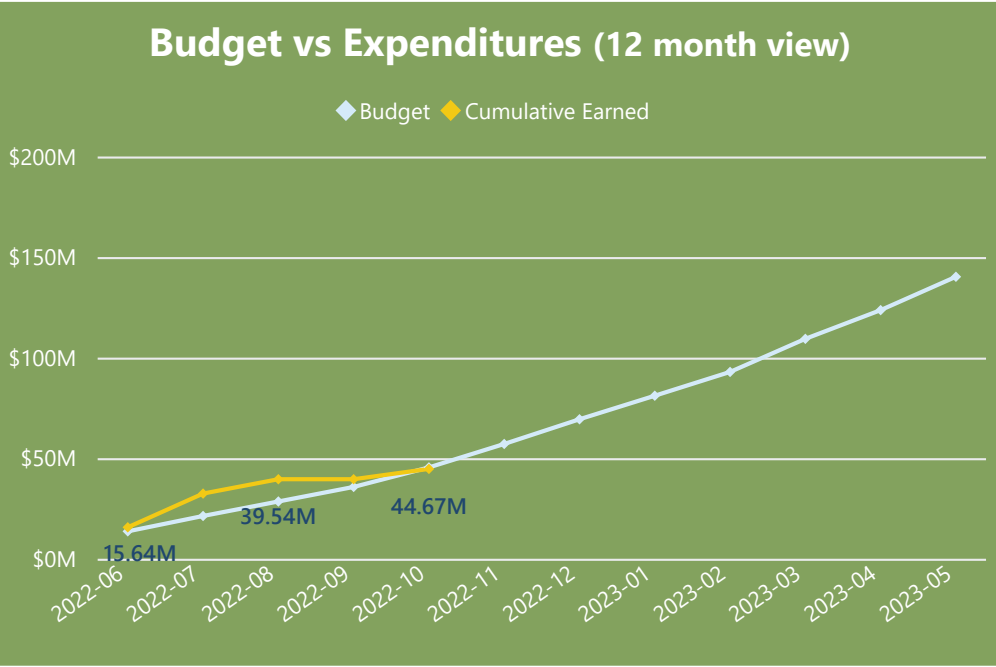
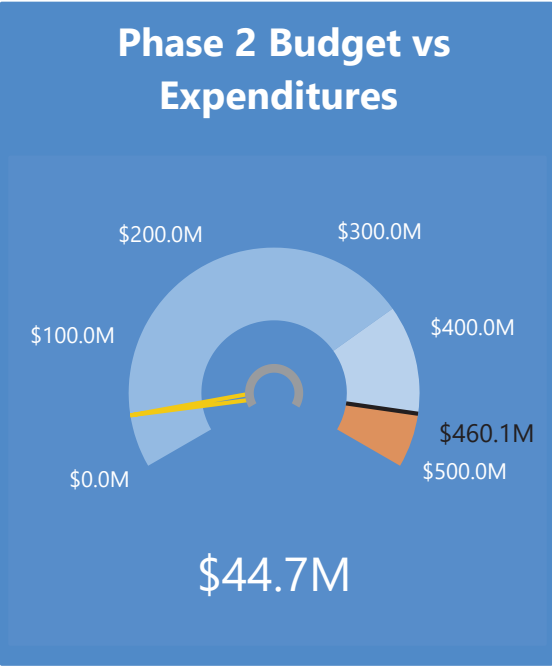
East County  
Advanced Water  
Purification





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 Trend
WRF Construction Roll-Up	↓ -20 days
Startup, Testing and Commissioning	→ -3 days
SHF Construction Roll-Up	↓ -21 days
Final Design Deliverables	→ -7 days
Common	→ 0 days
AWP Construction Roll-Up	→ -3 days

### Phase 2 Milestones

Milestone	Monthly Trend
Phase 2 Completion-Actual	→ -14 days
Phase 2 Completion-Required (June 22, 2026)	→ 0 days
Phase 2 Mechanical Completion-Actual	→ -8 days
Phase 2 Notice to Proceed #1	→ 0 days

Legend: ↓ 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

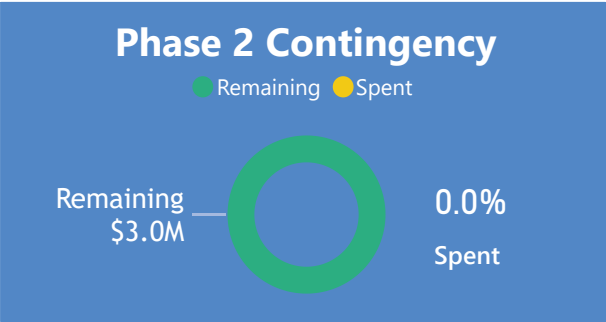
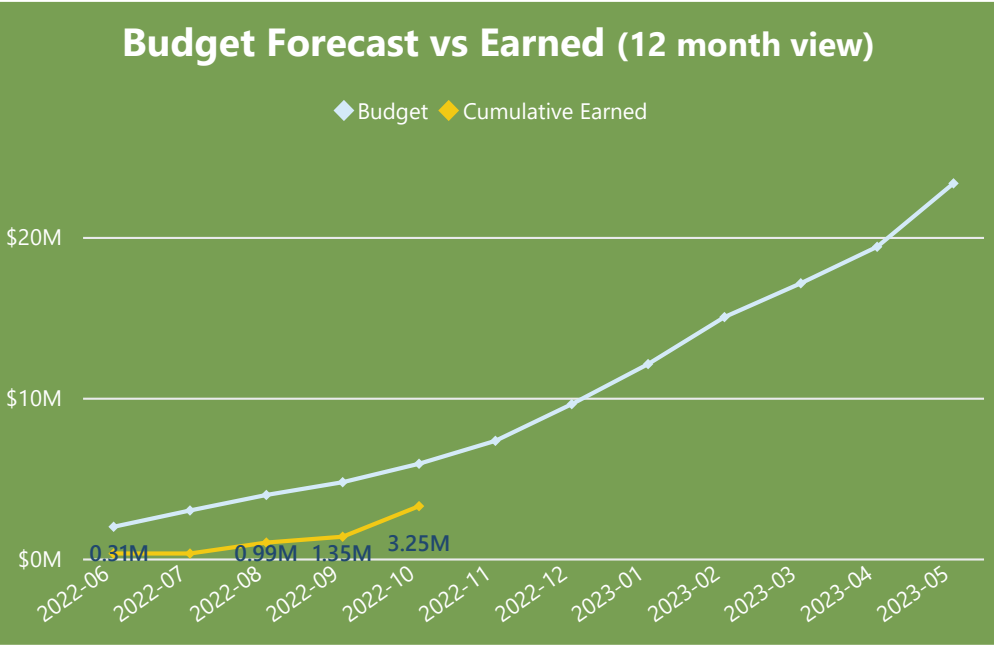
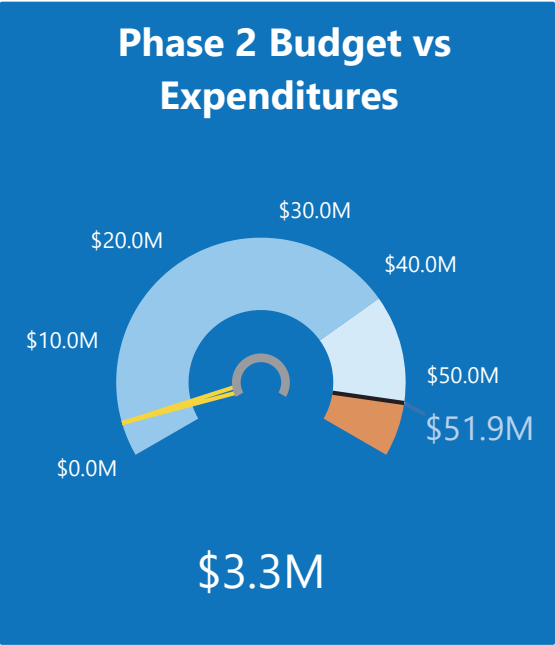
- Planning and design of exhibits for new Visitor's Center.
- Held a pop-up event at the corner of Fanita Pkwy and Ganley to talk with residents about potential impacts of construction.
- Mailer sent to Strathmore and Fanita Pkwy neighborhoods about upcoming construction, truck dirt hauling and tree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

### Phase 2 Schedule Activities

Activity	Monthly Trend
100% DESIGN DOCUMENT DELIVERABLES	→ 0 days
CONSTRUCTION	→ 0 days
ENVIRONMENTAL AND PERMITTING	↑ 30 days

### Phase 2 Milestones

Milestone	Monthly Trend
Package 2 Final Acceptance	→ 0 days
Construction Start (Notice to Proceed)	→ 2 days
Released for Construction Drawings and Specifications	→ 2 days
Phase 2 Notice to Proceed	↑ 22 days
Package 2 - Ready to Receive Water	↑ 84 days
Package 2 Completion Milestone	↑ 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.

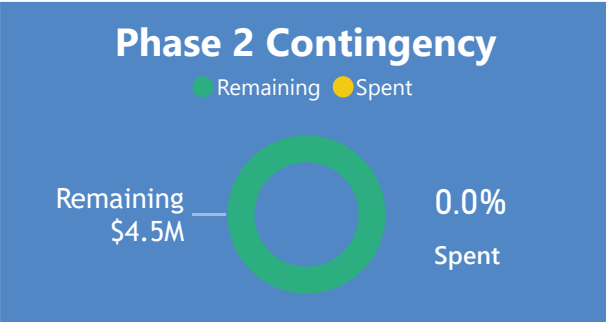
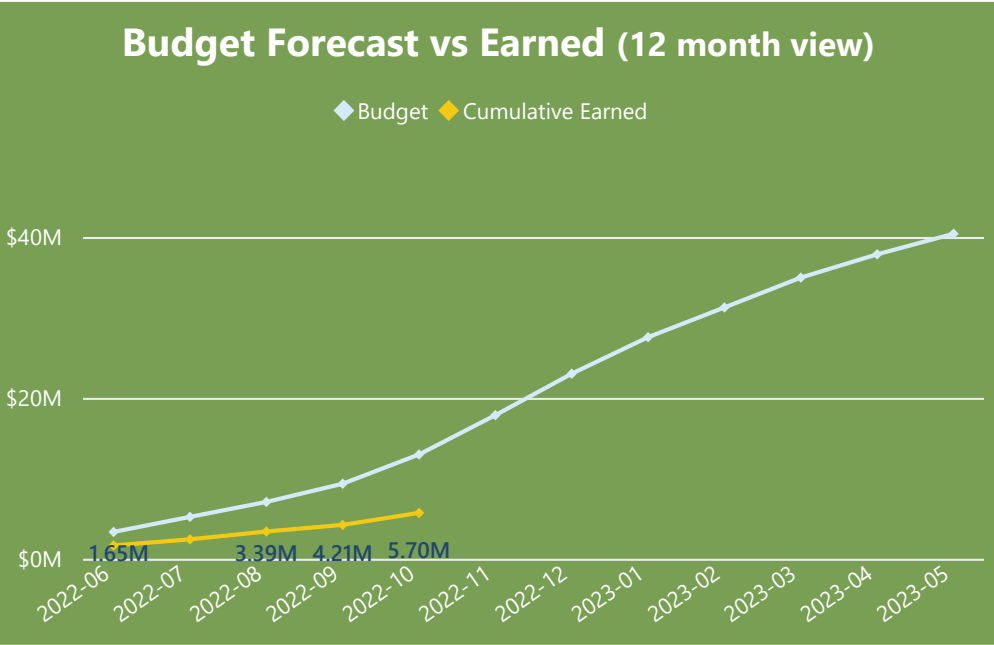
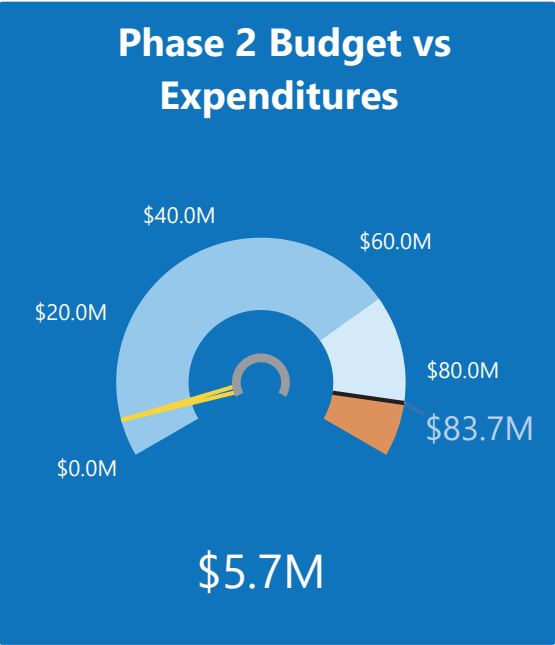






Package 3

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	Monthly Trend
Early Works Packages	→ 15 days
EMGPS-RBPS FM Construction Roll-Up	→ 19 days
Final Design Deliverables	↓ -22 days
HDD Construction Roll-Up	→ -10 days
IPS Construction Roll-Up	↑ 38 days
Mobilization & Demobilization	→ 8 days
RBPS Construction Roll-Up	↓ -21 days

### Phase 2 Milestones

Milestone	Monthly Trend
Phase 2 Construction Start after Notice to Proceed	↑ 42 days
Phase 2 Mechanical Completion-Actual	→ 0 days
Phase 2 Notice to Proceed	↑ 61 days
Phase 2 Process Completion-Actual	→ 0 days

Legend: ↓ Trend ≤ -20 days → -20 days < Trend < 20 days ↑ Trend ≥ 20 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.

