



AGENDA
REGULAR MEETING OF THE BOARD OF DIRECTORS
District Board Room, 2890 Mosquito Road, Placerville, California
June 26, 2023 — 9:00 A.M.

Board of Directors

Brian K. Veerkamp—Division 3
President

Alan Day—Division 5
Vice President

George Osborne—Division 1
Director

Pat Dwyer—Division 2
Director

Lori Anzini—Division 4
Director

Executive Staff

Jim Abercrombie
General Manager

Brian D. Poulsen
General Counsel

Jennifer Sullivan
Clerk to the Board

Jesse Saich
Communications

Brian Mueller
Engineering

Jamie Bandy
Finance

Jose Perez
Human Resources

Tim Ranstrom
Information Technology

Dan Corcoran
Operations

PUBLIC COMMENT: Anyone wishing to comment about items not on the Agenda may do so during the public comment period. Those wishing to comment about items on the Agenda may do so when that item is heard and when the Board calls for public comment. Public comments are limited to five minutes per person.

PUBLIC RECORDS DISTRIBUTED LESS THAN 72 HOURS BEFORE A MEETING: Any writing that is a public record and is distributed to all or a majority of the Board of Directors less than 72 hours before a meeting shall be available for immediate public inspection in the office of the Clerk to the Board at the address shown above. Public records distributed during the meeting shall be made available at the meeting.

AMERICANS WITH DISABILITIES ACT: In accordance with the Americans with Disabilities Act (ADA) and California law, it is the policy of El Dorado Irrigation District to offer its public programs, services, and meetings in a manner that is readily accessible to everyone, including individuals with disabilities. If you are a person with a disability and require information or materials in an appropriate alternative format, or if you require any other accommodation for this meeting, please contact the EID ADA coordinator at 530-642-4045 or email at adacoordinator@eid.org at least 72 hours prior to the meeting. Advance notification within this guideline will enable the District to make reasonable accommodations to ensure accessibility.

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PUBLIC PARTICIPATION INSTRUCTIONS

Instructions to join the Board Meeting by telephone only

No accompanying computer or mobile device required. This option will allow participants to listen to Board meeting audio and address the Board during public comment periods by pressing *9 on the telephone keypad.

Dial **1.669.900.6833** and enter Meeting ID **945 6360 8941** when prompted.

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CALL TO ORDER

Roll Call
Pledge of Allegiance
Moment of Silence

ADOPT AGENDA

COMMUNICATIONS

General Manager's Employee Recognition

PUBLIC COMMENT

COMMUNICATIONS

General Manager

Brief reports on District activities or items of interest to the public, including activities or developments that occur after the agenda is posted.

Clerk to the Board

Board of Directors

Brief reports on community activities, meetings, conferences and seminars attended by the Directors of interest to the District and the public.

APPROVE CONSENT CALENDAR

Action on items pulled from the Consent Calendar

CONSENT CALENDAR

1. Clerk to the Board (Sullivan)

Consider approving the minutes of the June 12, 2023 regular meeting of the Board of Directors.

Option 1: Approve as submitted.

Option 2: Take other action as directed by the Board.

Option 3: Take no action.

Recommended Action: Option 1.

2. Engineering (DeLongchamp/Money)

Consider authorizing additional funding of \$15,000 for capitalized labor for the No Name Creek Gauging Project, Project No. 20017.01; \$35,000 for construction services, \$10,000 for construction inspection services and \$15,000 for capitalized labor for a total funding request of \$60,000 for the El Dorado Main #2 Assessment, Project No. STUDY15; and \$21,199 for construction engineering services and \$45,000 for capitalized labor for a total funding request of \$66,199 for the Flume 45 Abutment Replacement Project, Project No. 17025.01.

Option 1: Authorize additional funding of \$15,000 for capitalized labor for the No Name Creek Gauging Project, Project No. 20017.01; \$35,000 for construction services, \$10,000 for construction inspection services and \$15,000 for capitalized labor for a total funding request of \$60,000 for the El Dorado Main #2 Assessment, Project No. STUDY15; and \$21,199 for construction engineering services and \$45,000 for capitalized labor for a total funding request of \$66,199 for the Flume 45 Abutment Replacement Project, Project No. 17025.01.

Option 2: Take other action as directed by the Board.

Option 3: Take no action.

Recommended Action: Option 1.

3. Office of the General Counsel (Poulsen)

Consider approving a cost-share agreement with the Sacramento Water Forum and authorize payments of \$50,506 for the fiscal year 2023-2024 and \$50,506 for 2024-2025.

Option 1: Approve a cost-share agreement with the Sacramento Water Forum and authorize payments of \$50,506 for the fiscal year 2023-2024 and \$50,506 for 2024-2025.

Option 2: Take other action as directed by the Board.

Option 3: Take no action.

Recommended Action: Option 1.

END OF CONSENT CALENDAR

INFORMATION ITEMS

4. Finance (Bandy)

March 31, 2023 Financial Update.

Recommended Action: None – Information only.

5. Engineering (Money)

Update on alternative energy infrastructure, including in-conduit hydro, solar and battery storage.

Recommended Action: None – Information only.

6. Operations (Baxter)

Status update on 2023 water supplies.

Recommended Action: None – Information only.

ACTION ITEMS

7. Finance (Bandy)

Consider ratifying EID General Warrant Registers for the periods ending June 6 and June 13, 2023, and Board and Employee Expense Reimbursements for these periods.

Option 1: Ratify EID General Warrant Registers and Board and Employee Expense Reimbursements as submitted.

Option 2: Take other action as directed by the Board.

Option 3: Take no action.

Recommended Action: Option 1.

REVIEW OF ASSIGNMENTS

ADJOURNMENT

TENTATIVELY SCHEDULED ITEMS FOR FUTURE MEETINGS

Engineering

- El Dorado Hills Wastewater Treatment Plant filter rehabilitation, Action, July 24 (Eden-Bishop)
- Silver Lake Well construction and consider addendum to the Mitigated Negative Declaration for Caples Lake and Silver Lake East Campground Improvements Project, Action, July 24 (Kelsch)

Finance

- Cost of Service Analysis status update, Information, July 24 (Bandy)
- First Quarter Investment Report, Consent, July 24 (Bandy)
- Customer Satisfaction Survey results, Information, July 24 (Downey)
- Headquarters facility maintenance and improvements project, Action, July 24 (Royal)
- Annual Tax Roll 2023-2024, Consent, July 24 (Downey)

Information Technology

- Enterprise server replacement, Action, July 24 (Proctor)

Office of the General Counsel

- Hidden Lake Surplus Property Declaration APN 105-210-021, Consent, July 24 (Poulsen)

Operations

- Echo Conduit storm damage repair, Action, July 24 (Mutschler)



MINUTES
REGULAR MEETING OF THE BOARD OF DIRECTORS
District Board Room, 2890 Mosquito Road, Placerville, California
June 12, 2023 — 9:00 A.M.

Board of Directors

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Vice President

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Director

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CALL TO ORDER

President Veerkamp called the meeting to order at 9:02 A.M.

Roll Call Board

Present: Directors Osborne, Dwyer, Veerkamp, Anzini and Day

Staff

Present: General Manager Abercrombie, General Counsel Poulsen and Board Clerk Sullivan

Pledge of Allegiance and Moment of Silence

Director Dwyer led the Pledge of Allegiance and a Moment of Silence for the school children involved in the Pollock Pines accident.

ADOPT AGENDA

ACTION: Agenda was adopted.

MOTION PASSED

Ayes: Directors Day, Anzini, Osborne, Dwyer and Veerkamp

COMMUNICATIONS

Awards and Recognitions

General Manager Abercrombie recognized EID staff members Matt Keeler and Matt Heape.

PUBLIC COMMENT

None

COMMUNICATIONS

General Manager

None

Clerk to the Board

None

Board of Directors

Director Veerkamp reported on his attendance at the recent El Dorado Local Agency Formation Commission Board meeting. He also encouraged the public to attend the upcoming El Dorado County Fair.

APPROVE CONSENT CALENDAR

ACTION: Consent Calendar was approved.

MOTION PASSED

Ayes: Directors Dwyer, Osborne, Veerkamp, Anzini and Day

CONSENT CALENDAR

1. Clerk to the Board (Sullivan)

Consider approving the minutes of the May 22, 2023 regular meeting of the Board of Directors.

ACTION: Option 1: Approved as submitted.

MOTION PASSED

Ayes: Directors Dwyer, Osborne, Veerkamp, Anzini and Day

2. Office of the General Counsel (Sarge)

Consider adopting a resolution quitclaiming an unused easement to the landowner of Assessor Parcel No. 317-170-013.

ACTION: Option 1: Adopted Resolution No. 2023-013 quitclaiming an unused easement to the landowner of Assessor Parcel No. 317-170-013.

MOTION PASSED

Ayes: Directors Dwyer, Osborne, Veerkamp, Anzini and Day

3. Clerk to the Board (Sullivan)

Consider supporting the nomination and election of Jim Abercrombie, General Manager, to serve on the Association of California Water Agencies Region 3 Board of Directors for the 2024-2025 term.

ACTION: Option 1: Supported the nomination and election of Jim Abercrombie, General Manager, to serve on the Association of California Water Agencies Region 3 Board of Directors for the 2024-2025 term.

MOTION PASSED

Ayes: Directors Dwyer, Osborne, Veerkamp, Anzini and Day

4. Engineering (Money)

Consider authorizing additional funding in the amounts of \$18,000 for engineering services and \$20,000 for capitalized labor for a total funding request of \$38,000 for the Reservoir A Water Treatment Plant Programmable Logic Controller Replacement Project, Project No. 19033.01.

ACTION: Option 1: Authorized additional funding in the amounts of \$18,000 for engineering services and \$20,000 for capitalized labor for a total funding request of \$38,000 for the Reservoir A Water Treatment Plant Programmable Logic Controller Replacement Project, Project No. 19033.01.

MOTION PASSED

Ayes: Directors Dwyer, Osborne, Veerkamp, Anzini and Day

END OF CONSENT CALENDAR

INFORMATION ITEMS

5. Engineering (Carrington)

Capital Improvement Plan project completion summary.

ACTION: None – Information only.

WORKSHOP ITEMS

6. Finance (Bandy)

Cost of Service Analysis Workshop.

ACTION: None – Information only.

ACTION ITEMS

7. Office of the General Counsel (Leeper)

Consider approving recommendations of Reeb Government Relations, LLC, as the District's official positions on proposed state legislation.

ACTION: Option 2: Took other action as directed by the Board.

Approved recommendations of Reeb Government Relations, LLC, as the District's official positions on proposed state legislation as presented modifying the official position on AB 1484 to oppose unless amended.

MOTION PASSED

Ayes: Directors Anzini, Day, Osborne, Dwyer and Veerkamp

8. Operations (Wilson)

Consider ratifying the General Manager's approval of a contract amendment to ERS Industrial Services Inc. in the not-to-exceed amount of \$64,380 for the emergency rehabilitation of El Dorado Hills Water Treatment Plant Clarifier #1 and authorize funding of \$128,760 for clarifier fabrication and installation for the El Dorado Hills Water Treatment Plant Clarifier Rehabilitation Project, Project No. 23023.01, which staff has determined is exempt from the California Environmental Quality Act.

ACTION: Option 1: Ratified the General Manager's approval of a contract amendment to ERS Industrial Services Inc. in the not-to-exceed amount of \$64,380 for the emergency rehabilitation of El Dorado Hills Water Treatment Plant Clarifier #1 and authorized funding of \$128,760 for clarifier fabrication and installation for the El Dorado Hills Water Treatment Plant Clarifier Rehabilitation Project, Project No. 23023.01, which staff has determined is exempt from the California Environmental Quality Act.

MOTION PASSED

Ayes: Directors Osborne, Day, Dwyer, Veerkamp and Anzini

9. Finance (Bandy)

Consider ratifying EID General Warrant Registers for the periods ending April 18, April 25, May 2 and May 9, 2023, and Employee Expense Reimbursements for these periods.

Director Veerkamp recused himself from the deliberations and vote on this Item.

ACTION: Option 1: Ratified the EID General Warrant Registers and Employee Expense Reimbursements as submitted.

MOTION PASSED

Ayes: Directors Osborne, Dwyer, Anzini and Day

10. Finance (Bandy)

Consider ratifying EID General Warrant Registers for the periods ending May 16, May 23, and May 30, 2023, and Board and Employee Expense Reimbursements for these periods.

Director Veerkamp recused himself from the deliberations and vote on this Item.

ACTION: Option 1: Ratified the EID General Warrant Register and Board and Employee Expense Reimbursements as submitted.

MOTION PASSED

Ayes: Directors Dwyer, Anzini, Osborne and Day

11. Engineering (DeLongchamp)

Consider awarding contracts to Doug Veerkamp General Engineering, Inc. in the not-to-exceed amount of \$4,171,246.80 for construction and MCK Americas, Inc. in the not-to-exceed amount of \$201,000 for construction management and inspection services for the Forebay Road Waterline and Drop Off Road Waterline Replacement Projects; and authorize additional funding for the Forebay Road Waterline Replacement, Project No. 18040.01 of \$3,123,978.50 for construction, \$131,030 for construction management and inspection, \$29,940 for geotechnical services, \$150,000 for El Dorado County Department of Transportation inspection fees, \$93,000 for capitalized labor, and \$328,495 in contingencies for a total funding request of \$3,856,443.50 and for the Drop Off Road Waterline Replacement, Project No. 20030.01 of \$1,047,268.30 for construction, \$69,970 for construction management and inspection, \$11,820 for geotechnical services, \$57,000 for capitalized labor, and \$112,905 in contingencies for a total funding request of \$1,298,963.30; which projects staff has determined are exempt from the California Environmental Quality Act.

Director Veerkamp recused himself from the deliberations and vote on this Item.

ACTION: Option 1: Awarded contracts to Doug Veerkamp General Engineering, Inc. in the not-to-exceed amount of \$4,171,246.80 for construction and MCK Americas, Inc. in the not-to-exceed amount of \$201,000 for construction management and inspection services for the Forebay Road Waterline and Drop Off Road Waterline Replacement Projects; and authorized additional funding for the Forebay Road Waterline Replacement, Project No. 18040.01 of \$3,123,978.50 for construction, \$131,030 for construction management and inspection, \$29,940 for geotechnical services, \$150,000 for El Dorado County Department of Transportation inspection fees, \$93,000 for capitalized labor, and \$328,495 in contingencies for a total funding request of \$3,856,443.50 and for the Drop Off Road Waterline Replacement, Project No. 20030.01 of \$1,047,268.30 for construction, \$69,970 for construction management and inspection, \$11,820 for geotechnical services, \$57,000 for capitalized labor, and \$112,905 in contingencies for a total funding request of \$1,298,963.30; which projects staff has determined are exempt from the California Environmental Quality Act.

MOTION PASSED

Ayes: Directors Osborne, Dwyer, Anzini and Day

CLOSED SESSION

A. Conference with General Counsel—Pending Litigation (Poulsen)

Government Code Sections 54956.9(d)(1)

(Association of El Dorado Irrigation District Employees v. El Dorado Irrigation District, Public Employee Relations Board, Case No. SA-IM-244-M)

ACTION: Board met with staff and provided direction but took no reportable action.

REVIEW OF ASSIGNMENTS

None

ADJOURNMENT

President Veerkamp adjourned the meeting at 12:18 P.M.

Brian K. Veerkamp
Board President
EL DORADO IRRIGATION DISTRICT

ATTEST

Jennifer Sullivan
Clerk to the Board
EL DORADO IRRIGATION DISTRICT

Approved: _____

EL DORADO IRRIGATION DISTRICT

SUBJECT: Consider authorizing additional funding of \$15,000 for capitalized labor for the No Name Creek Gauging Project, Project No. 20017.01; \$35,000 for construction services, \$10,000 for construction inspection services and \$15,000 for capitalized labor for a total funding request of \$60,000 for the El Dorado Main #2 Assessment, Project No. STUDY15; and \$21,199 for construction engineering services and \$45,000 for capitalized labor for a total funding request of \$66,199 for the Flume 45 Abutment Replacement Project, Project No. 17025.01.

PREVIOUS BOARD ACTION

No Name Creek Diversion Gauging Project, Project No. 20017.01

June 27, 2022 – Board authorized additional funding for the No Name Creek Diversion Gauging Project of \$76,000 for capitalized labor and \$15,000 for material purchases for a total funding request of \$91,000 for the No Name Creek Diversion Gauging Project, Project No. 20017.01.

El Dorado Main #2 Assessment, Project No. STUDY15

October 24, 2022 – Board awarded a contract to Peterson Brustad Inc. in the not-to-exceed amount of \$383,588 for the condition assessment of El Dorado Main #2 and authorized additional funding of \$25,000 for on-call inspection and \$50,000 for capitalized labor for a total funding request of \$454,588 for the El Dorado Main #2 Assessment, Project No. STUDY15.

Flume 45 Abutment Replacement Project, Project No.17025.01

July 25, 2022 – Board awarded a contract to Sierra Mountain Construction Inc. in the not-to-exceed amount of \$2,280,830 for construction of the Flume 45 Abutment Replacement Project and authorized additional funding of \$225,000 for capitalized labor, \$317,773 for construction engineering services, and \$282,360 in contingency for a total funding request of \$3,105,963 for the Flume 45 Abutment Replacement Project, Project No.17025.01.

November 14, 2022 – Board approved a change order to MCK Americas Inc. in the not-to-exceed amount of \$75,680 for construction management services for the Flume 45 Abutment Replacement Project, Project No. 17025.01.

November 14, 2022 – Board adopted the 2023-2027 Capital Improvement Plan (CIP), subject to available funding.

BOARD POLICIES (BP), ADMINISTRATIVE REGULATIONS (AR), AND BOARD AUTHORITY

BP 3010 Budget

SUMMARY OF ISSUE

Board approval is required to authorize CIP funding before staff commence work on the projects.

BACKGROUND/DISCUSSION

Staff requests funding for the CIP projects identified in Table 1. The expenditures, the amount of new funding requested, and the funding source are listed.

**Table 1
CIP Funding Request**

	Project Name and Number	2023-2027 CIP Plan¹	Funded to Date	Actual Costs to date²	Amount Requested	Funding Source
1.	No Name Creek Gauging, Project No. 20017	\$ 0	\$ 141,000	\$ 132,391	\$ 15,000	100% Water rates
2.	El Dorado Main #2 Assessment, Project No. STUDY15	\$ 410,000	\$ 513,588	\$ 189,090	\$ 60,000	100% Water rates
3.	El Dorado Main #2 Assessment, Project No. STUDY15	\$ 3,660,804	\$ 3,736,484	\$ 3,702,091	\$ 66,199	100% Water FCCs
	TOTAL FUNDING REQUEST				\$ 141,199	

¹ Includes all existing costs plus any expected costs in the 5-year CIP.

² Actual costs include encumbrances.

The following section contains a brief breakdown and description of the Project in Table 1.

CIP Funding Request

Project No.	20017	Board Date	06/25/2023
Project Name	No Name Creek Gauging		
Project Manager	Delongchamp		

Budget Status	\$	%
Funded to date	\$ 141,000	--
Spent to date	\$ 132,391	94%
Current Remaining	\$ 8,609	6%

Funding Request Breakdown	\$
Capitalized Labor	\$ 15,000
Total	\$ 15,000

Funding Source
100% Water rates

Description
<p>Senate Bill (SB) 88 required the District to install new gauging stations for four tributary water rights diverting into the El Dorado Canal. The No Name Creek station is the last of those projects. Previous Capital Improvement Plans (CIPs) included this Project but not the 2023-2027 CIP because staff anticipated performing the work in late 2022. The District purchased material for the gauging station in June 2022, and its hydroelectric construction crews installed it in April 2023.</p> <p>The remaining work is installing and programming the new electrical panel. This work will occur in July 2023. Funding is for capitalized labor to perform this remaining work.</p>

CIP Funding Request

Project No.	STUDY15	Board Date	06/25/2023
Project Name	El Dorado Main #2 Assessment		
Project Manager	Delongchamp		

Budget Status	\$	%
Funded to date	\$ 513,588	--
Spent to date	\$ 189,090	37%
Current Remaining	\$ 324,498	63%

Funding Request Breakdown	\$
Construction Services	\$ 35,000
Construction Inspection Services	\$ 10,000
Capitalized Labor	\$ 15,000
Total	\$ 60,000

Funding Source
100% Water rates

Description
<p>The District and its consultant have been performing a condition assessment of El Dorado Main #2 (EDM2). Recently the corrosion sub-consultant, JDH Corrosion (JDH), completed their data collection and identified three appurtenances along the EDM2 pipeline that require further investigation for corrosion potential. JDH has recommended that the District excavate the appurtenances and perform an external visual investigation of each location.</p> <p>Staff plans to excavate and assess two of the three locations (one is inaccessible). JDH has funding in their current contract to perform the external visual inspection.</p> <p>This funding request is for the necessary funding to contract for the excavation of the two locations, inspection of the work, and capitalized labor for District staff. This work is planned for late September or early October.</p> <p>While the Project shows a current balance of \$324,498, much of that is encumbered with the existing contract and planned work.</p>

CIP Funding Request

Project No.	17025	Board Date	06/25/2023
Project Name	Flume 45 Abutment Replacement Project		
Project Manager	Money		

Budget Status	\$	%
Funded to date	\$ 3,736,484	--
Spent to date	\$ 3,702,091	99%
Current Remaining	\$ 34,393	1%

Funding Request Breakdown	\$
Construction Engineering Services	\$ 21,944
Capitalized Labor	\$ 45,000
Total	\$ 66,944

Funding Source
100% Water FCCs

Description
<p>The Flume 45 abutment section was an elevated wood flume approximately 100 feet long and was last replaced in 1945. The District replaced this flume portion with a new concrete canal beginning last fall and extending into Spring 2023.</p> <p>During construction, the Project got behind schedule, and there are ongoing expenditures for project management and administration related to the Project's completion. The additional funds requested are for capitalized labor and construction engineering services to support the extended construction schedule. MGE Engineering provides engineering services.</p>

BOARD OPTIONS

Option 1: Authorize additional funding of \$15,000 for capitalized labor for the No Name Creek Gauging Project, Project No. 20017.01; \$35,000 for construction services, \$10,000 for construction inspection services and \$15,000 for capitalized labor for a total funding request of \$60,000 for the El Dorado Main #2 Assessment, Project No. STUDY15; and \$21,199 for construction engineering services and \$45,000 for capitalized labor for a total funding request of \$66,199 for the Flume 45 Abutment Replacement Project, Project No. 17025.01.

Option 2: Take other action as directed by the Board.

Option 3: Take no action.

RECOMMENDATION


Option 1


ATTACHMENTS

Attachment A: CIP summaries




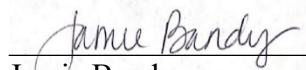
Kailee Delongchamp
Associate Engineer



Jon Money
Senior Civil Engineer



Carla Coale
Accountant


Elizabeth Dawson
Engineering Manager


Brian Mueller
Engineering Director


Jamie Bandy
Finance Director


Brian Poulsen
General Counsel


Jim Abercrombie
General Manager

2023

CAPITAL IMPROVEMENT PLAN Program:

Water

Project Number: STUDY15
Project Name: El Dorado Main #2 Assessment
Project Category: Reliability & Service Level Improvements

Priority: 2 **PM:** Delongchamp **Board Approval:** 11/14/22

Project Description:

In an effort to better understand the remaining life of El Dorado Main #2 for future capital improvement projects the District is in need of completing a condition assessment of the pipeline. The District had three pipeline failures last winter on EDM #2 that required emergency replacement and reoperation of other transmission mains to maintain service to its customers. Due to the significance of this pipeline and given its original construction in 1975, it is time to determine its current condition and remaining useful life. This assessment will look at the entire pipeline and provide a roadmap for future work to maintain service to the communities of Placerville, Cameron Park, and El Dorado Hills. The general goal and objectives are to review, evaluate, and assess the condition of the pipeline taking into account past and future maintenance activities and operation of the pipeline.

Basis for Priority:

Determine replacement and improvement strategy to improve service reliability and reduce maintenance costs. This study will protect and preserve the health and safety of customers and the public.

Project Financial Summary:

Funded to Date:	\$ 55,000	Expenditures through end of year:	\$ 50,091
Spent to Date:	\$ 20,091	2023 - 2027 Planned Expenditures:	\$ 410,000
Cash flow through end of year:	\$ 30,000	Total Project Estimate:	\$ 460,091
Project Balance	\$ 4,909	Additional Funding Required	\$ 405,091

Description of Work	Estimated Annual Expenditures					Total
	2023	2024	2025	2026	2027	
Capitalized Labor	\$ 60,000					\$ 60,000
Technical Memo	\$ 250,000	\$ 100,000				\$ 350,000
TOTAL	\$ 310,000	\$ 100,000	\$ -	\$ -	\$ -	\$ 410,000

Estimated Funding Sources	Percentage	2023	Amount
Water Rates	100%		\$305,091
Total	100%		\$305,091

Funding Comments:

2023

CAPITAL IMPROVEMENT PLAN Program:

Hydroelectric

Project Number: 17025
 Project Name: Flume 45 Abutment Replacement
 Project Category: Reliability & Service Level Improvements
 Priority: 1 PM: Dawson Board Approval: 11/14/22

Project Description:

This section of Flume 45 is an elevated wood flume approximately 100 feet in length and last replaced in 1945. This portion of the flume was constructed to span a section of the historic rock bench that had previously failed. An exemption on a small section of the historic rock wall has been obtained by the USFS to help in the replacement of this section of flume. In 2014 the District crews made interim repairs to ensure the continued safe operation. The replacement of this 100 foot section of flume was approved by the Board and is currently under construction and scheduled to be complete by the end of 2022 to flow water, with final completion by June of 2023.

Basis for Priority:

The flume replacement is under construction.

Project Financial Summary:			
Funded to Date:	\$ 3,660,804	Expenditures through end of year:	\$ 3,390,804
Spent to Date:	\$ 405,620	2023 - 2027 Planned Expenditures:	\$ 270,000
Cash flow through end of year:	\$ 2,985,184	Total Project Estimate:	\$ 3,660,804
Project Balance	\$ 270,000	Additional Funding Required	\$ -

Description of Work	Estimated Annual Expenditures					Total
	2023	2024	2025	2026	2027	
Study/Planning/Env						\$ -
Geo/Design						\$ -
Construction	\$ 250,000					\$ 250,000
QCIP/Warranty	\$ 20,000					\$ 20,000
TOTAL	\$ 270,000	\$ -	\$ -	\$ -	\$ -	\$ 270,000

Estimated Funding Sources	Percentage	2023	Amount
Water FCCs	100%		\$0
			\$0
			\$0
Total	100%		\$0

Funding Comments:

EL DORADO IRRIGATION DISTRICT

SUBJECT: Consider approving a cost-share agreement with the Sacramento Water Forum and authorize payments of \$50,506 for the fiscal year 2023-2024 and \$50,506 for 2024-2025.

PREVIOUS BOARD ACTION

February 13, 1995 – Board authorized General Manager to represent the District in Water Forum meetings and authorized payment for the District's contribution.

February 26, 1996 – Board adopted Resolution No. 96-24 to support the development of the Water Forum Agreement.

March 10, 1997 – Board adopted Resolution No. 97-25 authorizing staff to develop final recommendations for the Water Forum Agreement.

December 15, 1997 – Board authorized staff to negotiate a Procedural Agreement for continued participation in the Water Forum and Successor Effort.

April 3, 2000 – Board approved the Water Forum Procedural Agreement and authorized the General Manager to sign on behalf of the District.

BOARD POLICIES (BP), ADMINISTRATIVE REGULATIONS (AR), AND BOARD AUTHORITY

BP 3060 Contracts and Procurement
AP 3061 Procurement and Contracts
BP 5050 Watershed Management

SUMMARY OF ISSUE

Members of the Sacramento Water Forum are negotiating a successor agreement. Water agency members have agreed to share the costs of facilitation and technical analysis associated with the negotiation and preparation of the agreement.

BACKGROUND/DISCUSSION

In 2000, the District and 40 other stakeholders signed the Water Forum Agreement (WFA), a long-term plan created to balance two coequal objectives: (1) provide a reliable and safe water supply for the region's economic health and planned development through to the year 2030; and (2) preserve the fishery, wildlife, recreational, and aesthetic values of the lower American River.

The WFA was one of the first of its kind—a voluntary agreement that has served as a guiding framework for visionary water management solutions to protect the river, foster regional vitality, and provide benefits beyond the Sacramento region.

The Water Forum's work has included:

Drought Response: During periods of extreme drought, the Water Forum plays a pivotal role by facilitating dry-year meetings. These meetings serve as a valuable platform where water purveyors, environmentalists, business interests, and agencies such as the U.S. Bureau of

Reclamation can come together to share information and discuss strategies to meet the pressing water needs of urban areas and the environment during critically dry years. This collaborative approach helps ensure effective responses and sustainable management of water resources in challenging drought conditions.

Modified Flow Management Standard (MFMS): The Water Forum developed a flow standard for the Lower American River, refined over the past two decades, to protect, restore, and maintain sufficient temperatures for salmon and steelhead while improving the reliability of water supplies for people. The MFMS uses the best available science to set minimum river flows and storage targets for Folsom Reservoir and represents a crucial element of the Water Forum's work: Advising and working with federal and state agencies to guide decisions about the Lower American River.

Science: The Water Forum Successor Effort is grounded in science. Over the past 20 years, the Water Forum has made significant contributions to the science of anadromous fish and other species that live in the Lower American River.

Habitat Enhancement: Each year, the Water Forum partners with federal, state, and local agencies to enhance habitat for salmon and steelhead in the Lower American River. These partnerships have enhanced over 30 acres of spawning beds and 1.2 miles of side channels, prime rearing zones, in the Lower American River.

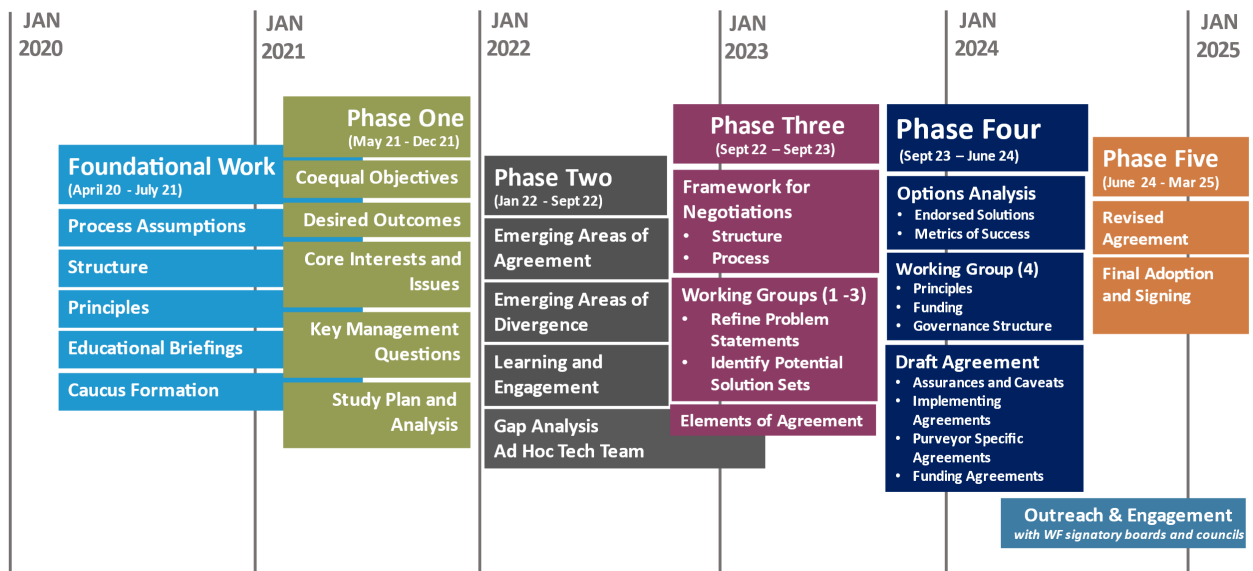
After 20 years of successful implementation, the Water Forum members have begun negotiating a successor agreement called Water Forum 2.0. The negotiating process is structured to foster an inclusive and transparent process that brings together affected parties in a collaborative and constructive dialogue. The method of developing the framework for the negotiations began in April 2020. Water Forum members are poised to start the negotiations and complete an agreement over the next two years.

Water Forum staff have prepared a budget for these negotiations requiring consultants' facilitation and technical support. That budget is attached to this agenda item summary as Attachment A. Water agency participants have agreed to share these costs using a formula primarily based on the number of connections within each agency's service area. The cost-share agreement is attached to this agenda item as Attachment B.

Schedule

The Water Forum 2.0 scope of work spans two fiscal years from July 2023 through June 2025. Water Forum staff prepared a brief presentation on the status and approach for negotiating the new agreement. This presentation is attached to this agenda item summary as Attachment C. The table below illustrates the phases of negotiations: (1) an initial phase focused on the identification of solution sets based on the identified problems, (2) a phase focused on the evaluation and selection of the preferred alternatives which will form the basis for the draft agreement, and (3) the finalization of the agreement.

Water Forum 2.0 | Phase Four



Budget

The budget below summarizes the expected costs for each activity outlined in this scope of work.

Water Forum 2.0 Project Budget	Annual Costs		TOTAL
	FY 23-24	FY 24-25	
Task 1: Facilitation Services	\$ 425,000	\$ 352,500	\$ 777,500
1.1 Meeting Facilitation	\$ 237,000	\$ 211,500	\$ 448,500
1.2 Agreement Development	\$ 51,625	\$ 38,719	\$ 90,344
1.3 Strategic Planning and Coordination	\$ 136,375	\$ 102,281	\$ 238,656
Task 2: Technical Services	\$ 218,000	\$ 218,000	\$ 436,000
2.1 Meetings and Coordination	\$ 133,500	\$ 133,500	\$ 267,000
2.2 Analysis and Documentation	\$ 84,500	\$ 84,500	\$ 169,000
TOTAL	\$ 643,000	\$ 570,500	\$ 1,213,500
Allocated from WFSE FY 23-24 budget	\$ 72,500	\$ -	\$ 100,000
Total Funding Request	\$ 570,500	\$ 570,500	\$ 1,113,500

FUNDING

The operating budget will fund the District's Water Forum cost-share agreement contributions. A summary of requested funding follows:

FY 2023-2024	\$ 50,506
FY 2024-2025	\$ 50,506
TOTAL FUNDING REQUESTED	\$101,013

BOARD OPTIONS

Option 1: Approve a cost-share agreement with the Sacramento Water Forum and authorize payments of \$50,506 for the fiscal year 2023-2024 and \$50,506 for 2024-2025.

Option 2: Take other action as directed by the Board.

Option 3: Take no action.

RECOMMENDATION

Option 1

ATTACHMENTS

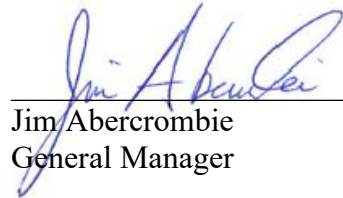
Attachment A: Water Forum 2.0 Scope and Budget

Attachment B: Cost-Share Agreement

Attachment C: Water Forum 2.0 Presentation



Brian Poulsen
General Counsel



Jim Abercrombie
General Manager

Attachment 1. Water Forum 2.0 Project Scope and Budget

Water Forum 2.0 Scope and Budget

The Lower American River is one of the Sacramento region's greatest treasures. In 2000, 40 agencies and businesses came together to sign the landmark Water Forum Agreement, a visionary long-term plan created to balance two coequal objectives: Provide a reliable and safe water supply for the region's economic health and planned development through to the year 2030; and Preserve the fishery, wildlife, recreational, and aesthetic values of the lower American River. And now, after 20+ years of successful implementation, the Water Forum members have come together to negotiate a successor agreement that can guide the Water Forum's efforts well into the future. The negotiating process is structured to foster an inclusive and transparent process that brings together affected parties in a collaborative and constructive dialogue. The process began in April 2020 and has been working diligently over the past several years to develop the framework for the negotiations. Water Forum members are now posed to dig into the negotiations and complete an agreement over the next two years.

Scope of Work

The following scope of work outlines the tasks required for the proposed process to develop and formalize a new Water Forum Agreement for the greater Sacramento Region. The tasks are organized based on expertise and services required beyond the existing Water Forum staff. All staff time spent on Water Forum 2.0 will be covered in the Water Forum's annual operating budget for fiscal years (FY) 23-24 and FY 24-25 and are not included in this scope.

Task 1. Facilitation Services and Agreement Development

An expert team of facilitators will be available to guide and support the negotiation process to develop a new Water Forum Agreement. Facilitators will specifically be integral in the Working Group meetings, Negotiating Steering Committee (NSC), and Caucus meetings.

Task 1.1 – Meeting Facilitation and Support: This task will include preparing meeting agendas and summaries, meeting material development, organization, and distribution, and active facilitation within the meetings. The facilitation team will be responsible for developing and maintaining the meeting framework for the negotiations including meeting objectives and outcomes, schedules, and roles and responsibilities.

- **Working Group Meeting Support:** The working groups (2-4 at a time) will meet once per month focused on key topics for negotiation and will be reviewing draft agreement language for consideration of the Water Forum Plenary. It is expected that these meeting will be less frequent in the second fiscal year (FY24-25) as the draft agreement is finalized.
- **NSC Meeting Support:** The NSC will meet once per month to review progress of working groups and offer guidance on the Water Forum 2.0 process and milestones.
- **Caucus Meeting Support:** The four caucuses meet on a monthly basis and will serve as venue for working group members to solicit feedback from their fellow caucus members.
- **Plenary Meeting Support:** The Plenary (all four caucuses) meet every other month to review progress on Water Forum 2.0 process and take action on major work products and at specific milestones.

Attachment 1. Water Forum 2.0 Project Scope and Budget

Task 1.2 – Agreement Development: The facilitation team, along with Water Forum staff and other consultants, will develop draft and final agreement language, including review and revisions based on feedback and input from Water Forum members during working group, NSC, and Caucus meetings. This includes development of individual sections, such as:

- Endorsed Solutions
- Metrics of Success
- Assurances and Caveats
- Implementing Agreements
- Purveyor Specific Agreements; and
- Funding Agreements.

Due to the iterative nature of the process, this is subject to change based on level of revisions from the caucuses. Water Forum staff and consultants will take the lead on drafting and revising to all documents.

Task 1.3 – Strategic Planning and Coordination: This task will allow for the facilitation team to coordinate with Water Forum staff and consultants on strategic planning for the Water Forum 2.0 process.

Deliverables: 1) Meeting agendas and summaries; 2) Meeting framework for negotiations; 3) Draft Elements of Agreement, Draft and Final Agreement Package

Task 2. Technical Services

The Water Forum 2.0 process is expected require support from technical experts to inform negotiators as to the potential benefits and costs of solution sets. The topics of needed expertise include hydrology, river hydraulics, fisheries biology, river ecology, CalSim modeling, temperature modeling, climate resiliency, state and federal regulatory process, and others. The technical experts will participate in working group meetings and provide valuable analysis as requested.

Task 2.1 – Meetings and Coordination: Key technical consultants will participate in working group meetings to serve as resources to support the discussions and to facilitate shared understanding of topics and solutions.

Task 2.1 – Analysis and Documentation: Technical staff will prepare analysis and related documentation, as needed for the negotiations. The extent of the technical analysis will be dependent on the discussions and needs of the working groups. However, the level of effort needed in the early phases of pre-negotiation and problem definition within the Water Forum 2.0 process provide a helpful guide in estimating the needs of the negotiations phase. The types of analysis anticipated include CalSim modeling, temperature modeling, analytical reviews of historical data, and others.

Deliverables: 1) Summary materials of analysis; 2) Technical Documentation (for all analyses completed)

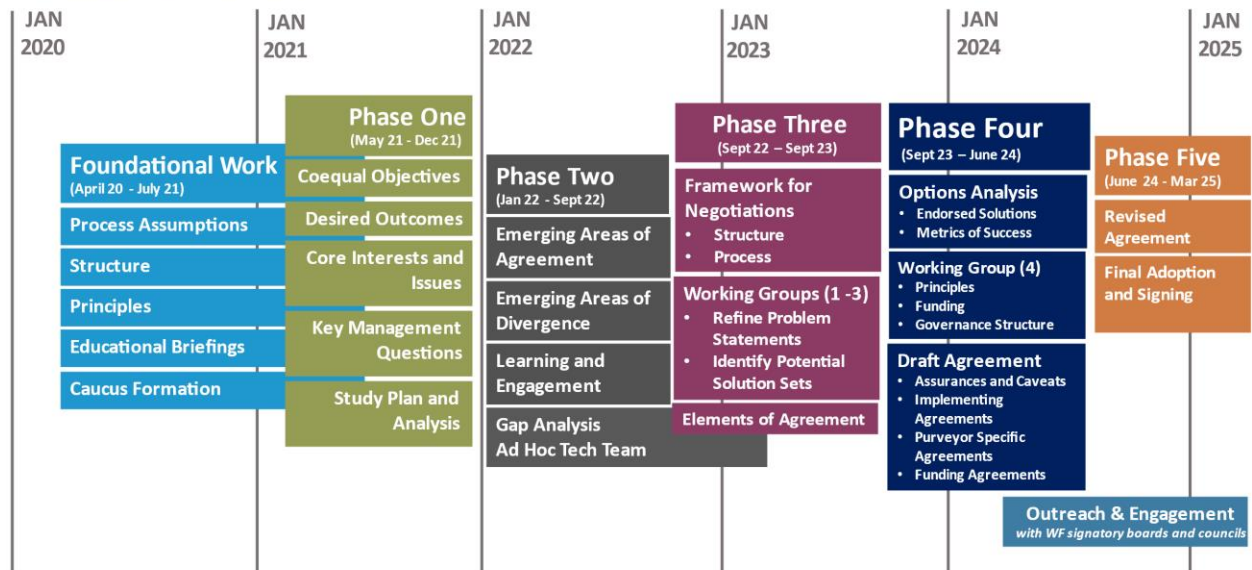
Deliverables: 1) Blogs and Social Media Posts; 2) Outreach Pamphlets for the Draft Agreement; 3) Outreach Pamphlets for the Final Agreement; 4) Complete and Submitted Grant Applications for (2) funding opportunities

Attachment 1. Water Forum 2.0 Project Scope and Budget

Schedule

The scope of work to be completed for the Water Forum 2.0 process will be organized across two fiscal years from July 2023 through June 2025. The phases of activities are illustrated below and include: an initial phase focused on the identification of solution sets based on the identified problems, a phase focused on the evaluation and selection of the preferred alternatives (which will form the basis for the Draft agreement), and finally the finalization of the agreement.

Water Forum 2.0 | Phase Four



Budget

The budget below summarizes the expected costs for each of the activities outlined in this scope of work.

Water Forum 2.0 Project Budget		Annual Costs		TOTAL
		FY 23-24	FY 24-25	
Task 1: Facilitation Services		\$ 425,000	\$ 352,500	\$ 777,500
1.1 Meeting Facilitation		\$ 237,000	\$ 211,500	\$ 448,500
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TOTAL		\$ 643,000	\$ 570,500	\$ 1,213,500
Allocated from WFSE FY 23-24 budget		\$ 72,500	\$ -	\$ 100,000
Total Funding Request		\$ 570,500	\$ 570,500	\$ 1,113,500

**Interagency Agreement
For Cost-Sharing the Fiscal Year (FY) 2023-24 and FY 2024-25
Water Forum 2.0 Agreement for the City of Sacramento, on behalf of the
Sacramento City-County Office of Metropolitan Water Planning**

THIS AGREEMENT is made and entered into on July 1, 2023, by the City of Sacramento (on behalf of the Sacramento City-County Office of Metropolitan Water Planning (CCOWMP), as known as the “Water Forum”); and among the agencies listed below in **Table 2** and **Table 3**.

Table 1 provides the total potential contribution to the Water Forum 2.0 Project from funding sources outside of the Water Forum’s annual operating budget. The costs have been distributed by the partners based on a negotiated amount. Several parties, as noted, are providing funding as shown in **Table 2** for FY 23-24 and FY 24-25; and for FY 23-24 only as shown in **Table 3**. In addition, several agencies are listed in **Table 1** that are not party to this agreement, but that are contributing to the Water Forum 2.0 Project and are covered under separate agreements (**Section III**). Please see **Attachment 1** for information on the Water Forum 2.0 Project scope and budget.

Table 1. Water Forum 2.0 Project Contributions By Agency Per Fiscal Year			
Agency	Amount		
	FY 23-24	FY 24-25	Total
California-American Water Company	\$58,100	\$58,100	\$116,200
Carmichael Water District	\$16,530	\$16,530	\$33,060
Citrus Heights Water District ²	\$28,629	\$28,629	\$57,258
City of Folsom	\$32,124	\$32,124	\$64,248
City of Folsom (Ashland) ²	\$1,455	\$1,455	\$2,910
City of Roseville	\$52,208	\$52,208	\$104,415
City of Sacramento, Department of Utilities	\$86,571	\$86,571	\$173,141
Del Paso Manor Water District	\$2,441	\$2,441	\$4,881
East Bay Municipal District (EBMUD) ¹	\$12,000	\$12,000	\$24,000
El Dorado County Water Agency (EDCWA)	\$5,705	\$5,705	\$11,410
El Dorado Irrigation District	\$50,506	\$50,506	\$101,013
Fair Oaks Water District ²	\$20,289	\$20,289	\$40,578
Golden State Water Company	\$24,217	\$24,217	\$48,434
Orange Vale Water Company ²	\$6,124	\$6,124	\$12,248
Placer County Water Agency	\$16,324	\$16,324	\$32,649
Sacramento Area Flood Control District (SAFCA) ¹	\$20,000	\$20,000	\$40,000
Sacramento County Water Agency	\$58,333	\$58,333	\$116,666
Sacramento Municipal Utilities District (SMUD)	\$12,000	\$12,000	\$24,000
Sacramento Suburban Water District	\$51,699	\$51,699	\$103,398
San Juan Water District (in Sacramento County) ²	\$15,246	\$15,246	\$30,491
Total	\$570,500	\$570,500	\$1,141,000
¹ EBMUD and SAFCA are not parties to this agreement. Funding will be provided under a separate agreement. Please see Section III for additional information.			
² The parties have committed to fund the Water Forum 2.0 Project for FY 23-24 only and will consider FY 24-25 funding in June 2024 consistent with Table 1 .			

Section I.

Funding Commitment: The following parties have committed to fund the Water Forum 2.0 Project for FY 23-24 and FY 24-25 (**Table 2**).

Table 2. Water Forum 2.0 Project Contributions for FY 23-25			
Agency	Amount		
	FY 23-24	FY 24-25	Total
California-American Water Company	\$58,100	\$58,100	\$116,200
Carmichael Water District	\$16,530	\$16,530	\$33,060
City of Folsom	\$32,124	\$32,124	\$64,248
City of Roseville	\$52,208	\$52,208	\$104,415
City of Sacramento, Department of Utilities	\$86,571	\$86,571	\$173,141
Del Paso Manor Water District	\$2,441	\$2,441	\$4,881
El Dorado County Water Agency (EDCWA)	\$5,705	\$5,705	\$11,410
El Dorado Irrigation District	\$50,506	\$50,506	\$101,013
Golden State Water Company	\$24,217	\$24,217	\$48,434
Placer County Water Agency	\$16,324	\$16,324	\$32,649
Sacramento County Water Agency	\$58,333	\$58,333	\$116,666
Sacramento Municipal Utilities District (SMUD)	\$12,000	\$12,000	\$24,000
Sacramento Suburban Water District	\$51,699	\$51,699	\$103,398
Total	\$466,758	\$466,758	\$933,516

The following parties have committed to fund the Water Forum 2.0 Project for FY 23-24 only (**Table 3**) and will consider FY 24-25 funding in June 2024, consistent with **Table 1**.

Table 3. Water Forum 2.0 Project Contributions for FY 23-24 only	
Agency	Amount
	FY 23-24
San Juan Water District Consortium¹	
City of Folsom (Ashland)	\$1,455
Citrus Heights Water District	\$28,629
Fair Oaks Water District	\$20,289
Orange Vale Water Company	\$6,124
San Juan Water District (in Sacramento County)	\$15,246
Total	\$71,743

¹San Juan Water District Consortium includes San Juan Water District, Citrus Heights Water District, Fair Oaks Water District, and Orange Vale Water Company, and the City of Folsom (Ashland).

Section II.

Reimbursement: The City of Sacramento, on behalf of the CCOWMP, shall administer all consultant agreements and other expenses incurred during FY23-24 and FY 24-25 for the Water Forum 2.0 Project. The parties agree to reimburse the CCOMWP for their share of such costs, up to the amount set forth for each party in Section I, above, within 30 days after receipt of invoices.

The City of Sacramento Finance Department, on behalf of the CCOMWP, will invoice each cost-sharing partner at the beginning of each fiscal year, except in those instances where the cost-sharing partners have mutually agreed to be invoiced in another time period (i.e., quarterly invoices). It is understood and agreed that although this agreement only pertains to reimbursement for costs incurred during the period from July 1, 2023 to June 30, 2025, the Water Forum 2.0 Project could extend past June 30, 2025. Any reimbursement of costs incurred by CCOMWP after June 30, 2025 would be governed by a new or amended cost-sharing agreement.

Section III.

Separate Agreements: Sacramento Area Flood Control Agency (SAFCA) and East Bay Municipal District (EBMUD) are not parties to this agreement and have entered into separate agreements with the City of Sacramento, on behalf of the CCOMWP, to pay their share of the costs identified in **Table 1**.

Section IV.

Changes in Terms: Any changes in the terms of this agreement shall be approved by all parties and shall be effective when reduced to writing and signed by all parties.

Section V.

Indemnity: Each party shall, to the fullest extent allowed by law, indemnify, hold harmless and defend the other party or parties, its officers and employees from any actions, liability or other expenses (including reasonable attorney fees) for any damages or injury to persons or property, occurring by reason of any negligent or wrongful act or omission by the indemnifying party, its officers or employees under this agreement.

Section VI.

Independent Contractors: All contractors employed during any phase of the Water Forum 2.0 Project are independent contractors. Contractor employees assigned to perform contract work related to the Water Forum 2.0 Project are and will remain employees of the contractor and will not be considered employees of any of the signatory agencies for any reason.

Section VII.

Additional Terms and Conditions: The following additional terms and conditions were agreed to by the parties to be incorporated into this funding agreement specifically for the Water Forum 2.0 Project:

1. Water Forum annual priorities, as described in the Water Forum Business Strategy (approved July 2022) will continue to include the Water Forum 2.0 Project as a top priority for the FY 23-24 and FY 24-25. Annual progress on the Business Strategy is reviewed by the Coordinating Committee and approved by the Water Forum Plenary each year by September 1st.
2. The Coordinating Committee includes two members of each caucus and meets with the Executive Director on a monthly basis to provide direction on Water Forum Successor Effort operations, including communications and implementation of the business strategy; and to approve the annual budget and work plan. In addition, the Coordinating Committee, and the City of Sacramento City

Manager or designee, will provide project oversight and approve an annual scope of work for the Water Forum 2.0 Project, which includes schedule and budget, that supports the established priorities will be submitted to the Coordinating Committee. The budget will also include look-ahead estimates for the second year.

3. The Water Forum 2.0 Project annual scope of work must be approved by the Coordinating Committee and the City of Sacramento City Manager, or designee, ahead of preparing the next fiscal year budget by March 1st each year.
4. The Coordinating Committee shall review the progress on the approved work at its regular meetings.
5. Any out-of-scope requests or technical studies are to be approved by the Coordinating Committee prior to commencement of any work and subject to adequate funding within the current budget.
6. A mid-year progress report on or before January 1st each year covering work completed and work not completed, and budget status are to be presented to the Coordinating Committee and the City Manager, or designee. Both will be presented alongside the approved annual schedule and budget.
7. If progress is not on track with annual expectations at the mid-year report, a plan for correction is to be submitted to the Coordinating Committee and the City Manager, or designee, for approval. Work may be suspended if progress is severely off-track.
8. Subsequent year funding is subject to effective progress of the previous year and agreed upon annual priorities and scope of work for the coming year.

Section VIII.

Single Agreement: This agreement may be signed in multiple counterparts, which together will constitute a single agreement.

This agreement is executed as follows:

CALIFORNIA AMERICAN WATER COMPANY

By: _____

Date: _____

Print Name:

APPROVED AS TO FORM:

By: _____

Date: _____

Print Name:

ATTEST:

By: _____

Date: _____

Print Name:

Section VIII.

Single Agreement: This agreement may be signed in multiple counterparts, which together will constitute a single agreement.

This agreement is executed as follows:

CARMICHAEL WATER DISTRICT

By: _____

Date: _____

Print Name:

APPROVED AS TO FORM:

By: _____

Date: _____

Print Name:

ATTEST:

By: _____

Date: _____

Print Name:

Section VIII.

Single Agreement: This agreement may be signed in multiple counterparts, which together will constitute a single agreement.

This agreement is executed as follows:

CITY OF FOLSOM

By: _____

Date: _____

Print Name:

APPROVED AS TO FORM:

By: _____

Date: _____

Print Name:

ATTEST:

By: _____

Date: _____

Print Name:

Section VIII.

Single Agreement: This agreement may be signed in multiple counterparts, which together will constitute a single agreement.

This agreement is executed as follows:

CITY OF ROSEVILLE

By: _____

Date: _____

Print Name:

APPROVED AS TO FORM:

By: _____

Date: _____

Print Name:

ATTEST:

By: _____

Date: _____

Print Name:

Section VIII.

Single Agreement: This agreement may be signed in multiple counterparts, which together will constitute a single agreement.

This agreement is executed as follows:

CITY OF SACRAMENTO

By: _____

Date: _____

Print Name:

APPROVED AS TO FORM:

By: _____

Date: _____

Print Name:

ATTEST:

By: _____

Date: _____

Print Name:

Section VIII.

Single Agreement: This agreement may be signed in multiple counterparts, which together will constitute a single agreement.

This agreement is executed as follows:

DEL PASO MANOR WATER DISTRICT

By: _____

Date: _____

Print Name:

APPROVED AS TO FORM:

By: _____

Date: _____

Print Name:

ATTEST:

By: _____

Date: _____

Print Name:

Section VIII.

Single Agreement: This agreement may be signed in multiple counterparts, which together will constitute a single agreement.

This agreement is executed as follows:

EL DORADO COUNTY WATER AGENCY

By: _____

Date: _____

Print Name:

APPROVED AS TO FORM:

By: _____

Date: _____

Print Name:

ATTEST:

By: _____

Date: _____

Print Name:

Section VIII.

Single Agreement: This agreement may be signed in multiple counterparts, which together will constitute a single agreement.

This agreement is executed as follows:

EL DORADO IRRIGATION DISTRICT

By: _____

Date: _____

Print Name:

APPROVED AS TO FORM:

By: _____

Date: _____

Print Name:

ATTEST:

By: _____

Date: _____

Print Name:

Section VIII.

Single Agreement: This agreement may be signed in multiple counterparts, which together will constitute a single agreement.

This agreement is executed as follows:

GOLDEN STATE WATER COMPANY

By: _____

Date: _____

Print Name:

APPROVED AS TO FORM:

By: _____

Date: _____

Print Name:

ATTEST:

By: _____

Date: _____

Print Name:

Section VIII.

Single Agreement: This agreement may be signed in multiple counterparts, which together will constitute a single agreement.

This agreement is executed as follows:

PLACER COUNTY WATER AGENCY

By: _____

Date: _____

Print Name:

APPROVED AS TO FORM:

By: _____

Date: _____

Print Name:

ATTEST:

By: _____

Date: _____

Print Name:

Section VIII.

Single Agreement: This agreement may be signed in multiple counterparts, which together will constitute a single agreement.

This agreement is executed as follows:

SACRAMENTO COUNTY WATER AGENCY

By: _____

Date: _____

Print Name:

APPROVED AS TO FORM:

By: _____

Date: _____

Print Name:

ATTEST:

By: _____

Date: _____

Print Name:

Section VIII.

Single Agreement: This agreement may be signed in multiple counterparts, which together will constitute a single agreement.

This agreement is executed as follows:

SACRAMENTO MUNICIPAL UTILITIES DISTRICT

By: _____

Date: _____

Print Name:

APPROVED AS TO FORM:

By: _____

Date: _____

Print Name:

ATTEST:

By: _____

Date: _____

Print Name:

Section VIII.

Single Agreement: This agreement may be signed in multiple counterparts, which together will constitute a single agreement.

This agreement is executed as follows:

SACRAMENTO SUBURBAN WATER DISTRICT

By: _____

Date: _____

Print Name:

APPROVED AS TO FORM:

By: _____

Date: _____

Print Name:

ATTEST:

By: _____

Date: _____

Print Name:

Section VIII.

Single Agreement: This agreement may be signed in multiple counterparts, which together will constitute a single agreement.

This agreement is executed as follows:

SAN JUAN WATER DISTRICT CONSORTIUM

By: _____

Date: _____

Print Name:

APPROVED AS TO FORM:

By: _____

Date: _____

Print Name:

ATTEST:

By: _____

Date: _____

Print Name:

Water Forum 2.0 Scope and Budget

The Lower American River is one of the Sacramento region's greatest treasures. In 2000, 40 agencies and businesses came together to sign the landmark Water Forum Agreement, a visionary long-term plan created to balance two coequal objectives: Provide a reliable and safe water supply for the region's economic health and planned development through to the year 2030; and Preserve the fishery, wildlife, recreational, and aesthetic values of the lower American River. And now, after 20+ years of successful implementation, the Water Forum members have come together to negotiate a successor agreement that can guide the Water Forum's efforts well into the future. The negotiating process is structured to foster an inclusive and transparent process that brings together affected parties in a collaborative and constructive dialogue. The process began in April 2020 and has been working diligently over the past several years to develop the framework for the negotiations. Water Forum members are now posed to dig into the negotiations and complete an agreement over the next two years.

Scope of Work

The following scope of work outlines the tasks required for the proposed process to develop and formalize a new Water Forum Agreement for the greater Sacramento Region. The tasks are organized based on expertise and services required beyond the existing Water Forum staff. All staff time spent on Water Forum 2.0 will be covered in the Water Forum's annual operating budget for fiscal years (FY) 23-24 and FY 24-25 and are not included in this scope.

Task 1. Facilitation Services and Agreement Development

An expert team of facilitators will be available to guide and support the negotiation process to develop a new Water Forum Agreement. Facilitators will specifically be integral in the Working Group meetings, Negotiating Steering Committee (NSC), and Caucus meetings.

Task 1.1 – Meeting Facilitation and Support: This task will include preparing meeting agendas and summaries, meeting material development, organization, and distribution, and active facilitation within the meetings. The facilitation team will be responsible for developing and maintaining the meeting framework for the negotiations including meeting objectives and outcomes, schedules, and roles and responsibilities.

- **Working Group Meeting Support:** The working groups (2-4 at a time) will meet once per month focused on key topics for negotiation and will be reviewing draft agreement language for consideration of the Water Forum Plenary. It is expected that these meeting will be less frequent in the second fiscal year (FY24-25) as the draft agreement is finalized.
- **NSC Meeting Support:** The NSC will meet once per month to review progress of working groups and offer guidance on the Water Forum 2.0 process and milestones.
- **Caucus Meeting Support:** The four caucuses meet on a monthly basis and will serve as venue for working group members to solicit feedback from their fellow caucus members.
- **Plenary Meeting Support:** The Plenary (all four caucuses) meet every other month to review progress on Water Forum 2.0 process and take action on major work products and at specific milestones.

Attachment 1. Water Forum 2.0 Project Scope and Budget

Task 1.2 – Agreement Development: The facilitation team, along with Water Forum staff and other consultants, will develop draft and final agreement language, including review and revisions based on feedback and input from Water Forum members during working group, NSC, and Caucus meetings. This includes development of individual sections, such as:

- Endorsed Solutions
- Metrics of Success
- Assurances and Caveats
- Implementing Agreements
- Purveyor Specific Agreements; and
- Funding Agreements.

Due to the iterative nature of the process, this is subject to change based on level of revisions from the caucuses. Water Forum staff and consultants will take the lead on drafting and revising to all documents.

Task 1.3 – Strategic Planning and Coordination: This task will allow for the facilitation team to coordinate with Water Forum staff and consultants on strategic planning for the Water Forum 2.0 process.

Deliverables: 1) Meeting agendas and summaries; 2) Meeting framework for negotiations; 3) Draft Elements of Agreement, Draft and Final Agreement Package

Task 2. Technical Services

The Water Forum 2.0 process is expected require support from technical experts to inform negotiators as to the potential benefits and costs of solution sets. The topics of needed expertise include hydrology, river hydraulics, fisheries biology, river ecology, CalSim modeling, temperature modeling, climate resiliency, state and federal regulatory process, and others. The technical experts will participate in working group meetings and provide valuable analysis as requested.

Task 2.1 – Meetings and Coordination: Key technical consultants will participate in working group meetings to serve as resources to support the discussions and to facilitate shared understanding of topics and solutions.

Task 2.1 – Analysis and Documentation: Technical staff will prepare analysis and related documentation, as needed for the negotiations. The extent of the technical analysis will be dependent on the discussions and needs of the working groups. However, the level of effort needed in the early phases of pre-negotiation and problem definition within the Water Forum 2.0 process provide a helpful guide in estimating the needs of the negotiations phase. The types of analysis anticipated include CalSim modeling, temperature modeling, analytical reviews of historical data, and others.

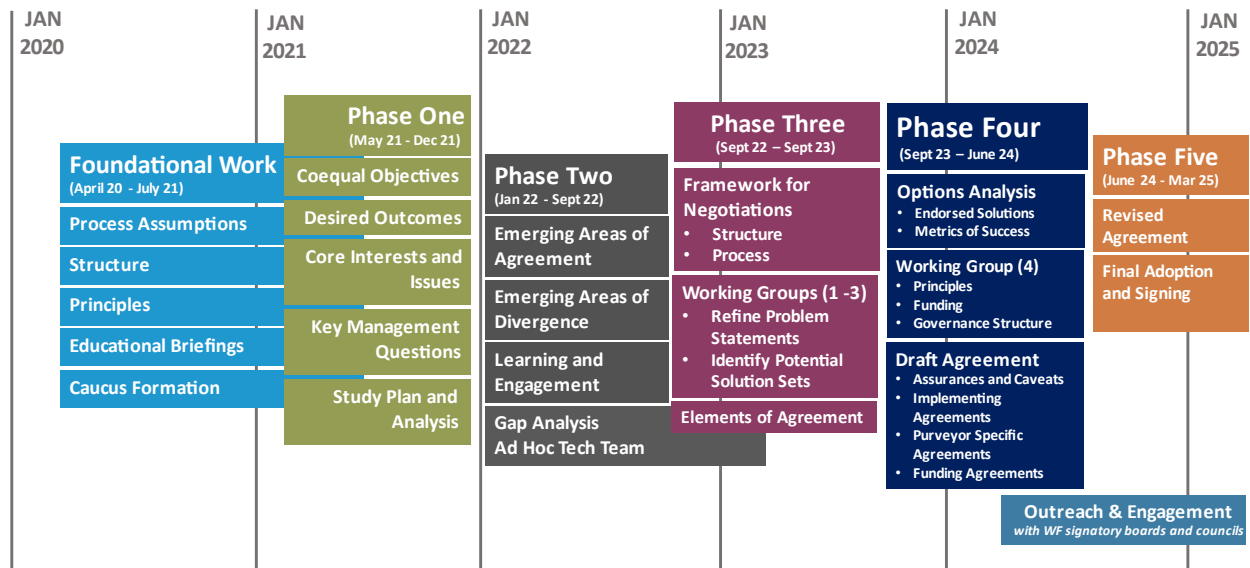
Deliverables: 1) Summary materials of analysis; 2) Technical Documentation (for all analyses completed)

Attachment 1. Water Forum 2.0 Project Scope and Budget

Schedule

The scope of work to be completed for the Water Forum 2.0 process will be organized across two fiscal years from July 2023 through June 2025. The phases of activities are illustrated below and include: an initial phase focused on the identification of solution sets based on the identified problems, a phase focused on the evaluation and selection of the preferred alternatives (which will form the basis for the Draft agreement), and finally the finalization of the agreement.

Water Forum 2.0 | Phase Four



Budget

The budget below summarizes the expected costs for each of the activities outlined in this scope of work.

Water Forum 2.0 Project Budget	Annual Costs		
	FY 23-24	FY 24-25	TOTAL
Task 1: Facilitation Services	\$ 425,000	\$ 352,500	\$ 777,500
1.1 Meeting Facilitation	\$ 237,000	\$ 211,500	\$ 448,500
1.2 Agreement Development	\$ 51,625	\$ 38,719	\$ 90,344
1.3 Strategic Planning and Coordination	\$ 136,375	\$ 102,281	\$ 238,656
Task 2: Technical Services	\$ 218,000	\$ 218,000	\$ 436,000
2.1 Meetings and Coordination	\$ 133,500	\$ 133,500	\$ 267,000
2.2 Analysis and Documentation	\$ 84,500	\$ 84,500	\$ 169,000
TOTAL	\$ 643,000	\$ 570,500	\$ 1,213,500
Allocated from WFSE FY 23-24 budget	\$ 72,500	\$ -	\$ 100,000
Total Funding Request	\$ 570,500	\$ 570,500	\$ 1,113,500



WATER FORUM 2.0 UPDATE

Approach and Process for Collaborative Negotiations





THE WATER FORUM

Coequal objectives:

Provide a reliable and safe water supply for the Sacramento region's long-term growth and economic health

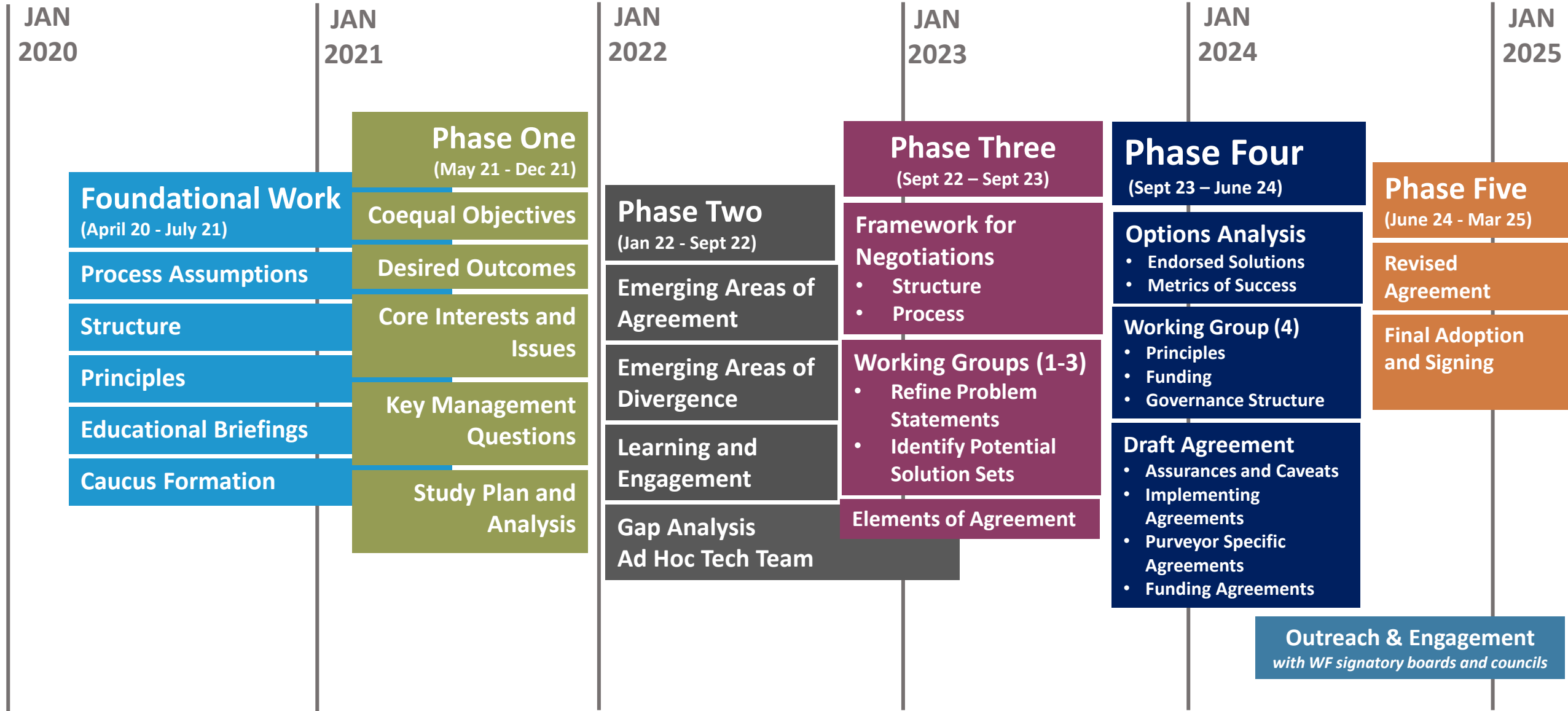
Preserve the fishery, wildlife, recreational, and aesthetic values of the Lower American River

THE WATER FORUM PROCESS IS UNIQUE!

- Members are engaged in a collaborative negotiation process that emphasizes mutual gains for all parties
- While disagreements are inevitable, the parties strive to understand and address concerns as they arise
- The parties take steps to build trust and practice use of “disclosures” to maintain open communication and transparency
- This is not strategic planning – the process requires patience and diligence as we move through the phases



Water Forum 2.0 | Schedule



FOUNDATIONAL WORK: Initiating the Negotiation Process

Major Accomplishments

- 6 educational briefings
- Public Caucus: reinvigorated and broadened
- Foundational reference documents
- Process kickstarted during a global pandemic!

Foundational Reference Documents

- Terms of Reference
- Past, Present, Future Document
- Negotiating Structure
- Roles and Responsibilities

Educational Briefings

- Water Forum 101
- Climate Change
- Fisheries
- Groundwater
- Water Efficiency Regulatory Update
- Flow Management Standard

PHASE 1: Identifying Areas of Alignment

Coequal Objectives

- Strong alignment and support for existing coequal objectives as a solid foundation for the WF 2.0 negotiations
- Some questions about timing for confirmation of the objectives and whether they should be expanded based on the regional context and representation interests

Climate Change Resiliency

- Important to all caucuses
- Some questions about how the science/information will be accounted for in the process

Regional Context and Representation

- Each interest statement speaks to the Water Forum's role in the region and the scope of the issues (e.g., groundwater, equity) and scale of engagement (e.g., geographic, diversity)

PHASE 1: Identifying Areas of Alignment (cont)

Integrated Long-Range Planning

- Interest statements raise questions about the intersection of land use planning and water planning from a regional scale
- Many of the information needs are being addressed in the study plan – however there are additional interests around long-range land use and demand projections

Water Conservation and Efficiency

- An area of divergence
- Many of the interests raise questions about conservation cost/benefits, impacts on disadvantaged communities, and weight of pending regulations



PHASE 1: Identifying Areas of Alignment (cont)

Surface Water and Groundwater Conjunctive Use

- An area closely linked to integrated long-range planning and climate change resiliency with an acknowledgment of the importance of conjunctive use in the region
- There is a strong interest in supporting sustainable groundwater management

Habitat

- The interest statements show a consistent level of support for the HME program
- The scope and scale of the program are strongly linked to the other areas of interest



PHASE 2: Identifying Gaps in Water Supply

From Demand and Climate Change



Multi-year droughts are expected to become more frequent and more severe increasing from 1-in-100 year to 1-in-10-year events



Future regional surface water diversions are expected to increase by 100 TAF/year due to growth, but climate scenarios reduce surface water availability and create greater variability between hydrologic year types



Reductions in storage from climate change are predicted due to be considerable



Increases in expected river temperature make survival of future salmonid populations challenging

PHASE 3: Identifying Working Group Negotiators

And Core Problem Statements

American River Flows and Operations

- 1.1 Flow Management Standard
- 1.2 Temperature Management Infrastructure

American River Corridor Health

- 2.1 Fish, Wildlife, Recreational & Aesthetics Resources
- 2.2 Functional Flows
- 2.3 Science, Monitoring, & Decision Support
- 2.4 Hatchery and Fishery Management

Water Supply Sustainability

- 3.1 Regional Groundwater Coordination
- 3.2 Surface Water Diversions
- 3.3 Dry Year Actions
- 3.4 Demand Management

Governance, Funding & Administration

Details Pending Additional Discussion

NEXT STEPS

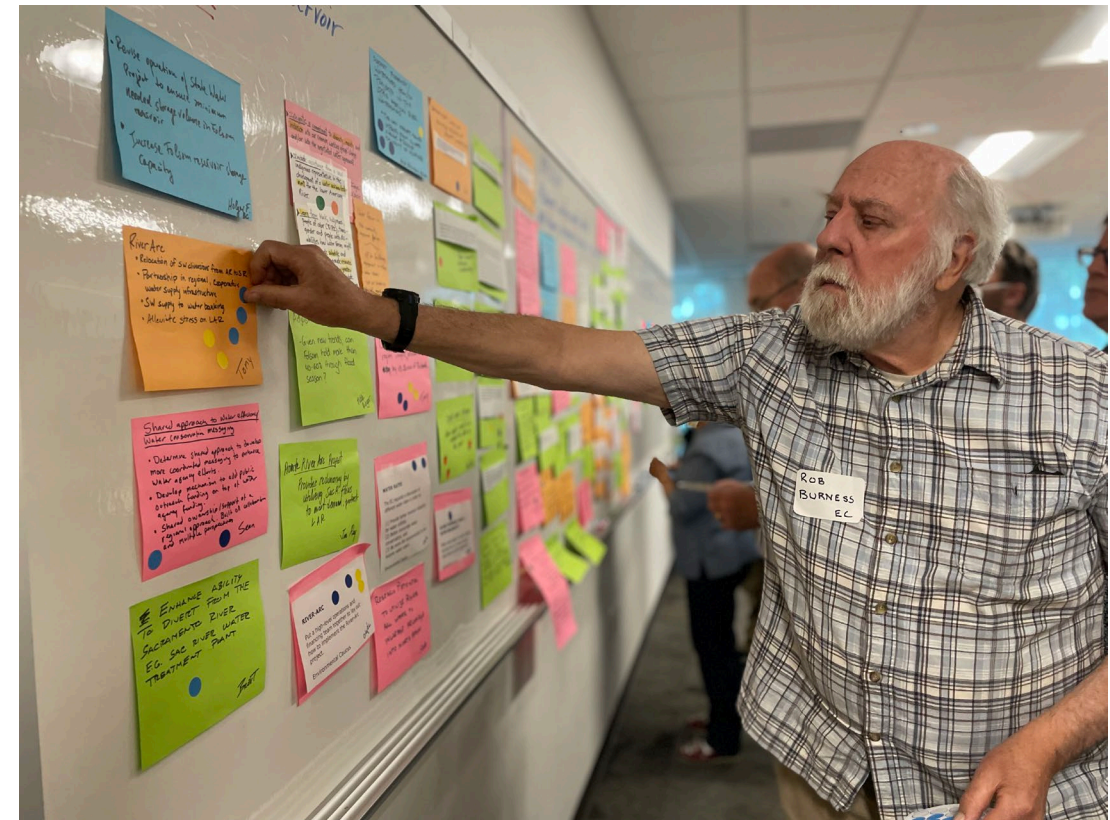
Water Forum members move to invest over \$1 million in additional funding to support next two years of process

New funding partners join the effort: East Bay Municipal District, Sacramento Area Flood Control District

Water Forum members working on identifying potential solution sets

Negotiations on the major elements of the agreement will resume in working groups late Summer/early Fall

Commitment to complete process by March 2025





QUESTIONS?



EL DORADO IRRIGATION DISTRICT

SUBJECT: March 31, 2023 Financial Update.

PREVIOUS BOARD ACTION

Staff presents a financial update to the Board on a quarterly basis.

BOARD POLICIES (BP), ADMINISTRATIVE REGULATIONS (AR), AND BOARD AUTHORITY

BP 3010 Budget

BP 3030 General Manager's Reporting Responsibilities

SUMMARY OF ISSUE

Staff will present to the Board a financial status report on revenues, expenditures, cash compared to the adjusted budget and report on the occurrence of any irregular conditions, such as the need to fund unbudgeted items. This is a financial report for the quarter ended March 31, 2023.

BACKGROUND/DISCUSSION

This agenda item provides a report on the District's fiscal condition as of March 31, 2023. For the year, the District has recorded about \$19.5 million in revenues and \$11.8 million in operating expenses with a net increase of \$7.7 million. However, total cash decreased by \$32.3 million to \$82.6 million at March 31, 2023 primarily related to debt payments and capital construction.

March 31, 2023 Financial Update

District Revenues: Table 1 represents actual revenues recorded by category for the quarter ended March 31, 2023, with comparable 2022 numbers, compared with 2022 and 2023 seasonally adjusted budgeted figures.

Table 1
Total Revenues by Category
(in millions)

Revenue Category	2022			2023		
	3 Months Adopted Budget ⁽¹⁾	March 31 Revenues	Variance Over / (Under)	3 Months Adopted Budget ⁽¹⁾	March 31 Revenues	Variance Over / (Under)
Water Sales and Services	\$ 7.584	\$ 6.983	\$ (0.601)	\$ 7.319	\$ 4.900	\$ (2.419)
Wastewater Sales and Services	5.405	4.886	(0.519)	5.037	3.597	(1.440)
Recycled Water Sales	0.246	0.148	(0.098)	0.211	0.108	(0.103)
Hydropower Sales	0.875	0.000	(0.875)	0.875	0.000	(0.875)
Investment Income	0.188	0.004	(0.184)	0.150	0.000	(0.150)
Debt Surcharges	0.210	0.161	(0.049)	0.240	0.176	(0.064)
Property Tax	3.239	0.000	(3.239)	3.900	8.460	4.560
Other Income	0.520	0.080	(0.440)	1.175	0.100	(1.075)
Grants	1.775	0.000	(1.775)	0.000	0.000	(0.000)
Recreation	0.382	0.372	(0.010)	0.413	0.295	(0.118)
Subtotal	20.424	12.634	(7.790)	19.320	17.636	(1.684)
FCCs	3.300	0.354	(2.946)	2.500	1.894	(0.606)
Total Revenues	\$ 23.724	\$ 12.988	\$ (10.736)	\$ 21.820	\$ 19.530	\$ (2.290)

⁽¹⁾Seasonally adjusted

Recorded revenues for 2023 are approximately \$2.290 million lower than one-fourth of the budgeted revenues for the year. Total revenue is up \$6.542 million year over year. Most revenue categories show minimal changes year over year with the exception of water and wastewater sales as expected due to the abundance and longer duration of rain into the season. Additionally, portions of revenues for utility cycle billing were recorded subsequent to March 31. Facility Capacity Charges (FCCs) and property taxes were received earlier in the year as compared to last year.

District Operating Expenses: For the quarter ended March 31, 2023 the District has incurred about \$11.8 million of its \$64.6 million annual operating expense budget. Table 2 reflects operating expenses, by category, compared to 3 months of the annual budget.

Table 2
Budget to Actual Operating Expenses by Category
January 1- March 31, 2023
(in millions)

Operating Expense Category	2023		Variance
	3 Months Adopted Budget	March 31 Expenses	Over / (Under)
Salaries	6.12	5.54	(0.58)
Benefits	2.93	2.58	(0.35)
Materials and Supplies			
Operating Supplies	1.48	0.81	(0.66)
Chemicals	0.38	0.30	(0.09)
Administrative Costs	1.68	0.93	(0.75)
Utilities	1.78	1.11	(0.67)
Professional Services	1.66	1.08	(0.59)
Repair Services	1.02	0.28	(0.73)
Insurance	0.30	0.00	(0.30)
Operating Capital Outlay	0.15	0.18	0.03
Contingency	0.06	0.00	(0.06)
Grants	0.00	0.00	0.00
Reimbursements from Developers	0.00	0.00	0.00
Labor Offsets	(1.41)	(1.07)	0.35
Total Operating Expenses	16.15	11.75	(4.40)

Table 3 shows the District’s operating expenses, by category, for the quarter ended March 31, 2023 compared to the budget.

Table 3
Budget to Actual Operating Expenses by Category
January 1- March 31, 2023
(in millions)

Operating Expense Category	3 Months Adopted Budget	March 31 Expenses	% of Budget
Wages	\$ 6.118	\$ 5.543	90.6%
Benefits (Table 5)	2.930	2.581	88.1%
Salaries and Benefits	9.048	8.124	89.8%
CIP and Development Reimbursement Labor Offsets	(1.413)	(1.067)	75.5%
Net personnel expense	7.635	7.057	91.4%
Materials and Services			
-Operating Supplies	1.475	0.811	55.0%
-Chemicals	0.384	0.299	77.9%
-Administrative Costs	1.679	0.933	55.6%
-Utilities	1.780	1.111	62.4%
-Professional Services	1.663	1.076	64.7%
-Repair Services	1.015	0.282	27.8%
-Insurance	0.303	0.001	00.3%
-Operating Capital Outlay	0.152	0.182	00.3%
-Contingency	0.063	0.000	n/a
Total Materials and Services	8.514	4.695	55.0%
Total Operating Expenses	\$ 16.149	\$ 11.752	78.8%

Actual expenses for 2023 are 18.2% of the total approved 2023 budget which is on track for this time within the 2023 fiscal year.

Table 4 shows the employee benefits, by type, for the quarter ended March 31, 2023 compared to the budget.

Table 4
Budget to Actual Employee Benefits
January 1-March 31, 2023
(in millions)

Benefits Type	3 Months Adopted Budget	March 31 Expenses	% of Budget
Medical	\$ 1.174	\$ 1.173	99.9%
Retiree Health	0.545	0.187	34.3%
Dental/Vision	0.096	0.079	82.3%
Life	0.013	0.010	76.9%
Workers' Compensation	0.065	0.063	96.9%
FICA	0.445	0.422	94.8%
PERS	0.551	0.608	110.3%
Medical Reimbursement	0.014	0.006	42.9%
Vehicle Allowance	0.008	0.009	112.5%
Other Employee Costs	0.019	0.024	126.3%
Total Benefits	\$ 2.930	\$ 2.581	88.1%

Employee benefits are in line for the first three months of 2023.

Table 5 shows the operating expenses by category comparing 2022 and 2023 results.

Table 5
Operating Expenses by Category
(in millions)

	2022	2023	
Operating Expense Category	March 31 Expenses	March 31 Expenses	Increase / (Decrease)
Salaries	\$ 4.228	\$ 5.543	\$ 1.315
Benefits	3.787	2.581	(1.206)
Materials and Supplies			
Operating Supplies	1.250	0.811	(0.439)
Chemicals	0.202	0.299	0.097
Administrative Costs	0.930	0.933	0.003
Utilities	0.913	1.111	0.198
Professional Services	0.929	1.076	0.147
Repair Services	0.179	0.282	0.103
Insurance	0.007	0.001	(0.006)
Operating Capital	0.716	0.182	(0.534)
Contingency	0.000	0.000	0.000
Grants	0.000	0.000	0.000
CIP and Development Reimbursement Labor Offsets	(1.285)	(1.067)	0.218
Total Operating Expenses	\$ 11.856	\$ 11.752	\$ (0.104)

Total operating expenses year over year for this period remain constant. The decrease in benefits in 2023 is related to the payoff of the CalPERS Unfunded Actuarial Liability (UAL) on June 30, 2022.

District Cash Balances: Table 6 below reflects the dollar change in cash balances from the end of 2022 to the end of the first quarter of 2023.

Table 6
Cash Balance
(in millions)

	12/31/22	3/31/23	Change
Total	\$114.8	\$82.5	(\$32.3)
Unrestricted	\$20.1	(\$5.1)	(\$25.2)
Reserved (Board defined)	38.9	40.1	1.2
Restricted	55.8	47.5	(8.3)
Total	\$114.8	\$82.5	(\$32.3)

2023-2027 Financial Forecast: Table 7 shows the adopted 5-year forecast from November 2022. Staff has not adjusted the forecast for 2023, at this time, but will do so at the next quarterly update, if necessary.

Table 7
2023-2027 Financial Forecast

Total District	Adopted <u>2023</u>	Projected <u>2024</u>	Projected <u>2025</u>	Projected <u>2026</u>	Projected <u>2027</u>
Total Debt Proceeds	-	50.0	-	-	60.0
Total Revenues	103.2	105.7	108.0	114.1	117.1
Total Maintenance and Operation Costs	63.9	66.3	69.6	73.7	71.9
Net Revenues	39.3	39.4	38.4	40.4	45.2
Senior Debt Service	15.0	15.0	22.4	22.4	22.4
Pension Debt Service	7.1	6.3	5.5	5.7	5.9
Total Debt Service	22.1	21.3	27.9	28.1	28.3
Cash Available from Current Year Activities for Capital Projects or Other Improvements	17.2	68.1	10.5	12.3	76.9
Cash Balance - January 1	79.3	59.7	77.3	41.5	17.4
Total Cash Available for Capital Projects or Debt Pre-payment	96.5	127.8	87.8	53.8	94.3
Total CIP	(37.8)	(44.5)	(40.3)	(30.4)	(76.1)
Debt Reserve Paydown on New Debt	-	-	-	-	-
Pre-funding Debt	(6.0)	(6.0)	(6.0)	(6.0)	(6.0)
Other Receipts-Insurance, FEMA and OES	7.0	-	-	-	-
Cash Balance - December 31	59.7	77.3	41.5	17.4	12.2
Senior Debt Service Coverage (1.25x test)	2.62	2.63	1.71	1.80	2.02
Subordinate Debt Service Coverage (1.0x test)	3.42	3.87	2.91	3.16	3.86
Internal Senior Debt Coverage					
Total FCCs in Revenue Above	10.0	10.0	6.5	6.5	5.0
\$\$\$ of FCCs Removed from Calculation	10.0	10.0	6.5	6.5	5.0
Internal Senior Debt Coverage (1.0x test)	1.95	1.96	1.42	1.51	1.79

Table 7 (con't)
2023-2027 Financial Forecast

Water Utility Only	Adopted 2023	Projected 2024	Projected 2025	Projected 2026	Projected 2027
Total Debt Proceeds	-	50.0	-	-	60.0
Total Revenues	69.8	70.6	72.6	76.9	79.2
Total Maintenance and Operation Costs	41.9	41.3	43.3	49.0	46.7
Net Revenues	27.9	29.4	29.3	27.9	32.5
Senior Debt Service	11.5	11.4	19.0	19.3	19.0
Pension Debt Service	4.7	4.2	3.7	3.8	3.9
Total Debt Service	16.2	15.6	22.7	23.1	23.0
CIP Expenditures	-	-	-	-	-
CIP - IT Master Plan	-	-	-	-	-
Cash Available from Current Year Activities for Capital Projects or Other Improvements	11.7	63.7	6.6	4.9	69.5
Cash Balance - January 1	39.6	32.4	57.7	27.5	4.9
Total Cash Available for Capital Projects or Debt Pre-payment	51.3	96.1	64.3	32.4	74.4
Total CIP	(22.7)	(35.3)	(33.6)	(24.3)	(70.2)
Debt Reserve Paydown on New Debt					
Pre-funding Debt	(3.2)	(3.2)	(3.2)	(3.2)	(3.2)
Other Receipts-Insurance, FEMA and OES	7.0	-	-	-	-
Cash Balance - December 31	32.4	57.7	27.5	4.9	1.1
Senior Debt Service Coverage (1.25x test)	2.42	2.57	1.54	1.45	1.71
Subordinate Debt Service Coverage (1.0x test)	3.47	4.28	2.79	2.27	3.44
Internal Senior Debt Coverage					
Total FCCs in Revenue Above	5.90	5.90	3.84	3.84	2.95
\$\$\$ of FCCs Removed from Calculation	5.90	5.90	3.84	3.84	2.95
Internal Senior Debt Coverage (1.0x test)	1.91	2.05	1.34	1.25	1.55

Table 7 (con't)
2023-2027 Financial Forecast

Wastewater Utility Only	Adopted <u>2023</u>	Projected <u>2024</u>	Projected <u>2025</u>	Projected <u>2026</u>	Projected <u>2027</u>
Total Debt Proceeds	-	-	-	-	-
Total Revenues	33.4	35.1	35.4	37.2	37.9
Total Maintenance and Operation Costs	22.0	25.1	26.2	24.7	25.2
Net Revenues	11.4	10.0	9.1	12.5	12.7
Senior Debt Service	3.5	3.5	3.4	3.2	3.4
Pension Debt Service	2.4	2.1	1.9	1.9	2.0
Total Debt Service	5.9	5.6	5.3	5.1	5.4
Cash Available from Current Year Activities for Capital Projects or Other Improvements	5.5	4.4	3.9	7.4	7.3
Cash Balance - January 1	39.7	27.3	19.6	14.0	12.5
Total Cash Available for Capital Projects or Debt Pre-payment	45.2	31.7	23.5	21.4	19.8
Total CIP	(15.1)	(9.2)	(6.6)	(6.1)	(5.8)
Debt Reserve Paydown on New Debt Pre-funding Debt	(2.8)	(2.8)	(2.8)	(2.8)	(2.8)
Other Receipts-Insurance, FEMA and OES	-	-	-	-	-
Cash Balance - December 31	27.3	19.6	14.0	12.5	11.1
Senior Debt Service Coverage (1.25x test)	3.25	2.84	2.66	3.93	3.73
Subordinate Debt Service Coverage (1.0x test)	3.32	3.07	3.07	4.83	4.70
Internal Senior Debt Coverage					
Total FCCs in Revenue Above	4.10	4.10	2.67	2.67	2.05
\$\$\$ of FCCs Removed from Calculation	4.10	4.10	2.67	2.67	2.05
Internal Senior Debt Coverage (1.0x test)	2.08	1.68	1.89	3.09	3.13

BOARD OPTIONS

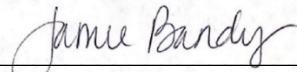
None – Information Only

RECOMMENDATION

None – Information Only

ATTACHMENTS

None



Jamie Bandy
Finance Director



Jim Abercrombie
General Manager

March 31, 2023

Quarterly Financial Update

June 26, 2023

Total District Revenues by Category (in millions)

Revenue Category	2022			2023		
	3 Months Adopted Budget ⁽¹⁾	March 31 Revenues	Variance Over / (Under)	3 Months Adopted Budget ⁽¹⁾	March 31 Revenues	Variance Over / (Under)
Water Sales and Services	\$ 7.584	\$ 6.983	\$ (0.601)	\$ 7.319	\$ 4.900	\$ (2.419)
Wastewater Sales and Services	5.405	4.886	(0.519)	5.037	3.597	(1.440)
Recycled Water Sales	0.246	0.148	(0.098)	0.211	0.108	(0.103)
Hydropower Sales	0.875	0.000	(0.875)	0.875	0.000	(0.875)
Investment Income	0.188	0.004	(0.184)	0.150	0.000	(0.150)
Debt Surcharges	0.210	0.161	(0.049)	0.240	0.176	(0.064)
Property Tax	3.239	0.000	(3.239)	3.900	8.460	4.560
Other Income	0.520	0.080	(0.440)	1.175	0.100	(1.075)
Grants	1.775	0.000	(1.775)	0.000	0.000	(0.000)
Recreation	0.382	0.372	(0.010)	0.413	0.295	(0.118)
Subtotal	20.424	12.634	(7.790)	19.320	17.636	(1.684)
FCCs	3.300	0.354	(2.946)	2.500	1.894	(0.606)
Total Revenues	\$ 23.724	\$ 12.988	\$ (10.736)	\$ 21.820	\$ 19.530	\$ (2.290)

⁽¹⁾Seasonally adjusted

Budget to Actual Operating Expenses by Category (in millions)

	2022	2023	
Operating Expense Category	March 31 Expenses	March 31 Expenses	Increase / (Decrease)
Salaries	\$ 4.228	\$ 5.543	\$ 1.315
Benefits	3.787	2.581	(1.206)
Materials and Supplies			
Operating Supplies	1.250	0.811	(0.439)
Chemicals	0.202	0.299	0.097
Administrative Costs	0.930	0.933	0.003
Utilities	0.913	1.111	0.198
Professional Services	0.929	1.076	0.147
Repair Services	0.179	0.282	0.103
Insurance	0.007	0.001	(0.006)
Operating Capital	0.716	0.182	(0.534)
Contingency	0.000	0.000	0.000
Grants	0.000	0.000	0.000
CIP and Development Reimbursement Labor Offsets	(1.285)	(1.067)	0.218
Total Operating Expenses	\$ 11.856	\$ 11.752	\$ (0.104)

Comparative Operating Expenses by Category (in millions)

Operating Expense Category	3 Months Adopted Budget	March 31 Expenses	% of Budget
Wages	\$ 6.118	\$ 5.543	90.6%
Benefits (Table 5)	2.930	2.581	88.1%
Salaries and Benefits	9.048	8.124	89.8%
CIP and Development Reimbursement Labor Offsets	(1.413)	(1.067)	75.5%
Net personnel expense	7.635	7.057	91.4%
Materials and Services			
-Operating Supplies	1.475	0.811	55.0%
-Chemicals	0.384	0.299	77.9%
-Administrative Costs	1.679	0.933	55.6%
-Utilities	1.780	1.111	62.4%
-Professional Services	1.663	1.076	64.7%
-Repair Services	1.015	0.282	27.8%
-Insurance	0.303	0.001	00.3%
-Operating Capital Outlay	0.152	0.182	00.3%
-Contingency	0.063	0.000	n/a
Total Materials and Services	8.514	4.695	55.0%
Total Operating Expenses	\$ 16.149	\$ 11.752	78.8%

2023-2027 Financial Forecast

- The financial forecast will be updated and presented at a future meeting.

2023-2027 Financial Forecast

Total District	Adopted 2023	Projected 2024	Projected 2025	Projected 2026	Projected 2027
Total Debt Proceeds	-	50.0	-	-	60.0
Total Revenues	103.2	105.7	108.0	114.1	117.1
Total Maintenance and Operation Costs	63.9	66.3	69.6	73.7	71.9
Net Revenues	39.3	39.4	38.4	40.4	45.2
Senior Debt Service	15.0	15.0	22.4	22.4	22.4
Pension Debt Service	7.1	6.3	5.5	5.7	5.9
Total Debt Service	22.1	21.3	27.9	28.1	28.3
Cash Available from Current Year Activities for Capital Projects or Other Improvements	17.2	68.1	10.5	12.3	76.9
Cash Balance - January 1	79.3	59.7	77.3	41.5	17.4
Total Cash Available for Capital Projects or Debt Pre-payment	96.5	127.8	87.8	53.8	94.3
Total CIP	(37.8)	(44.5)	(40.3)	(30.4)	(76.1)
Debt Reserve Paydown on New Debt	-	-	-	-	-
Pre-funding Debt	(6.0)	(6.0)	(6.0)	(6.0)	(6.0)
Other Receipts-Insurance, FEMA and OES	7.0	-	-	-	-
Cash Balance - December 31	59.7	77.3	41.5	17.4	12.2
Senior Debt Service Coverage (1.25x test)	2.62	2.63	1.71	1.80	2.02
Subordinate Debt Service Coverage (1.0x test)	3.42	3.87	2.91	3.16	3.86
Internal Senior Debt Coverage					
Total FCCs in Revenue Above	10.0	10.0	6.5	6.5	5.0
\$\$\$ of FCCs Removed from Calculation	10.0	10.0	6.5	6.5	5.0
Internal Senior Debt Coverage (1.0x test)	1.95	1.96	1.42	1.51	1.79

2023-2027 Financial Forecast

Water Utility Only	Adopted <u>2023</u>	Projected <u>2024</u>	Projected <u>2025</u>	Projected <u>2026</u>	Projected <u>2027</u>
Total Debt Proceeds	-	50.0	-	-	60.0
Total Revenues	69.8	70.6	72.6	76.9	79.2
Total Maintenance and Operation Costs	41.9	41.3	43.3	49.0	46.7
Net Revenues	27.9	29.4	29.3	27.9	32.5
Senior Debt Service	11.5	11.4	19.0	19.3	19.0
Pension Debt Service	4.7	4.2	3.7	3.8	3.9
Total Debt Service	16.2	15.6	22.7	23.1	23.0
CIP Expenditures	-	-	-	-	-
CIP - IT Master Plan	-	-	-	-	-
Cash Available from Current Year Activities for Capital Projects or Other Improvements	11.7	63.7	6.6	4.9	69.5
Cash Balance - January 1	39.6	32.4	57.7	27.5	4.9
Total Cash Available for Capital Projects or Debt Pre-payment	51.3	96.1	64.3	32.4	74.4
Total CIP	(22.7)	(35.3)	(33.6)	(24.3)	(70.2)
Debt Reserve Paydown on New Debt					
Pre-funding Debt	(3.2)	(3.2)	(3.2)	(3.2)	(3.2)
Other Receipts-Insurance, FEMA and OES	7.0	-	-	-	-
Cash Balance - December 31	32.4	57.7	27.5	4.9	1.1
Senior Debt Service Coverage (1.25x test)	2.42	2.57	1.54	1.45	1.71
Subordinate Debt Service Coverage (1.0x test)	3.47	4.28	2.79	2.27	3.44
Internal Senior Debt Coverage					
Total FCCs in Revenue Above	5.90	5.90	3.84	3.84	2.95
\$\$\$ of FCCs Removed from Calculation	5.90	5.90	3.84	3.84	2.95
Internal Senior Debt Coverage (1.0x test)	1.91	2.05	1.34	1.25	1.55

2023-2027 Financial Forecast

Wastewater Utility Only	Adopted 2023	Projected 2024	Projected 2025	Projected 2026	Projected 2027
Total Debt Proceeds	-	-	-	-	-
Total Revenues	33.4	35.1	35.4	37.2	37.9
Total Maintenance and Operation Costs	22.0	25.1	26.2	24.7	25.2
Net Revenues	11.4	10.0	9.1	12.5	12.7
Senior Debt Service	3.5	3.5	3.4	3.2	3.4
Pension Debt Service	2.4	2.1	1.9	1.9	2.0
Total Debt Service	5.9	5.6	5.3	5.1	5.4
Cash Available from Current Year Activities for Capital Projects or Other Improvements	5.5	4.4	3.9	7.4	7.3
Cash Balance - January 1	39.7	27.3	19.6	14.0	12.5
Total Cash Available for Capital Projects or Debt Pre-payment	45.2	31.7	23.5	21.4	19.8
Total CIP	(15.1)	(9.2)	(6.6)	(6.1)	(5.8)
Debt Reserve Paydown on New Debt Pre-funding Debt	(2.8)	(2.8)	(2.8)	(2.8)	(2.8)
Other Receipts-Insurance, FEMA and OES	-	-	-	-	-
Cash Balance - December 31	27.3	19.6	14.0	12.5	11.1
Senior Debt Service Coverage (1.25x test)	3.25	2.84	2.66	3.93	3.73
Subordinate Debt Service Coverage (1.0x test)	3.32	3.07	3.07	4.83	4.70
Internal Senior Debt Coverage					
Total FCCs in Revenue Above	4.10	4.10	2.67	2.67	2.05
\$\$\$ of FCCs Removed from Calculation	4.10	4.10	2.67	2.67	2.05
Internal Senior Debt Coverage (1.0x test)	2.08	1.68	1.89	3.09	3.13

Board Options

No Board Action Required
Information Only

Discussion / Questions



EL DORADO IRRIGATION DISTRICT

SUBJECT: Update on alternative energy infrastructure, including in-conduit hydro, solar and battery storage.

PREVIOUS BOARD ACTION

January 3, 2004 – Board awarded a design-build contract to Shell Solar Incorporation in the not-to-exceed amount of \$5,644,000.00 for Solar Photo Voltaic System for El Dorado Hills Wastewater Treatment Plant, Project No 04018E.

October 24, 2016 – Board awarded a construction contract to TCB Industrial, Inc. for the Tank 7 In-Conduit Hydroelectric Project.

August 12, 2019 – Board adopted a resolution making the required findings and authorizing three 25-year solar power purchase agreements, a reimbursement agreement, and three 25-year license agreements with Borrego Solar Systems, Inc., subject to the terms and conditions of the agreements attached herein for Solar Expansion and Design; Project No. 16030.

June 27, 2022 – Board awarded a contract to Royal Electric Company in the not-to-exceed amount of \$409,409.01 for the construction of the Headquarters Backup Power Modifications Project and authorized additional funding of \$41,000 in project contingency for a total funding request of \$450,409 for the Headquarters Backup Power Modifications Project, Project No. 21042.01.

BOARD POLICIES (BP), ADMINISTRATIVE REGULATIONS (AR), AND BOARD AUTHORITY

BP 5010 Water Supply Management
BP 6010 Wastewater System Management
BP 8010 Hydroelectric System Management
BP 8020 Additional Generation Opportunities

SUMMARY OF ISSUE

The District has sought to augment its electric energy and capacity revenue stream and reduce operational energy expenses by adding new generation facilities whenever they are economically viable. Power costs are one of the District's most significant operational expenses, with approximately \$5.4 million expended on electricity in 2021 and \$5.6 million in 2022. Staff continually investigates cost-effective alternatives to reduce energy expenses. This agenda item presents the status of District investments in energy generation and potential additional opportunities for further savings.

BACKGROUND/DISCUSSION

To advance the District's goal of reducing operational energy expenditures, the District has completed an in-conduit hydro generation project at the Reservoir 7 facility, a 1.0 megawatt (MW) solar field owned by the District at the El Dorado Hills Wastewater Treatment Plant (EDHWWTP), a 1.625MW solar power purchase agreement (PPA) at EDHWWTP, a 1.6MW and 0.75MW PPA at Deer Creek Wastewater Treatment Plant (DCWWTP), and eight battery storage projects at various sites throughout the District. Staff is also evaluating alternative energy savings from additional fiscally viable projects.

Following is a summary of in-conduit hydro, solar, and battery storage projects completed to date and additional energy savings projects staff is evaluating.

Reservoir 7 In-Conduit Hydro

In 2008, EN2 Resources, Inc. conducted a hydroelectric survey for the District that identified potential locations for small hydroelectric power generation. The study identified the Tank 7 site as suitable for an in-conduit hydroelectric project. After several years of analysis and project development, the Board awarded a construction contract for the project in 2016. TCB Industrial Inc., completed construction and commissioned the site in November 2018, with operation commencing in December 2018.

The in-conduit hydro facility takes pressurized water from the Pleasant Oak Main water transmission pipeline upstream of the two Reservoir 7 water storage tanks. It generates electricity from the pressurized pipe before discharging water into the storage tanks. The facility consists of two Cornell turbines that can produce a combined total rated output of 445 kilowatts (kW). The site has a Renewable Energy Self-Generation Bill Credit Transfer (RES-BCT) agreement with PG&E, and the energy generated at the Tank 7 site provides a bill credit for electricity usage both at the Reservoir 7 turbine building and the Folsom Lake Intake (Intake). The Intake pumps raw water from Folsom Lake to the El Dorado Hills Water Treatment Plant and is the District's largest PG&E account.

In 2022, the site provided \$112,000 in cost savings by offsetting electrical costs for the Intake site.

EDHWWTP and DCWWTP Solar Facilities

The existing 1MW solar system at the EDHWWTP has been supplementing power to the District since its initial completion in 2006. A 50% cost match by the California Public Utility Commission (CPUC) initially offset the cost of the 1MW field. The District has recouped the upfront cost in annual cost savings and initial inverter replacement costs in 2017 and 2021 of approximately \$550,000. The panels at this location have continued to perform over its 17-year lifespan. During 2022, cost savings from the original 1MW system totaled \$325,300.

In addition to the existing solar field at EDHWWTP, the District has entered into PPAs with Greenbacker Capital for additional solar facilities at EDHWWTP and DCWWTP. Under these PPAs, the District pays between \$0.078 and \$0.106 per kWh delivered, where PG&E's rates vary from approximately \$0.20 per kWh during non-peak to \$0.60 per kWh during peak hours. The difference between PG&E's rate and the PPA rate multiplied by the amount of solar energy produced results in cost saving to the District.

Construction commenced on the PPA facilities in September 2020, and the facilities were permitted to operate by PG&E in June and September 2021 for the EDHWWTP and DCWWTP sites, respectively. Under the assumptions when the PPA contracts were initiated in 2018, the District projected cost savings of \$491,181 for energy consumed in 2022. However, PG&E's electrical rates have sharply increased since 2018, and energy production from the three PPA arrangements has over-performed, resulting in a total cost savings of \$811,000 at the three PPA sites 2022.

Additionally, the District receives renewable energy certificates (RECs) for each megawatt-hour of solar energy produced at the legacy 1 MW site and the three PPA sites. The three PPA sites were registered with the Western Renewable Energy Generation Information System (WREGIS) in July 2022 and began receiving credits then. The legacy 1MW site received credits for all of 2022. The District has elected to sell its REC credits to a third party. The sale of these credits allows a third party the use the environmental, social, and other non-power attributes of renewable electricity generation to offset their carbon footprint. In 2022, the District realized \$58,900 in REC sales. In 2023, this number is expected to be \$90,000-\$100,000 when full credits for all four sites are available for sale.

The District received \$1,195,200 in cost savings and credits from solar in 2022.

Battery Energy Storage Facilities

Staff began working with Tesla, Inc. in 2020 and identified eight District facilities that qualified for Self-Generation Incentive Program (SGIP) Equity Resiliency Rebates based on qualifying criteria. Incentives available under the SGIP Equity Resiliency Rebates covered up to \$1,000/kilowatt-hour for battery storage installations. In most cases, this rate covered the cost of engineering and installation of the batteries themselves. The District was responsible for additional costs for site improvements and applicable PG&E service upgrades.

The primary benefit of Battery Energy Storage (BES) projects to the District is to reduce on-peak power use demands at each facility by charging the batteries during off-peak hours and then fully discharging them during peak hours in a practice known as peak shaving. However, the provided backup battery equipment is also designed to fully power all but one BES site during a power outage. During anticipated Public Safety Power Shutoff (PSPS) events, batteries will override peak shaving functions to maximize backup power duration to each site. BES-provided power will reduce and/or potentially eliminate the time generators must run, depending on the length of the PSPS event, to maintain uninterrupted services to our customers. However, during normal unplanned outages, the backup duration will depend on how much energy has been diverted back to PG&E for peak shaving and the state of the battery charge at the time of the outage. At all sites, the total energy storage for the BES projects is finite and dependent on battery capacity and site energy usage. All sites will still need generators for longer-duration power outages.

Table 1 includes a summary of District BES facilities. These sites generally include treatment plants and larger pump stations east of El Dorado Hills. To date, the batteries have slightly overperformed initial cost savings forecasts, and in 2022 provided \$155,500 in cost savings for five of the installations over the past twelve months. Billing data is not yet available for three of the installations. These cost savings will likely increase moving forward after PG&E corrects its operational billing issues and Tesla further optimizes the systems for each site. The charging strategy at each location is developed and refined based on energy demand patterns and SGIP funding requirements.

Table 1: Battery Energy Storage Equipment Summary

Site	Full Backup Duration	SGIP Incentive	Estimated 10-year Energy Savings	Estimated 20-year Energy Savings	Estimated Year-One Savings	Actual Year-One Savings	Savings Excess/ Shortfall
Water Enterprise Sites							
Res 1 WTP	20 hr	\$696,000	\$184,976	\$399,438	\$17,291	\$24,000	\$6,709
Res A WTP	17 hr	\$1,256,000	\$437,649	\$945,058	\$40,910	\$35,100	(\$5,810)
North Canyon PS	43 hr	\$628,000	\$53,436	\$115,389	\$4,995	\$5,600**	\$605
Moose Hall PS	31 hr	\$1,722,000	\$86,674	\$187,164	\$8,102	\$37,700	\$29,598
Sportsmans PS	18 hr	\$2,249,389	\$634,586	\$1,370,323	\$59,319	\$53,100***	(6,219)
Wastewater Enterprise Sites							
El Dorado LS	40 hr	\$464,000	\$42,856	\$92,542	\$4,006	*	*
DCWWTP (Blower Room)	7 hr	\$2,384,000	\$1,187,311	\$2,563,878	\$110,986	*	*
General District Site							
Headquarters Building	20 hr	\$1,256,000	\$368,359	\$795,434	\$34,433	*	*
<i>Totals</i>		\$10,655,389	\$2,995,847	\$6,469,226	\$280,042	\$155,500*	\$24,883

*Billing data is not available for the El Dorado Lift Station, DCWWTP, and Headquarters Building during the current performance analysis.

**North Canyon Pump Station had seven months of data in the modeling period.

***Sportsmans Pump Station had eight months available in the modeling period.

Additional Cost Savings Opportunities

Inflation Reduction Act

Congress enacted the Inflation Reduction Act of 2022 (IRA). The provisions of this act revised clean energy credits for solar, wind, and battery storage, which increased tax credits to 30% of the installed system cost, made credits available to public and non-profit agencies, and retroactively made the credits available for facilities placed into service after January 1, 2022. The District BES installations at the Headquarters Building, El Dorado Lift Station, and DCWWTP were all placed into service after January 1, 2022, potentially qualifying for additional credits under the IRA. The Internal Revenue Service (IRS) has not yet issued final guidance on the clean energy credits. Still, staff is working with Tesla to maximize any incentives available to the District. Based on preliminary IRS guidance, staff is pursuing up to \$540,000 in additional incentives for these three projects.

Solar - NEM 2.0, Net Billing Tariff, and RES-BCT

Beginning on April 15, 2023, the California Public Utilities Commission fully transitioned from NEM 2.0 to a new Net Billing Tariff (NBT). Under NEM 2.0, any excess energy produced by solar facilities and sent to the grid received a full credit to the consumer based on the import price during the same time interval—essentially, a time-based 1:1 exchange between the consumer and the power provider (PG&E).

The new NBT values export credits at the avoided cost of the power provided. Avoided costs are based on the wholesale market generation costs only and do not include transmission and facility costs charged by the provider. The consensus of the solar industry is that cost savings under NBT are significantly lower and will be approximately 30% of those provided under the NEM 2.0 program, likely decreasing the financial viability of additional solar projects.

The District’s solar projects at EDHWWTP and DCWWTP are grandfathered under NEM 2.0 rates for 20 years from the date of initial interconnection and are unaffected by this change. Any site that completed a NEM 2.0 application before April 15, 2023 will also be grandfathered for 20-years provided construction is complete and the facility is ready for operation before April 15, 2026. To leverage this final opportunity for NEM 2.0, staff evaluated District sites with physical space and geography amenable to solar and identified the Headquarters Building parking lots as a potential site that would benefit from solar. Staff issued a contract to Sage Energy Consulting (Sage) to proactively file a NEM 2.0 application for the Headquarters Building (preserving this option) and to complete a feasibility analysis for the site.

Staff has also contracted with Sage to complete a RES-BCT analysis for remaining District facilities. The RES-BCT program allows local governments to use up to a 5.0MW renewable generating facility to export energy to the grid and receive generation credits to benefitting accounts from the same agency. In this instance, staff is evaluating the installation of a solar field up to 5.0MW in size on vacant District property to offset power charges at multiple high-use sites such as the El Dorado Hills Water Treatment Plant, Folsom Lake Intake, and the Silva Valley Pump Station.

If the results of these analyses are favorable, staff will report back to the Board later this fall to receive further direction on whether to continue to pursue this potential option, especially in light of new fleet electrification requirements and additional future energy needs.

Staff will continue to evaluate cost savings and clean energy credits for District projects when fiscally viable.

Conclusion

Electricity costs continue to be one of the most significant expenses for the District. Proactive investments in alternative energy projects provided a minimum of \$1,462,700 in cost savings in 2022. Staff will continue to monitor and pursue additional fiscally prudent alternative energy and energy savings projects when available.

BOARD OPTIONS


No action – information only

RECOMMENDATION


Information only

ATTACHMENTS

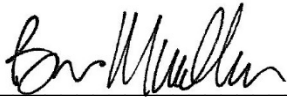
Attachment A: Alternative energy performance analysis for hydro, solar and battery storage



Jon Money
Senior Civil Engineer



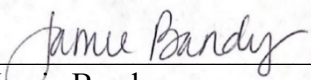
Elizabeth Dawson
Engineering Manager




Brian Mueller
Engineering Director




Dan Corcoran
Operations Director



Jamie Bandy
Finance Director



Brian Poulsen
General Counsel



Jim Abercrombie
General Manager

EL DORADO IRRIGATION DISTRICT BATTERY AND RES-BCT PERFORMANCE ANALYSIS

Katie Crider, Director of Asset Management

June 2, 2023

N|V|5

RES-BCT SAVINGS

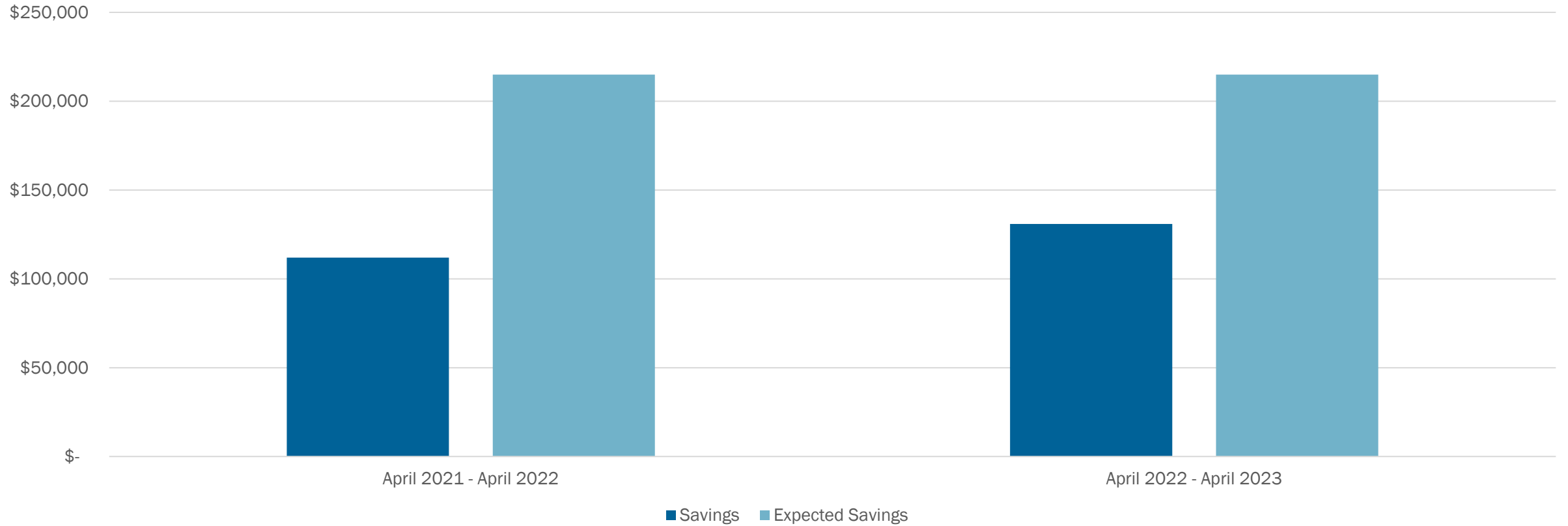


Site	Modeled Period	Utility Tariff	Net Consumption kWh	PG&E Billed Cost	RES-BCT Credits Applied
Reservoir 7	4/11/2022 – 4/10/2023	B-6 RES-BCT	(793,600)	\$7,800	N/A
Folsom Lake Intake	4/23/2022 – 4/22/2023	B-20P	4,642,300	\$1,117,900	\$112,000
Reservoir 7	4/11/2021 – 4/10/2022	A-6 RES-BCT	(1,011,500)	\$1,700	N/A
Folsom Lake Intake	4/22/2021 – 4/22/2023	B-20P	6,615,700	\$1,081,400	\$131,000

High generation charges make B-6 the ideal tariff for Reservoir 7

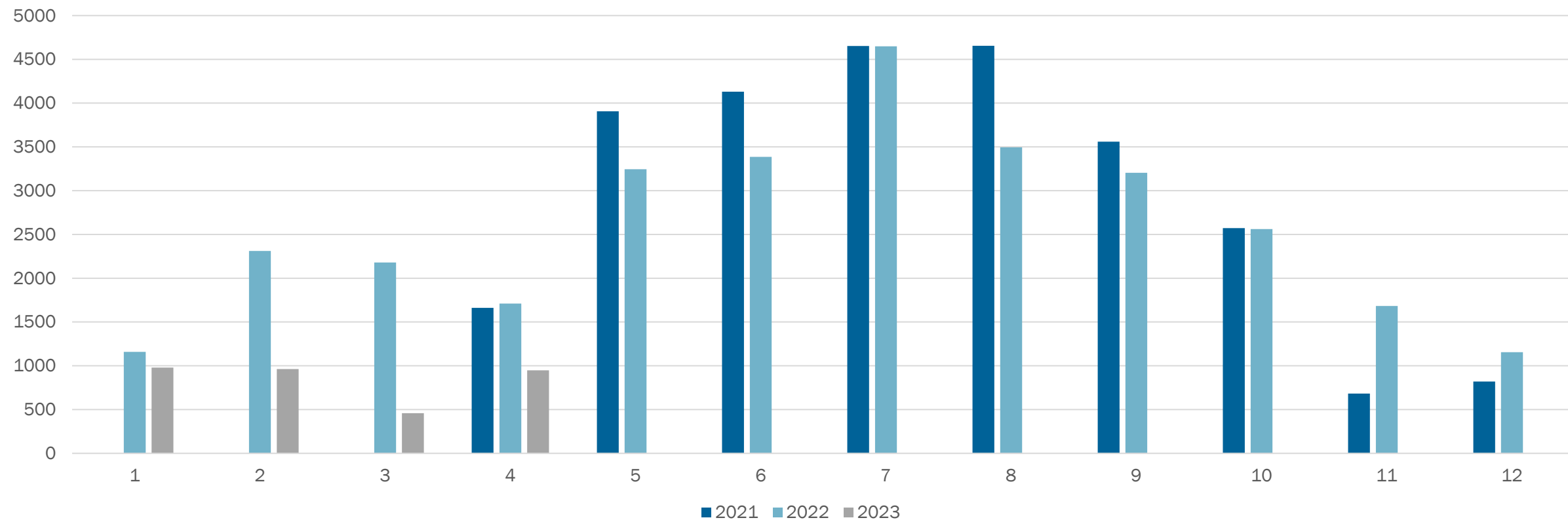
Folsom Lake Intake ineligible to move to E-19

RES-BCT SAVINGS



Annual savings from inline hydro system.

AVERAGE DAILY INLINE HYDRO EXPORT



Average daily kWh exported by inline hydro system installed as Reservoir 7



TESLA BATTERY PERFORMANCE ANALYSIS

N|V|5

TESLA BATTERY SUMMARY

Tesla owns and operates battery energy storage systems (BESS) at eight District sites. The BESS systems were installed in 2021 and 2022; 7 of the 8 sites are currently operating.

- Tesla gets payment from PG&E under the Self Generation Incentive Program (SGIP)
- The District gets benefit from the BESS discharge during peak periods

NV5 modeled the District's savings for 5 of the 8 sites as compared to Tesla's proposal to the District.

- The sites have saved the District approximately \$155,000 compared to Tesla's estimated \$131,000 savings
- NV5 did not model 3 sites due to lack of data

TESLA PROPOSAL SUMMARY



Site	Online Date	BESS Output Rating (kW)	Size (kWh)	Annual Savings	10-Year Savings	20-Year Savings
Res 1 WTP	8/2021	174	696	\$17,291	\$184,976	\$399,438
Res A WTP	1/2022	280	1,392	\$40,910	\$437,649	\$945,058
North Canyon PS	9/2022	140	696	\$4,995	\$53,436	\$115,389
Moose Hall PS	11/2021	350	2088	\$8,102	\$86,674	\$187,164
Sportsmans PS	8/2022	560	2,784	\$59,319	\$634,586	\$1,370,323
Headquarter Building	1/2023	280	1,392	\$34,433	\$386,359	\$795,434
El Dorado LS	2/2023	116	464	\$4,006	\$42,856	\$92,542
Deer Creek WWTP Blower	TBD	700	3,016	\$110,986	\$1,187,311	\$2,563,878

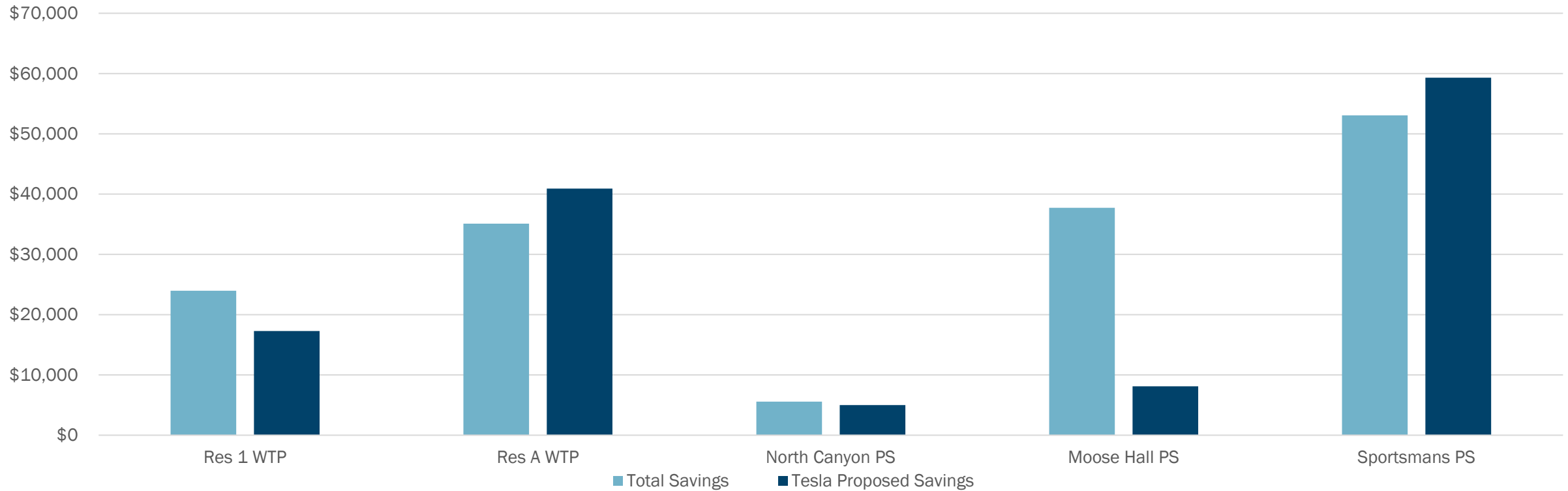
BESS SAVINGS

Site	Months in Modeling Period	Tesla Proposed Savings	Total Savings from BESS	Excess/(Shortfall)
Res 1 WTP	12	\$17,291	\$24,000	\$6,709
Res A WTP	12	\$40,910	\$35,100	(\$5,810)
North Canyon PS*	7	\$4,995	\$5,600	\$605
Moose Hall PS	12	\$8,102	\$37,700	\$29,598
Sportsmans PS*	8	\$59,319	\$53,100	(\$6,219)
Total		\$130,617	\$155,500	\$24,883

*Only partial year data available for modeling. Actual savings should meet Tesla proposal once full 12 months has elapsed.

BESS SAVINGS VS. PROPOSAL

SAVINGS COMPARISON



BESS SAVINGS BREAKDOWN



Site	Modeled Period	Savings from Rate Change	Savings from BESS	Total Savings from BESS
Res 1 WTP	4/14/2022 – 4/13/2023	\$8,900	\$15,000	\$24,000
Res A WTP	5/3/2022 – 5/2/2023	\$17,600	\$17,500	\$35,100
North Canyon PS	9/10/2022 – 4/10/2023	\$2,300	\$3,200	\$5,600
Moose Hall PS	5/2/2022 – 5/1/2023	\$24,300	\$13,400	\$37,700
Sportsmans PS	9/14/2022 – 5/14/2023	\$43,300	\$9,800	\$53,100
Headquarter Building	Not modeled; Tesla data does not match billing data			
El Dorado LS	Online February 2023; PG&E bill data not yet available			
Deer Creek WWTP Blower	Not modeled; BESS not yet operational			

SAVINGS BREAKDOWN

Savings from BESS:

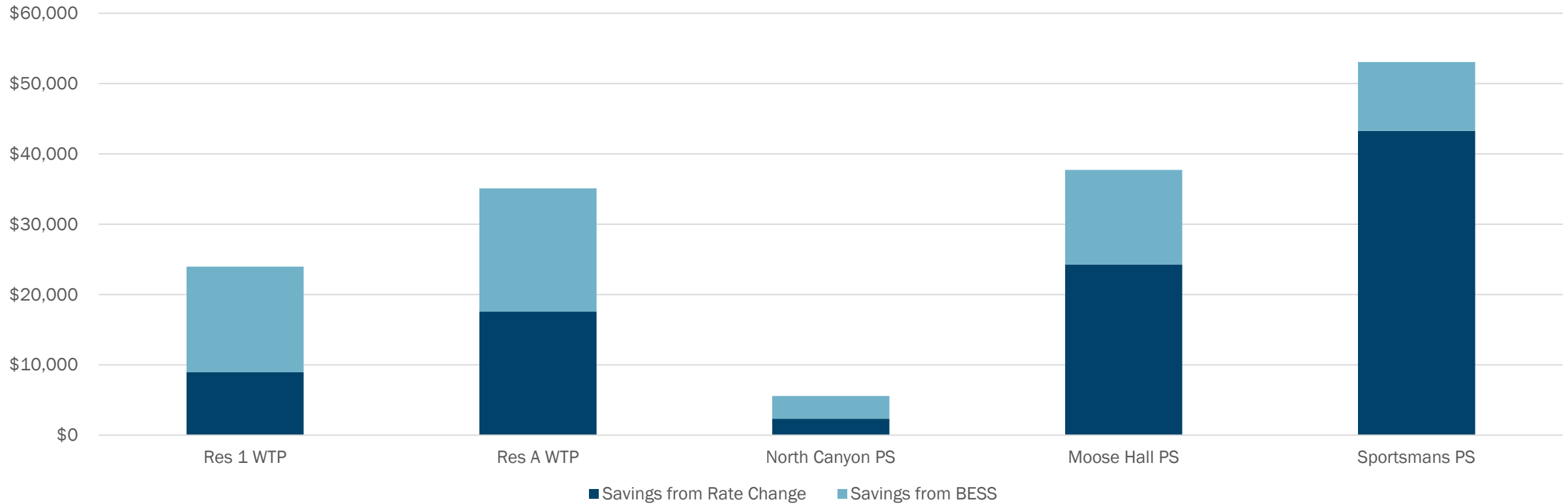
- Savings from discharging the batteries and selling energy to the grid

Savings from Rate Change:

- Savings from switching tariffs; tariff switch only available due to implementation of BESS
- The sites would otherwise be on B-10; they have opted into B-19. This change accounts for part of the savings
- The bulk of the savings are due to being able to take advantage of the B-19 Option S tariff, which allows for daily (rather than monthly) demand charges. Only customers with storage are able to qualify for this tariff.
- The sites are on B-19 Option S with PG&E, but on B-19 with PCE. This is slightly beneficial.

BESS SAVINGS BREAKDOWN

SAVINGS BREAKDOWN



BESS PERFORMANCE SUMMARY

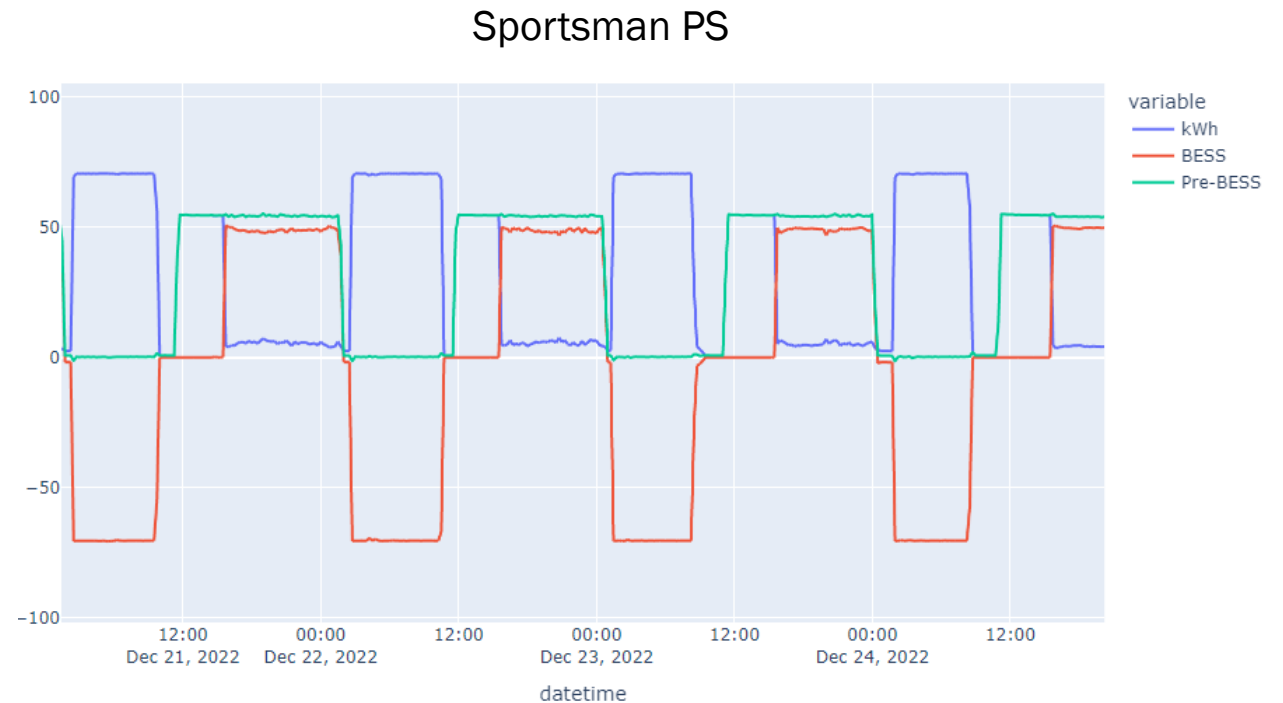


Site	First Available Bill	Months in Modeling Period	BESS Discharge	BESS Size (kWh)	Full BESS Cycles
Res 1 WTP	1/25/2022	12	115,748	696	166
Res A WTP	3/31/2022	12	229,960	1,392	165
North Canyon PS	9/14/2022	7	56,908	696	82
Moose Hall PS	2/9/2022	12	160,571	2,088	77
Sportsmans PS	9/14/2022	8	336,989	2,784	121
Headquarter Building	Not modeled; Tesla data does not match billing data				
El Dorado LS	Online February 2023; PG&E bill data not yet available				
Deer Creek WWTP Blower	Not modeled; BESS not yet operational				

BESS OPTIMIZATION – SCENARIO 1

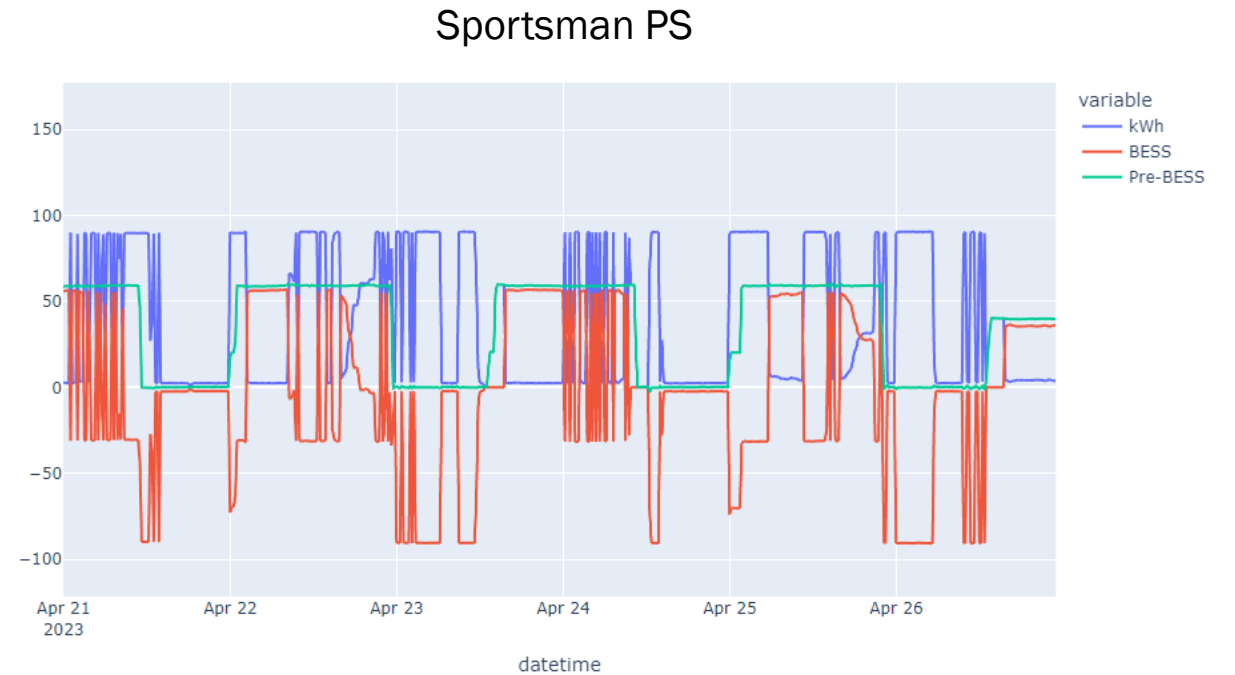
They seem to be overshooting the goal of minimizing demand during peak periods at the expense of increasing the overall maximum demand (to recharge the batteries during the early morning hours).

- Starting at 4pm, the BESS discharges (red line positive) in order to reduce the load (green) down to a minimal net level (blue).
- This continues beyond the end of the peak period (9pm) until about 2am.
- Then the BESS needs to recharge until 11am (red line negative) which increases the net usage above the original maximum demand.



BESS OPTIMIZATION – SCENARIO 2

BESS is charging/discharging somewhat erratically.



RES-BCT

The inline hydro system is not savings as much money as initial forecast.

- District should review initial assumptions and generator settings

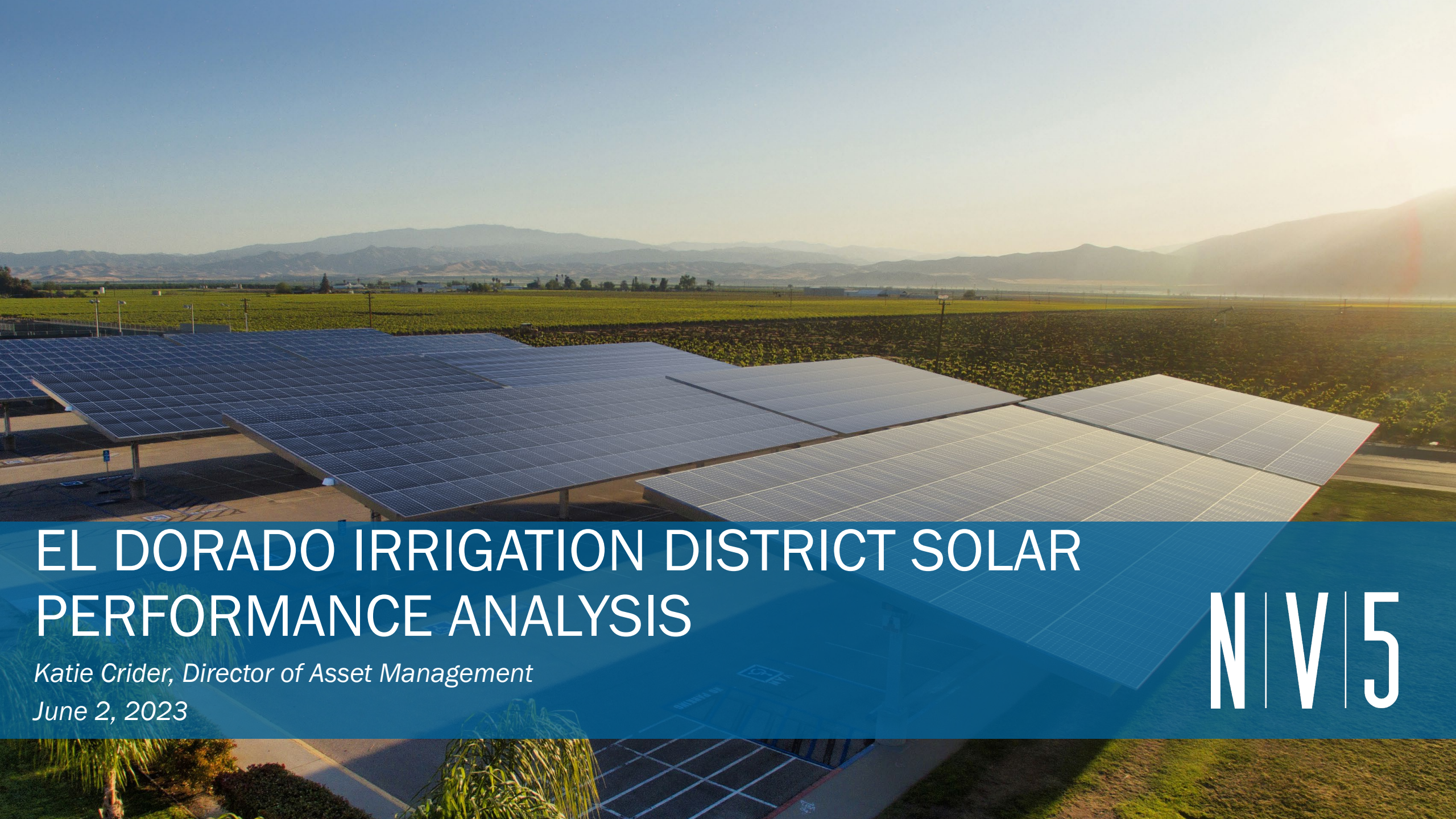
BESS

Although the BESS is savings the District money, the BESS charge and discharge schedule could be optimized to increase District savings.

- District should discuss fine-tuning BESS charge and discharge settings with Tesla

Missing Data

- NV5 to review Tesla BESS data and request missing PG&E data



EL DORADO IRRIGATION DISTRICT SOLAR PERFORMANCE ANALYSIS

Katie Crider, Director of Asset Management

June 2, 2023

N|V|5

REPORT OVERVIEW

This report reviews the performance of the four existing Solar PV systems used by the District. Parameters evaluated are:

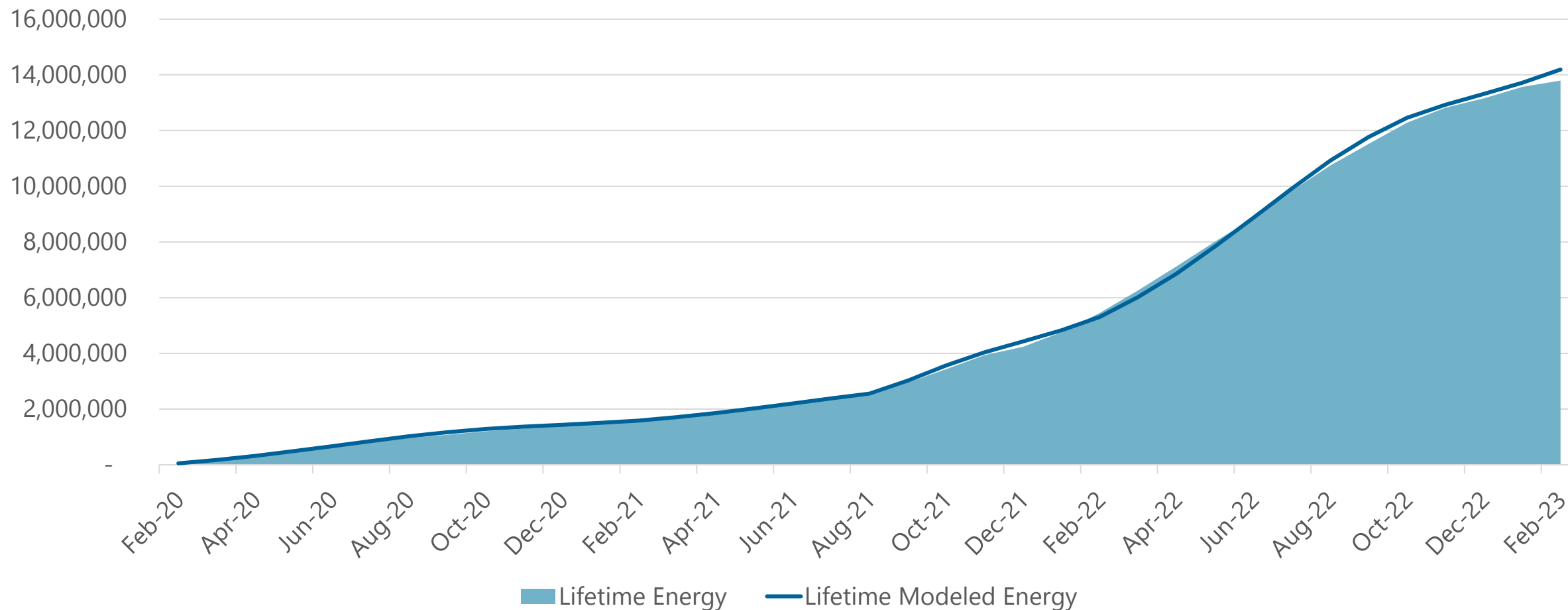
- PV energy production vs. expected production
- Financial performance of the portfolio

PROJECT DETAILS

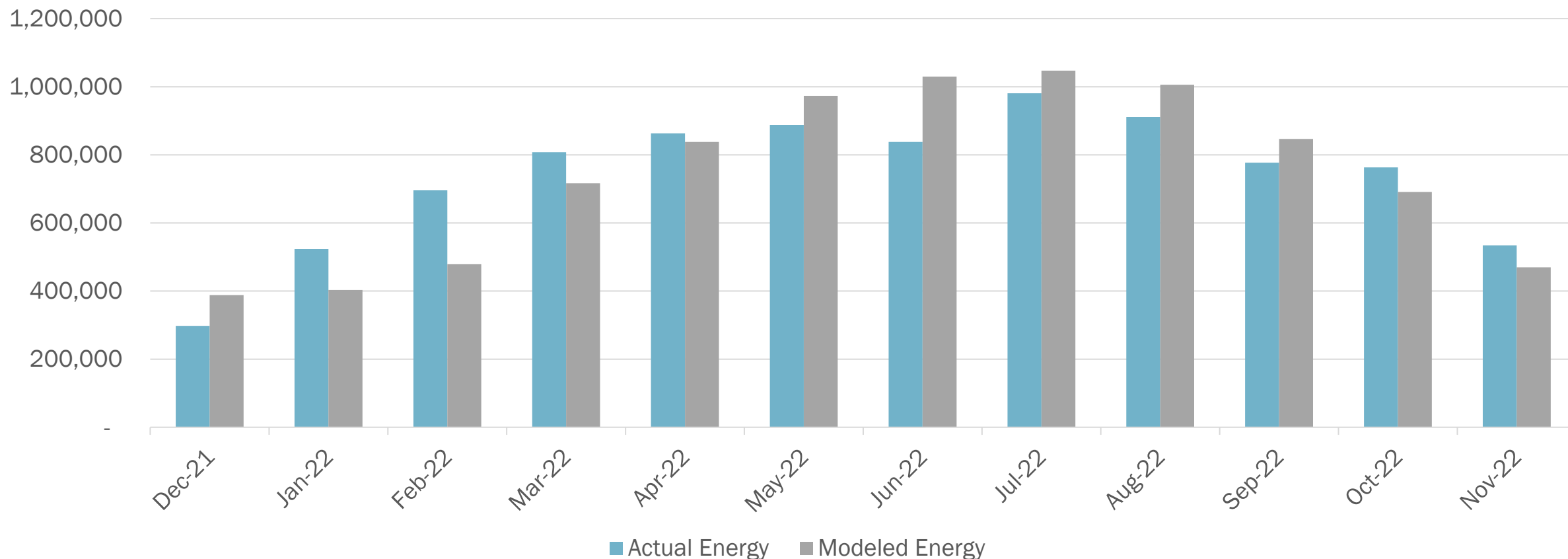


Project Name	EDH Blower	Deer Creek Blower	Deer Creek UV	EDH UV
Commercial Operation Date	7/1/2028	9/14/2021	9/13/2021	6/25/2021
PV Data Available Date	2/12/2020	10/13/2021	10/24/2021	9/1/2021
Size kWp	1,008	1,638	745	1,915
Modeled Production – Year-1, kWh	1,630,599	1,269,442	2,740,803	3,361,030
Modeled Annual System Degradation	0.5%	0.5%		
PPA Provider	N/A	Greenbacker Renewable Energy Corp.		
PPA Price, \$/kWh	N/A	\$0.098	\$0.1057	\$0.0825
PPA Contract Term, Years	N/A	25 Years		
Performance Guarantee	N/A	95% weather adjusted; true up every 4 years		

ACTUAL VS. EXPECTED PERFORMANCE



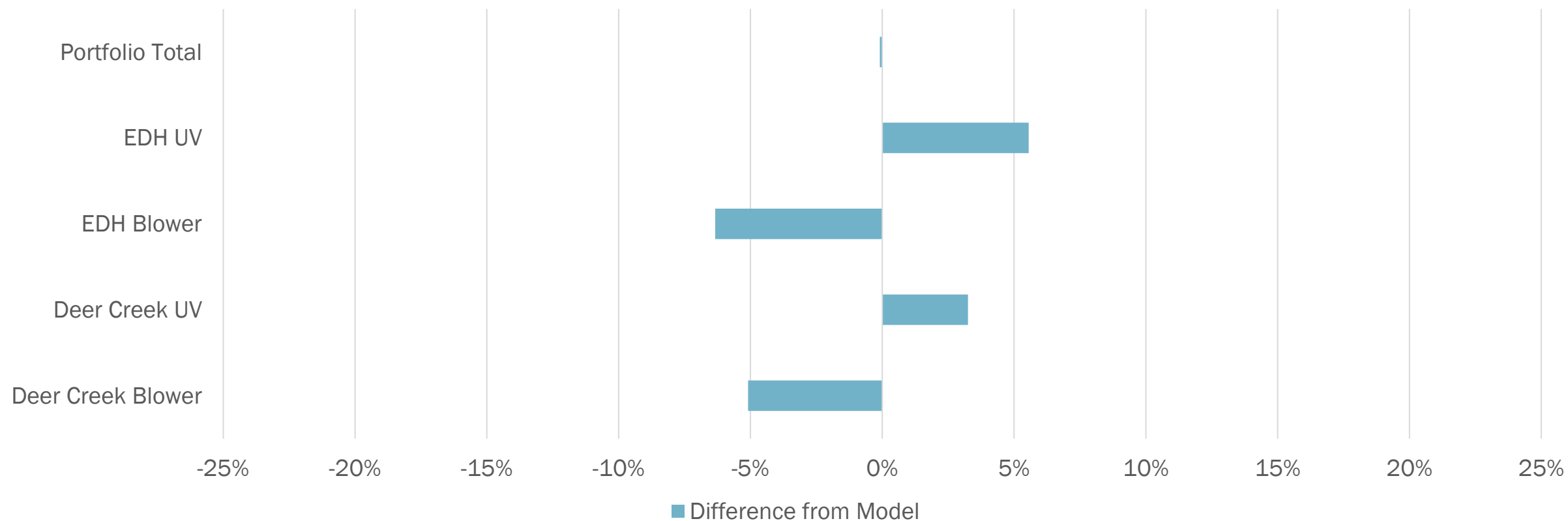
ACTUAL VS. EXPECTED PERFORMANCE



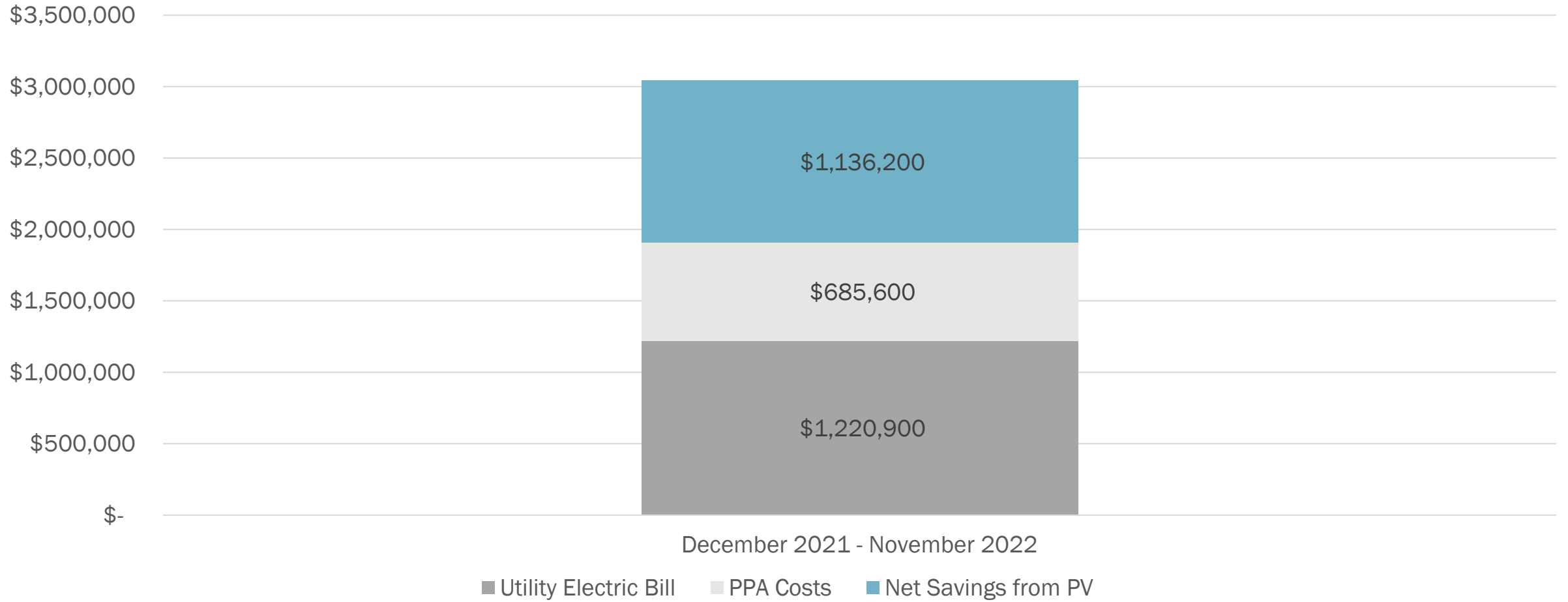
Monthly solar models show lower performance in January – March than actual. This could be caused by the weather file used to model the weather or the actual conditions on site. The annual totals are in line with the model.

SOLAR PV DIFFERENCE FROM MODEL

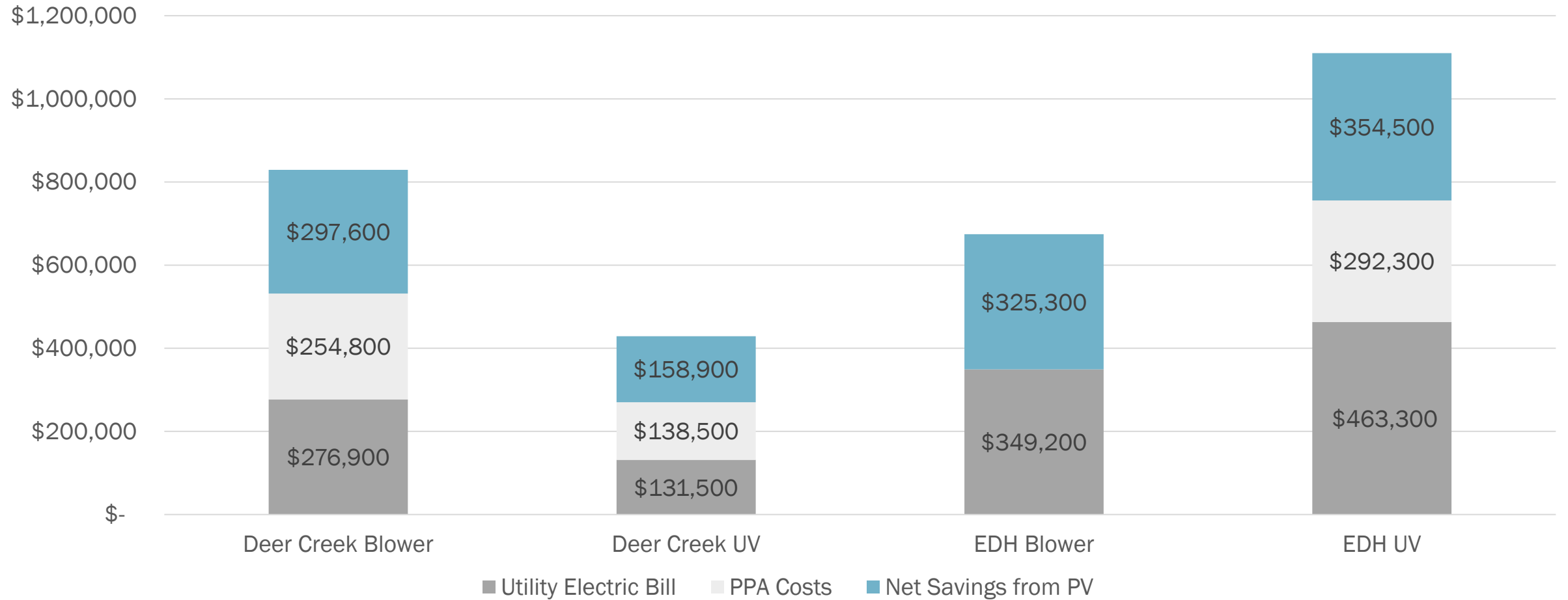
DECEMBER 2021 – NOVEMBER 2022



ELECTRICITY COSTS AND PV SAVINGS



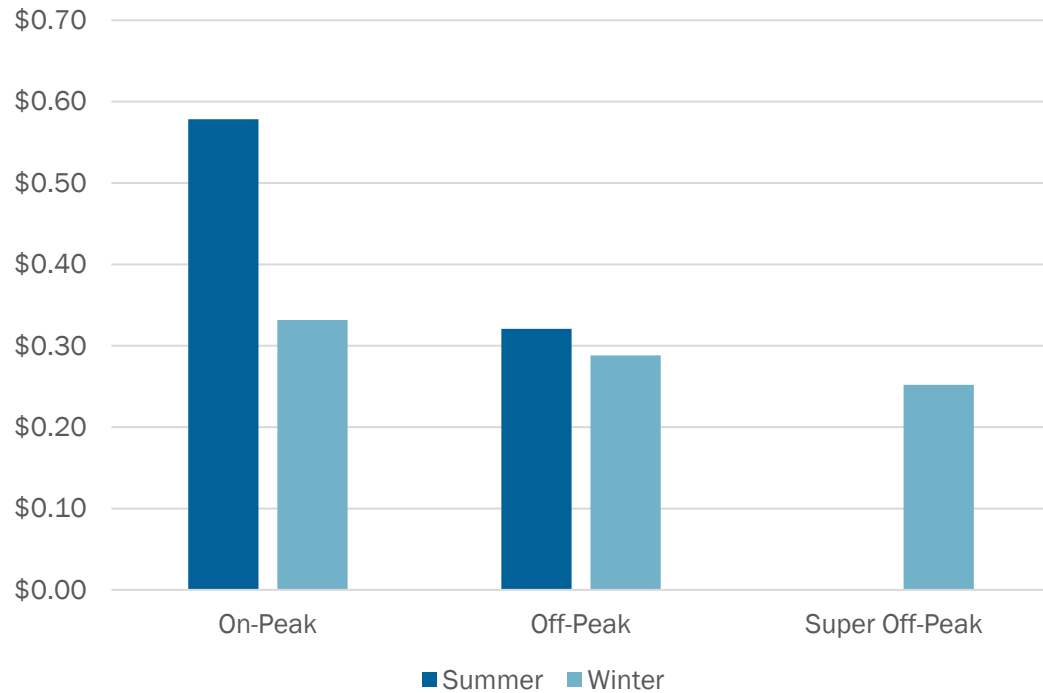
PV SAVINGS DECEMBER 2021 – NOVEMBER 2022



Deer Creek UV (SAID 3756169916)

- PG&E has acknowledged "we are getting the meter corrected as it was installed at the incorrect service point and waiting on verification of the meter constant before we bill."
- As of 6/2/2023, PG&E has not provided updated interval data. The PG&E electric bill savings are estimated based on average kWh rates.

B-6 RATES/KWH



B-6 TOU PERIODS

Summer (June-September)

Peak: 4:00 pm to 9:00 pm Every day, including weekends and holidays

Off-Peak: All other hours

Winter (October-May)

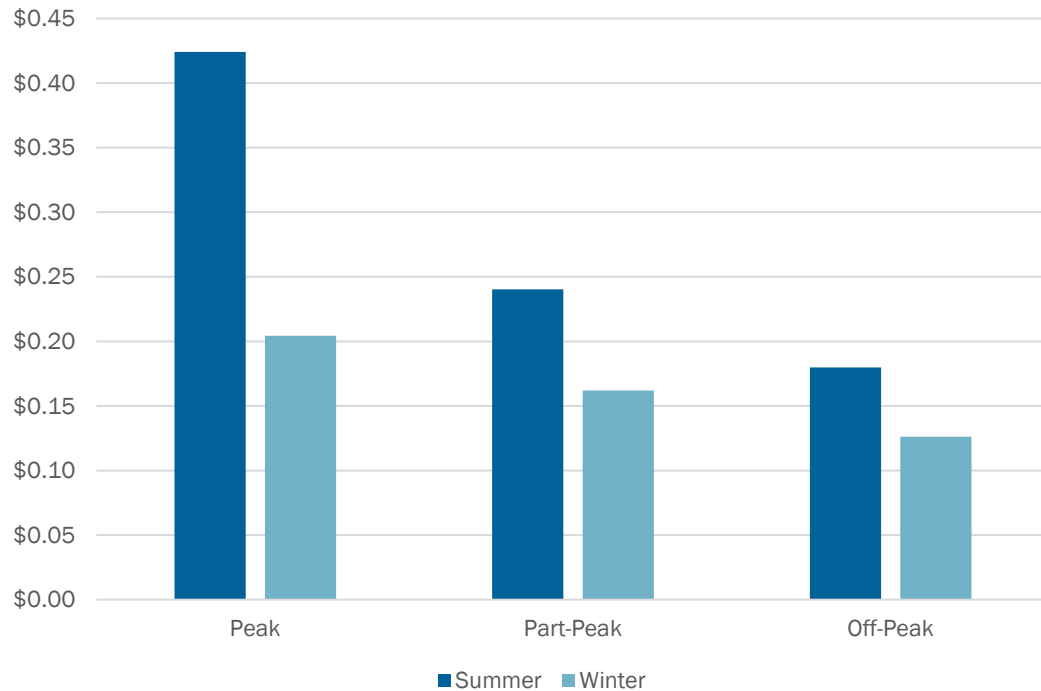
Peak: 4:00 pm to 9:00 pm Every day, including weekends and holidays

Super Off-Peak 9:00 am to 2:00 pm Every day in March, April and May, including weekends and holidays

Off-Peak: All other hours

B-6 is a time of use and an energy-based tariff; charges are based on energy (kWh) used

B-19 OPTION R RATES/KWH



B-19 is a time of use and demand-based tariff available to solar PV arrays; charges are based on energy (kWh) used and maximum demand (\$27/kW).

B-19 TOU PERIODS

Summer (June-September)

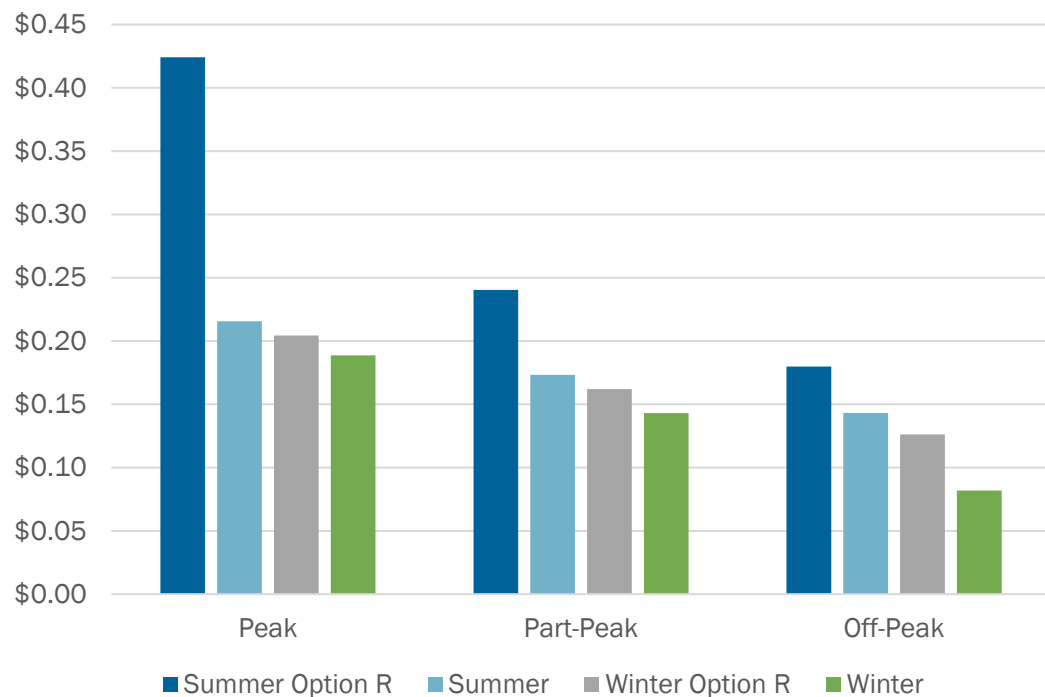
Peak:	4:00 pm to 9:00 pm	Every day, including weekends and holidays
Partial-Peak:	2:00 pm to 4:00 pm AND 9:00 pm to 11:00 pm	Every day, including weekends and holidays
Off-Peak:	All other hours	

Winter (October-May)

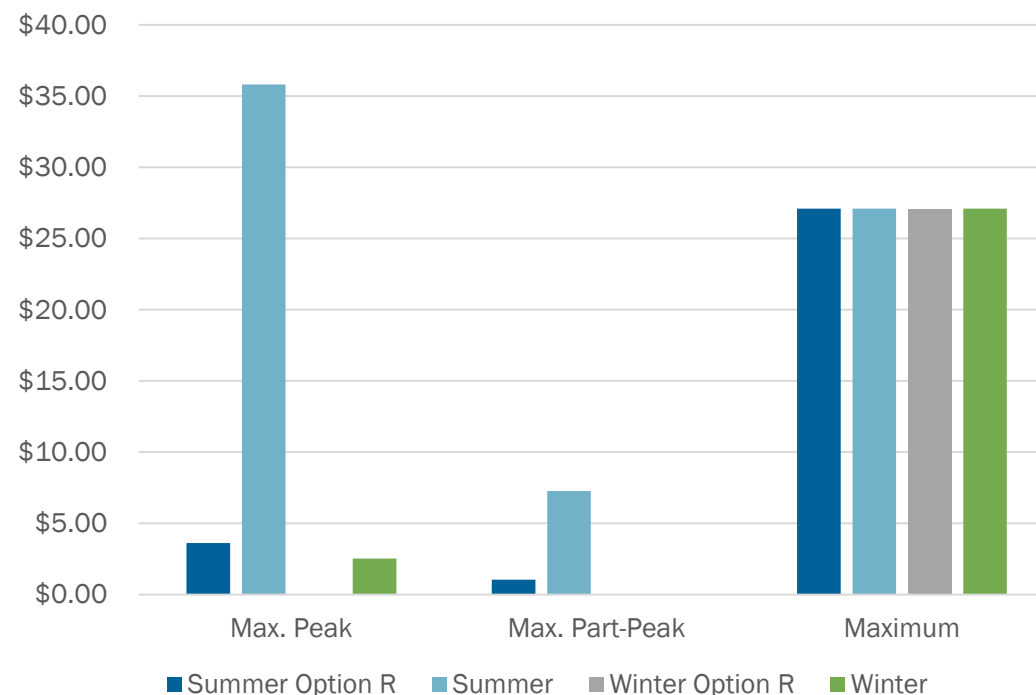
Peak:	4:00 pm to 9:00 pm	Every day, including weekends and holidays
Super Off-Peak	9:00 am to 2:00 pm	Every day in March, April and May only,

PG&E B-19 OPTION R COMPARISON

B-19 RATES/KWH



B-19 RATES/KW



Option R has higher energy rates and lower Max. Peak rates than B-19. This is generally favorable for solar PV arrays and is only available for sites with solar PV installed.



Update on District alternative energy infrastructure including in-conduit hydro, solar, and battery storage

Information Item

June 26, 2023

Previous Board Actions

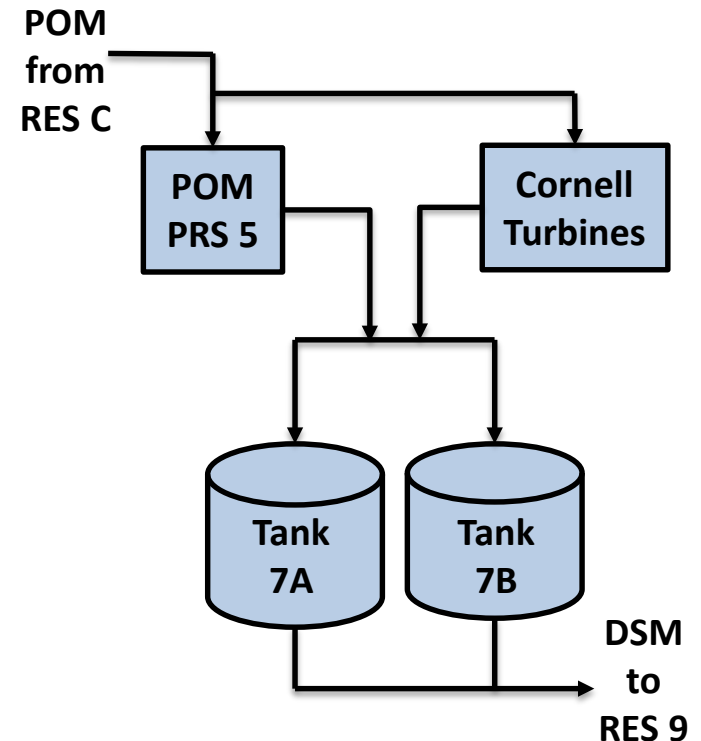
- Board has awarded various construction contracts for construction of solar, small hydro, and battery energy storage projects at district facilities between 2004 and 2022.
- Facilities include:
 - 0.484 megawatt (MW) hydro facility at Reservoir 7 (2018)
 - 1 MW District-owned solar facility at El Dorado Hills Wastewater Treatment Plant (EDHWWTP) (2004)
 - 1.6MW power purchase agreement (PPA) at EDHWWTP (2021)
 - 2.35 MW PPA at Deer Creek Wastewater Treatment Plant (DCWWTP) (2021)
 - 11.1MWh District-owned battery energy storage at eight facilities (2021)

Background

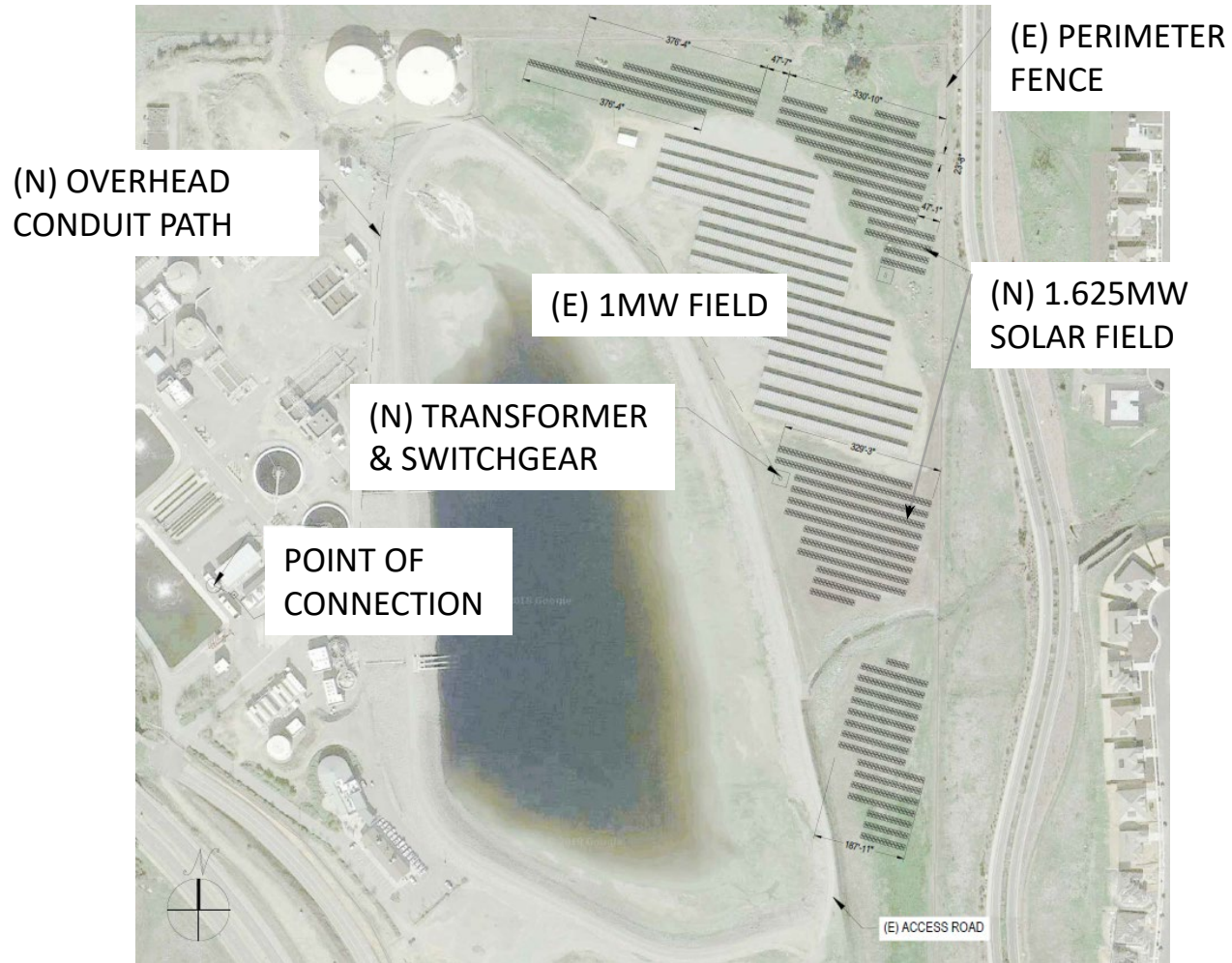
- Board Policy 8020 – District shall seek to augment its electric energy and capacity revenue stream, and/or reduce its operational energy expenses, by adding new generation facilities whenever they are economically viable.
- District PG&E expenditures
 - 2021 \$5.4 million
 - 2022 \$5.6 million

Reservoir 7 In-Conduit Hydro Project

- 2 in-line Cornell turbines
- 0.484 MW capacity
- 2022 cost savings of \$112,000



EDHWWTP Solar

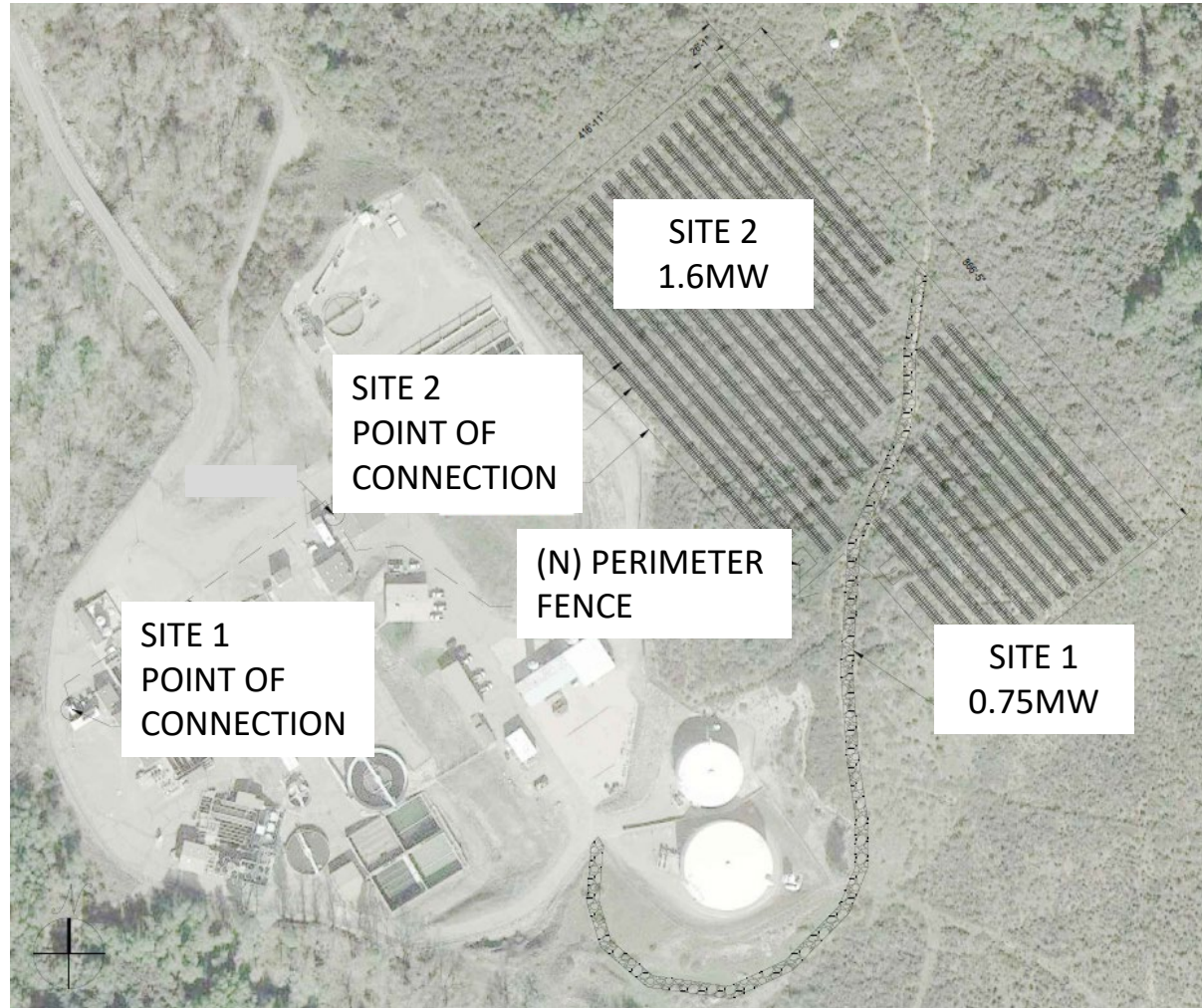


EDHWWTP Solar

- Existing 1MW Solar Field Net Energy Metering (NEM1) offsets Headworks and Blower facilities
 - Completed in 2006 w/ matching funds
 - Estimated 10-year useful life remaining
 - Inverters replaced in 2018 and 2022
 - 2022 cost savings of \$325,300
- New 1.6MW Solar Field (NEM2) offsets UV facilities
 - Completed June 2021
 - 2022 cost savings of \$354,500
- Total savings = \$679,800



DCWWTP Solar



DCWWTP Solar

- New 2.35MW Solar Fields (NEM2)
 - Construction complete July 2021
- Site 1
 - 0.75MW Field to offset UV Meter
 - 2022 cost savings of \$158,900
- Site 2
 - 1.6MW Field to offset Headworks and Blower Building
 - 2022 cost savings of \$297,600
- Total savings of \$456,500



Solar Summary

- First year savings from PPAs estimated at \$390,000
- 2022 PPA realized savings = \$811,000
- 1 MW District owned solar savings = \$325,300
- Renewable Energy Credit (REC) Sales = \$58,900
- Total Savings = \$1,195,200

Battery Storage Equipment

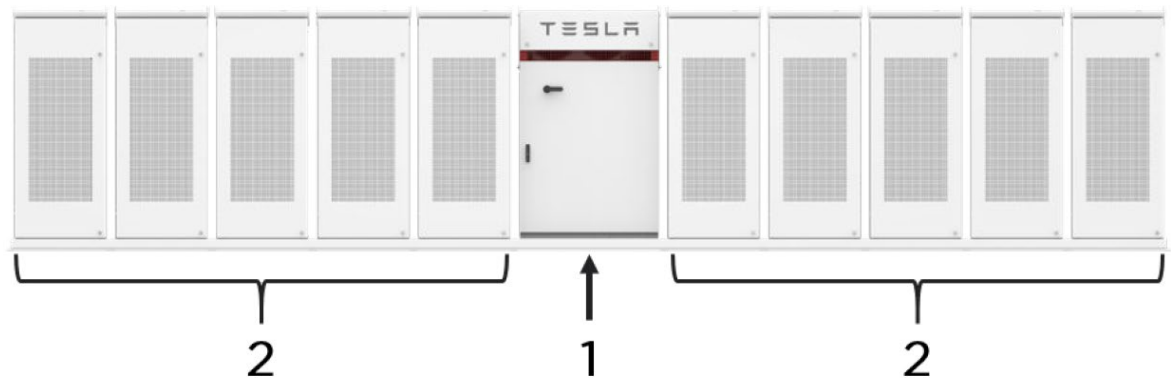
- California Public Utilities Commission's (CPUC) Self-Generation Incentive Program (SGIP) offers \$1,000/kW-hr for qualifying installations
- Batteries and basic installation - no cost to District
- Qualifications
 - At least two PSPS events in previous year
 - Facility located in high fire threat district
 - Provide service to disadvantaged or low income community
 - Provide essential services (water, wastewater)

Battery Storage Equipment

- Tesla Powerpacks placed at eight sites
 - Provide limited duration power backup during outages and PSPS events
 - Allow for peak shaving by charging during non-peak periods and discharging during peak hours

1 – Powerpack Inverter

2 – Powerpack Modules



Battery Storage Equipment Summary

Site	Full Backup Duration	SGIP Incentive	Estimated 20-year Energy Savings	Estimated Year-One Savings	Actual Year-One Savings	Savings Excess/Shortfall
Water Enterprise Sites						
Res 1 WTP	20 hr	\$696,000	\$399,438	\$17,291	\$24,000	\$6,709
Res A WTP	17 hr	\$1,256,000	\$945,058	\$40,910	\$35,100	(\$5,810)
North Canyon PS	43 hr	\$628,000	\$115,389	\$4,995	\$5,600**	\$605
Moose Hall PS	31 hr	\$1,722,000	\$187,164	\$8,102	\$37,700	\$29,598
Sportsmans PS	18 hr	\$2,249,389	\$1,370,323	\$59,319	\$53,100***	(6,219)
Wastewater Enterprise Sites						
El Dorado LS	40 hr	\$464,000	\$92,542	\$4,006	*	*
DCWWTP (Blower Room)	7 hr	\$2,384,000	\$2,563,878	\$110,986	*	*
General District Site						
Headquarters Building	20 hr	\$1,256,000	\$795,434	\$34,433	*	*
Totals		\$10,655,389	\$6,469,226	\$280,042	\$155,500*	\$24,883

*Billing data is not available for the El Dorado Lift Station, DCWWTP, and Headquarters Building during the current performance analysis.

North Canyon Pump Station had 7-months of data available in modeling period. *Sportsmans Pump Station had 8-months available in modeling period.

Additional Opportunities

Inflation Reduction Act of 2022

- Up to \$540,000 in additional incentives for DCWWTP, El Dorado Lift, and Headquarters BES installations
- 30% renewable energy credit available on alternative energy projects

NEM 2.0 - Grandfathering

- Evaluating additional solar at Headquarters Building

Additional Opportunities

Renewable Energy Self-Generation Bill Credit Transfer (RES-BCT)

- Evaluating up to a 5MW remote solar installation to offset multiple high use sites
- El Dorado Hills Water Treatment Plant, Folsom Lake Intake, and the Silva Valley Pump Station

Conclusion

- Electricity costs continue to be one of the largest expenses for the District.
- Proactive investments in alternative energy projects have provided a minimum of \$1,462,700 in cost savings to the District in 2022.
- Staff will continue to monitor and pursue additional fiscally prudent alternative energy and energy savings projects when available.

Questions / Comments?

EL DORADO IRRIGATION DISTRICT

SUBJECT: Status update on 2023 water supplies.

PREVIOUS BOARD ACTION

The Board periodically receives updates regarding the status of District water supplies and hydrologic, regulatory and legal constraints to exercise these rights and entitlements fully.

BOARD POLICIES (BP), ADMINISTRATIVE REGULATIONS (AR), AND BOARD AUTHORITY

BP 5010 Water Supply Management

BP 5030 Water Conservation

BP 5040 Drought Preparedness and Climate Variability

BP 5050 Watershed Management

SUMMARY OF ISSUE

Heavy winter and spring precipitation shifted the dry and restricted water supply picture of 2022 to a wet and abundant water supply picture in 2023. Jenkinson Lake continues to spill, and all EID Project No. 184 reservoirs will likely fill before the end of July. Given current District reservoir storage and snowpack conditions, the District is well-positioned to meet 2023 customer demands and provide a robust start to 2024 water supplies.

BACKGROUND/DISCUSSION

California Department of Water Resources (DWR) released the final May Bulletin 120, forecasting 164% of normal runoff for the American Basin below Folsom Lake, translating to a wet water year type under the Project No. 184 license. The latest National Oceanic and Atmospheric Administration (NOAA) Climate Prediction Center forecast indicates that El Niño conditions are present and are likely to strengthen into the Northern Hemisphere winter of 2023-2024 gradually. Despite lifting drought restrictions, lessened customer demand has been characteristic of other wet years due to late-season storms, mild temperatures, and residual soil moisture.

Drought Restrictions, Curtailments, and Reporting Orders

On March 24, 2023, Governor Newsom lifted statewide drought restrictions, ending the State's voluntary 15% water conservation target and requiring local water agencies to implement level 2 of their drought contingency plans. On April 3, 2023, the State Water Resources Control Board rescinded curtailment and reporting orders allowing for the full use of water rights and ending the enhanced monthly water right reporting that District staff submitted. The State is developing permanent water conservation standards.

Reservoir Management

Over 30 significant storms hit California from October through March, bringing record-setting rain, snow, and storm-related damage. These storms provided far more water storage in rainfall and snowpack than required to fill the EID reservoirs. For perspective, winter storms brought enough water to fill an empty Caples Lake two times, an empty Silver Lake five times, and an empty Echo Lake nine times. Staff efforts for most of the winter and spring focused on flood control operations.

The Project 184 reservoirs are actively filling and on track to fill in late June (Silver Lake and Echo Lake) and late July (Caples Lake and Lake Aloha). The snowpack reached its peak water content at over 200% of normal in early April, and seasonally cool temperatures have allowed for a slow, steady runoff season. Due to the cooler temperatures, runoff into the higher-elevation reservoirs will continue into late July and potentially August. To manage the anticipated high-volume runoff, staff delayed the filling of all alpine reservoirs beyond the typical timeframe and intentionally drew down Caples Lake to make room for the snowmelt.

The lower watershed reservoirs have fared equally well. Weber Reservoir spilled on December 30, 2022, and Jenkinson Lake on January 12, 2023; both facilities remain 100% full. Jenkinson Lake is conservatively forecasted to have substantial carryover storage of 35,000 acre-feet (85%) at the end of the water year on September 30, 2023, and 32,000 acre-feet (78%) on December 31, 2023.

Prevailing Weather Patterns

Mild weather, brief periods of warm temperatures, and overcast skies in the Sierra have characterized spring, and similar patterns are likely heading into the first days of summer. Precipitation at the Sly Park weather station has totaled 73.3 inches from October 1, 2022, through May 31, 2023, which is 155% of the historical average for this site. On May 8, 2023, the California Department of Water Resources published the final May Bulletin 120, which forecasted April through July unimpaired runoff for the American River below Folsom Lake at 164% of average. This forecast translates to a wet water year type under the Project No. 184 license, which will dictate minimum streamflows until the release of the February 1, 2024 Bulletin 120.

The NOAA Climate Prediction Center issued the latest long-term climatic forecast on June 8, 2023. The NOAA forecast indicates that El Niño conditions are present and are likely to gradually strengthen into the Northern Hemisphere winter of 2023-2024. El Niño conditions include above-average sea surface temperatures (SSTs) across the equatorial Pacific Ocean, and models have higher confidence that SSTs will continue to rise. El Niño conditions often coincide with increased fall and winter precipitation, but historically this narrative does not always play out. Irrespective of the potential for another wet winter, a full Jenkinson Lake assures adequate supplies to meet 2023 demands with greater than normal carryover storage going into 2024.

June Snow Survey Results

District staff typically perform five monthly snow survey measurements (January through May) each year as part of the California Cooperative Snow Survey program. Due to the magnitude of snow remaining in the Sierra, DWR requested that cooperators conduct a sixth June snow survey. Staff completed the final surveys of the year on May 31, 2023, and June 1, 2023, at Caples Lake, Upper Carson Pass, and Lower Carson Pass snow courses. Due to a lack of comparable historic June measurements, the best illustration of the snow volume measurement is to compare to the typical May snow water equivalent (SWE) – keeping in mind that staff conducted the June survey after half of the snow had already melted from the snow courses. Staff measured approximately 109% of historic May snow water equivalent during the June surveys, which supports staff's prediction of snowmelt continuing into August. The additional surveys provided DWR and EID with water supply forecasting data to help guide operational decisions this year and in future years with wet hydrology.

Folsom Reservoir Operations

Storage in Folsom Reservoir began increasing in early December. Since early January, the United States Bureau of Reclamation (Reclamation) initiated flood control releases to restore and maintain adequate flood control space in the reservoir. Still, the storage in Folsom has generally increased from 25% in December to over 90% in June. The reservoir is expected to rise slowly over the next several weeks as temperatures increase and then eventually begin the typical annual drawdown approximately one month later than usual.

Staff can rely on local supplies provided by Permit 21112 and pre-1914 ditch rights to meet water supply needs from Folsom Reservoir during 2023. However, given the storage and runoff conditions, contractual supplies from Reclamation are set at 100%, providing an additional 7,550 acre-feet of potential supply. Staff intends to use a combination of pre-1914 ditch rights and contractual Reclamation supplies to meet 2023 demand.

Recent Demand Trends

Despite lifting drought restrictions, lessened customer demand has continued, characteristic of other wet years due to late-season storms, mild temperatures, and residual soil moisture. The 2023 demand from January through May was 20% less than the January through May average demand in the previous three years (2020, 2021, 2022), recognizing the significantly increased demands experienced during spring 2021. Compared to recent wet years (2011, 2017, 2019), however, the trends align well with typical January through May customer demand. The shape of the customer demand curve this year is most similar to 2011, a wet year that also experienced cooler spring temperatures.

Drought Outreach

While EID’s service areas are no longer under drought conditions, EID staff remain committed to communicating typical water efficiency messaging during the warmer summer. Staff continues its outreach efforts to our community through various means, including the District’s bimonthly Waterfront newsletter and information in local newspapers and social media channels. The upcoming July/August Waterfront will highlight messages related to optimal lawn and other outside irrigation practices and notices about opportunities for customers to receive complimentary water surveys to help increase water efficiency. Staff will share these messages and regional water efficiency messaging across social media channels to maintain customer information about ways to reduce water usage and awareness of region-wide water supply issues.

BOARD OPTIONS


None – Information only.

RECOMMENDATION

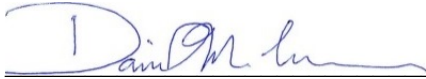
None – Information only.

ATTACHMENTS

None




Jordan Baxter
Hydrologist




Dan Corcoran
Operations Director




Jesse Saich
Communications and Media Relations Manager



Brian Mueller
Engineering Director



Brian Poulsen
General Counsel



Jim Abercrombie
General Manager

2023 WATER SUPPLY UPDATE



June 26, 2023



LOTS OF SNOW, LOTS OF RUNOFF

Any questions?

SUMMARY OF ISSUE

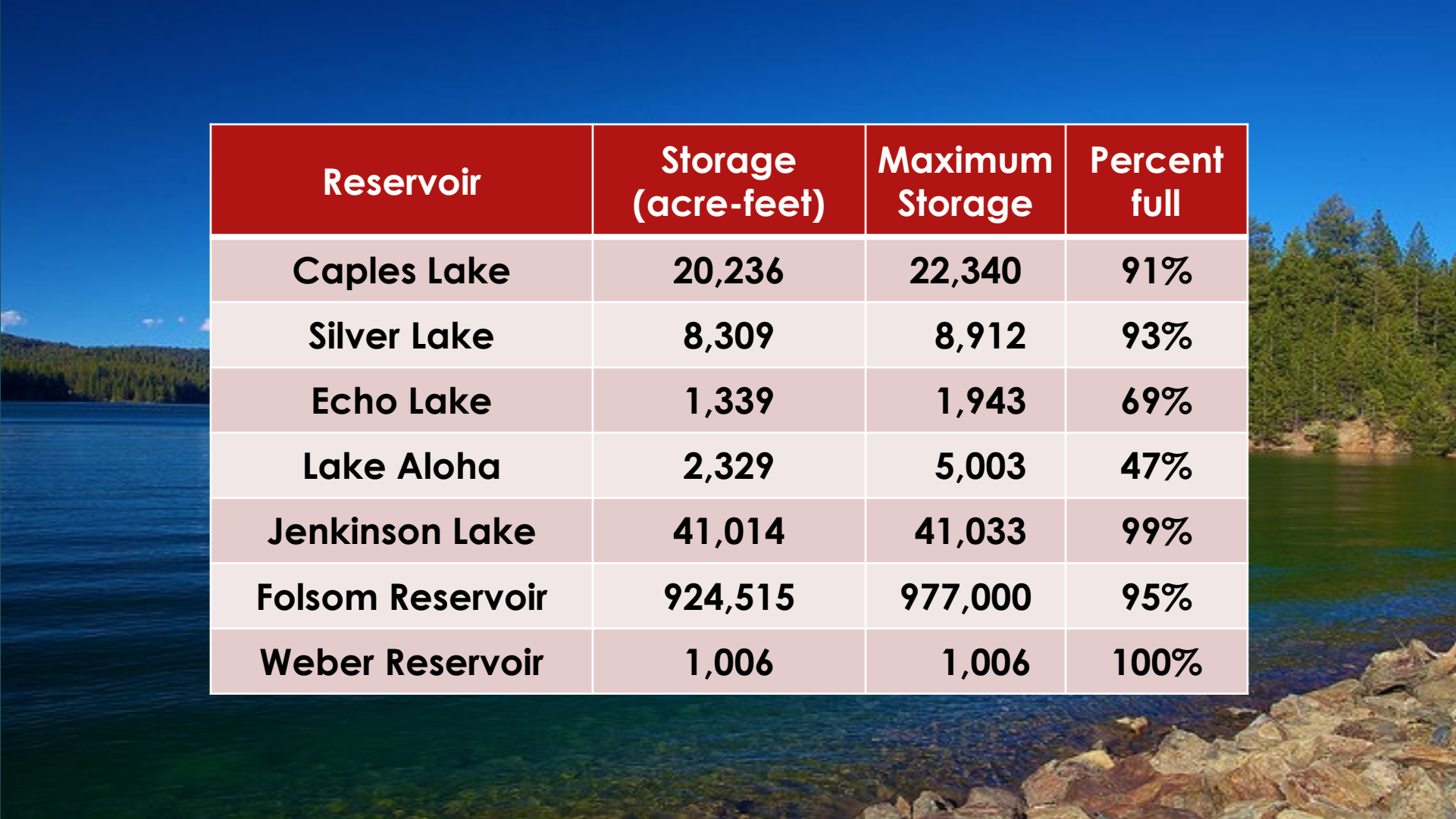
- ▶ **Statewide drought restrictions lifted and curtailment/reporting orders rescinded**
- ▶ **Water supply picture remains wet and abundant**
 - ▶ **Jenkinson Lake spilling and all Project No. 184 reservoirs scheduled to fill by end of July**
- ▶ **El Niño conditions are present and expected to strengthen**
- ▶ **Recent demand trends align with previous wet years**

DROUGHT REGULATIONS

- ▶ **March 24, 2023 - Governor Newsom lifted statewide drought restrictions**
 - ▶ Ends State's voluntary 15% water conservation target
 - ▶ Removes requirement for local water agencies implementation of level 2 drought contingency plans
- ▶ **April 3, 2023 - State Water Resources Control Board rescinded curtailment and reporting orders**
 - ▶ Full use of EID water rights and ends monthly enhanced reporting

RESERVOIR STORAGE (JUNE 20)

5



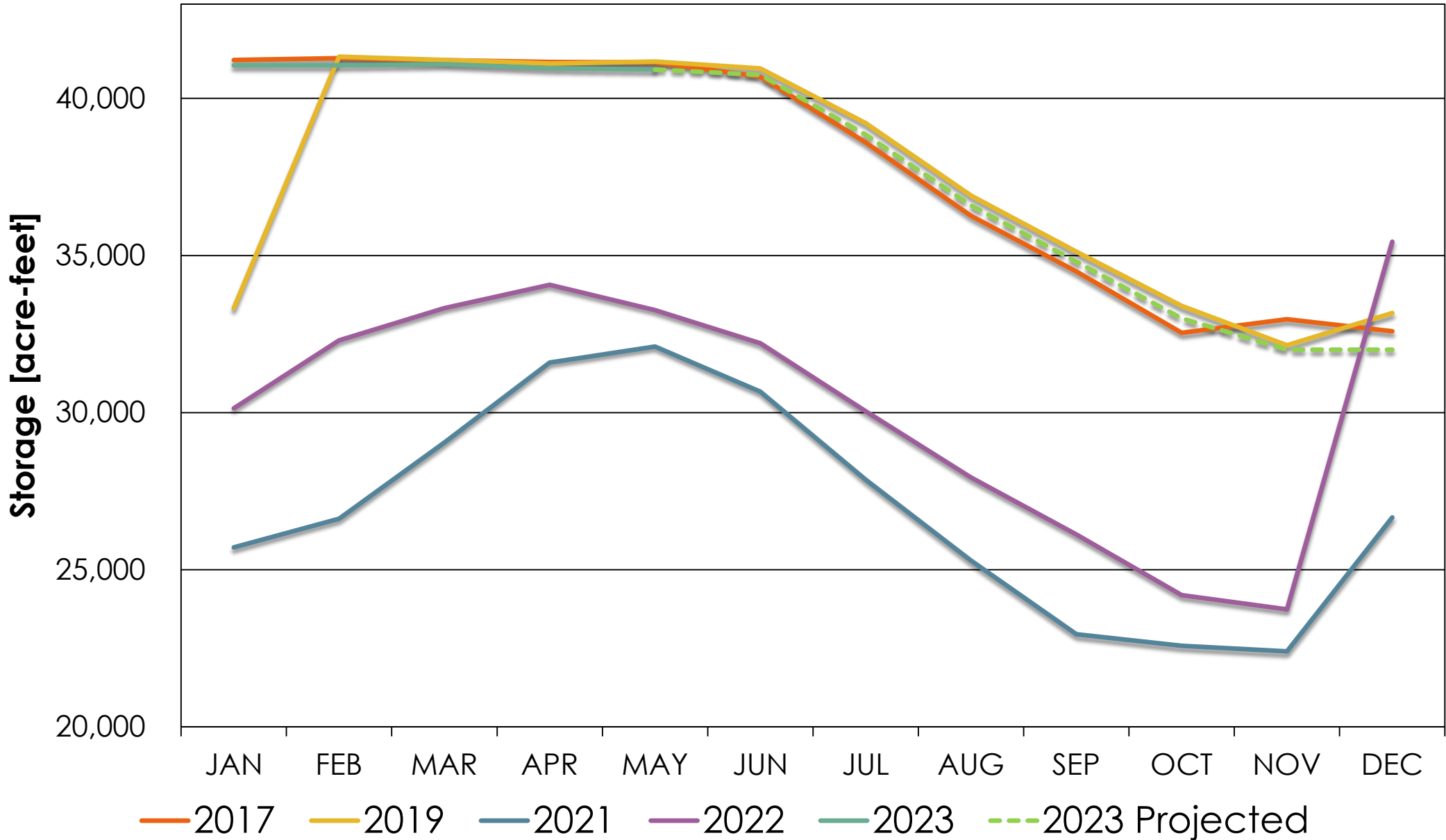
Reservoir	Storage (acre-feet)	Maximum Storage	Percent full
Caples Lake	20,236	22,340	91%
Silver Lake	8,309	8,912	93%
Echo Lake	1,339	1,943	69%
Lake Aloha	2,329	5,003	47%
Jenkinson Lake	41,014	41,033	99%
Folsom Reservoir	924,515	977,000	95%
Weber Reservoir	1,006	1,006	100%

RESERVOIR MANAGEMENT

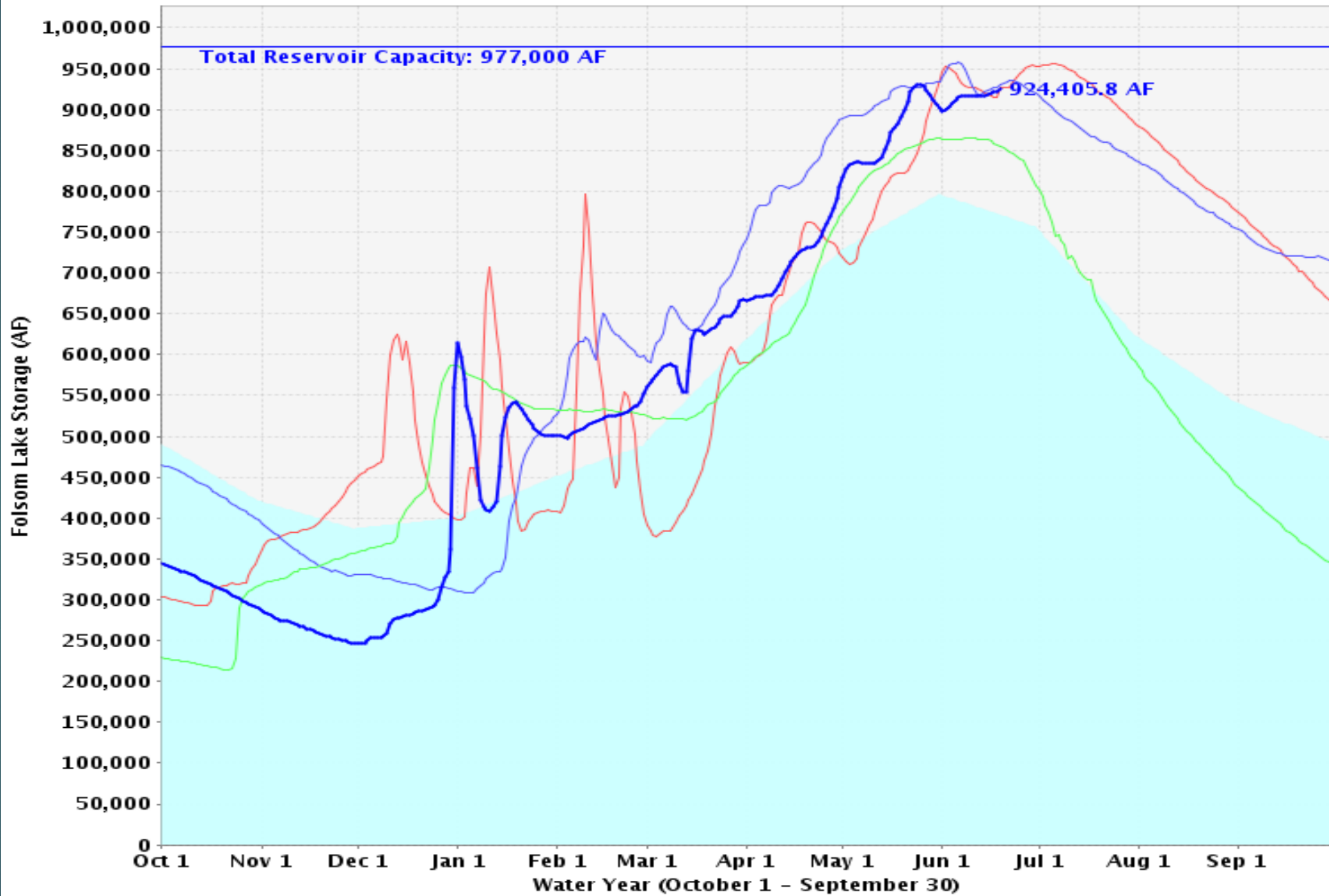
6

- ▶ Project 184 reservoirs are currently filling
- ▶ Echo Lake, Silver Lake, Caples Lake, and Lake Aloha forecasted 100% full before the end of July
- ▶ Jenkinson Lake carryover storage forecasted to be 32,000 acre-feet (78%) on December 31, 2023

Wet Year Jenkinson Lake Storage: 2011, 2017, 2019, and 2023



Folsom Lake Storage Levels



Historical Average — Total Reservoir Capacity — 2016-2017 — 2018-2019 — 2021-2022 — 2022-2023(current)

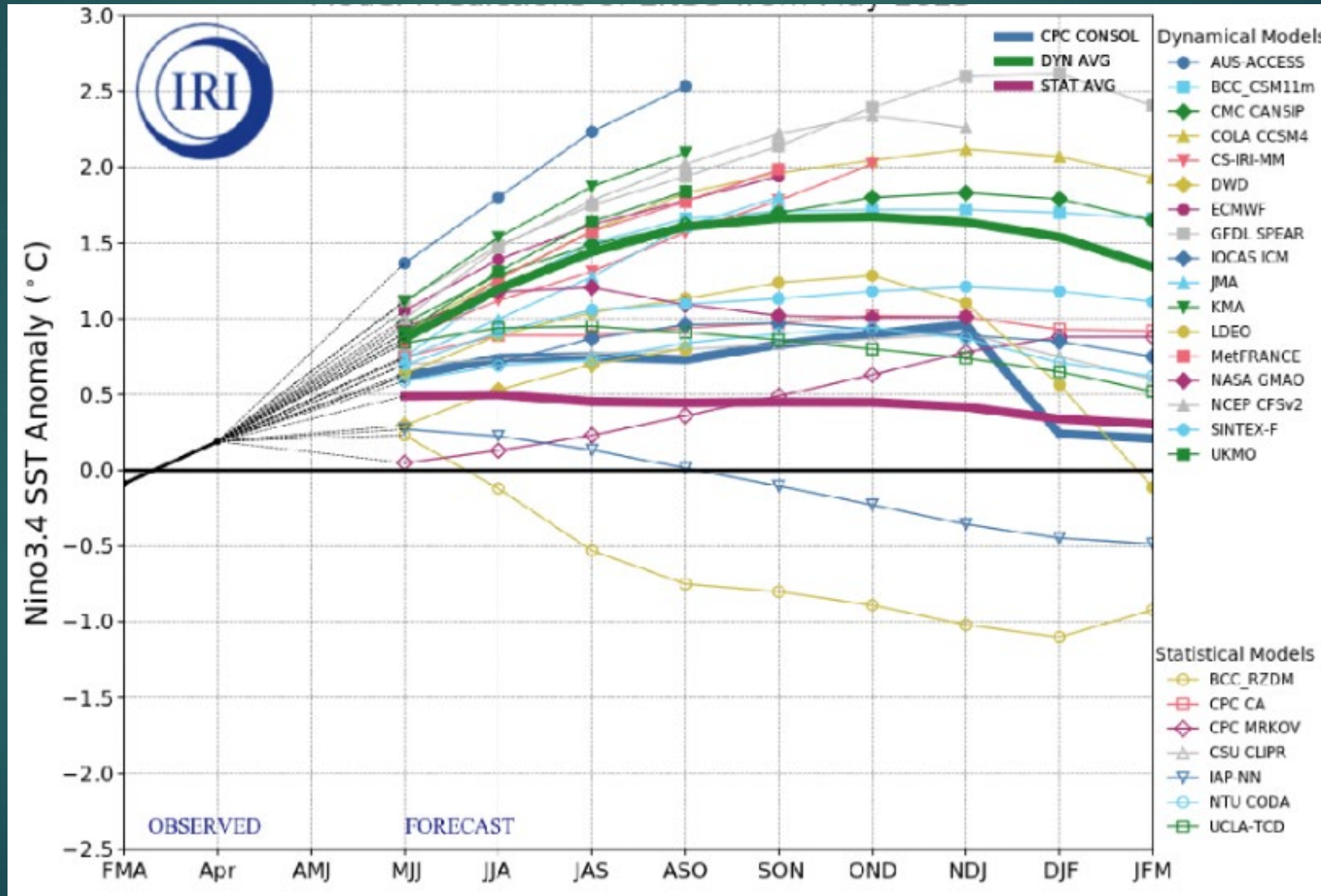
PREVAILING WEATHER PATTERNS

9

- ▶ Overall mild spring
- ▶ Sly Park Rain Gage: 155% of historic average
- ▶ May Snow Surveys put snowpack at 212% of normal
- ▶ National Oceanic and Atmospheric Administration
Climate Prediction Center forecast (June 8, 2023)
 - ▶ El Niño conditions present and are expected to gradually strengthen

Model Predictions of El Niño / Southern Oscillation from May 2023

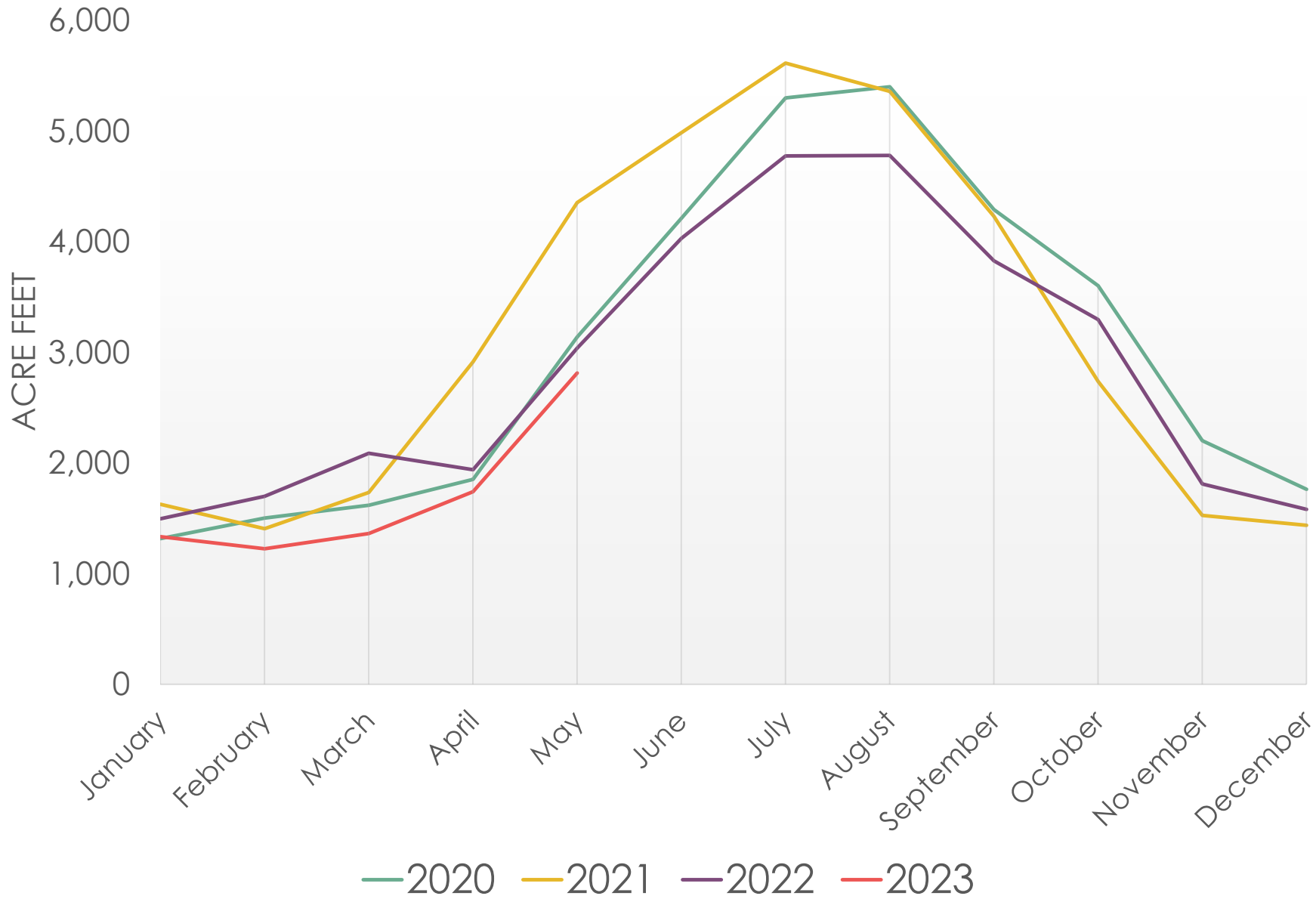
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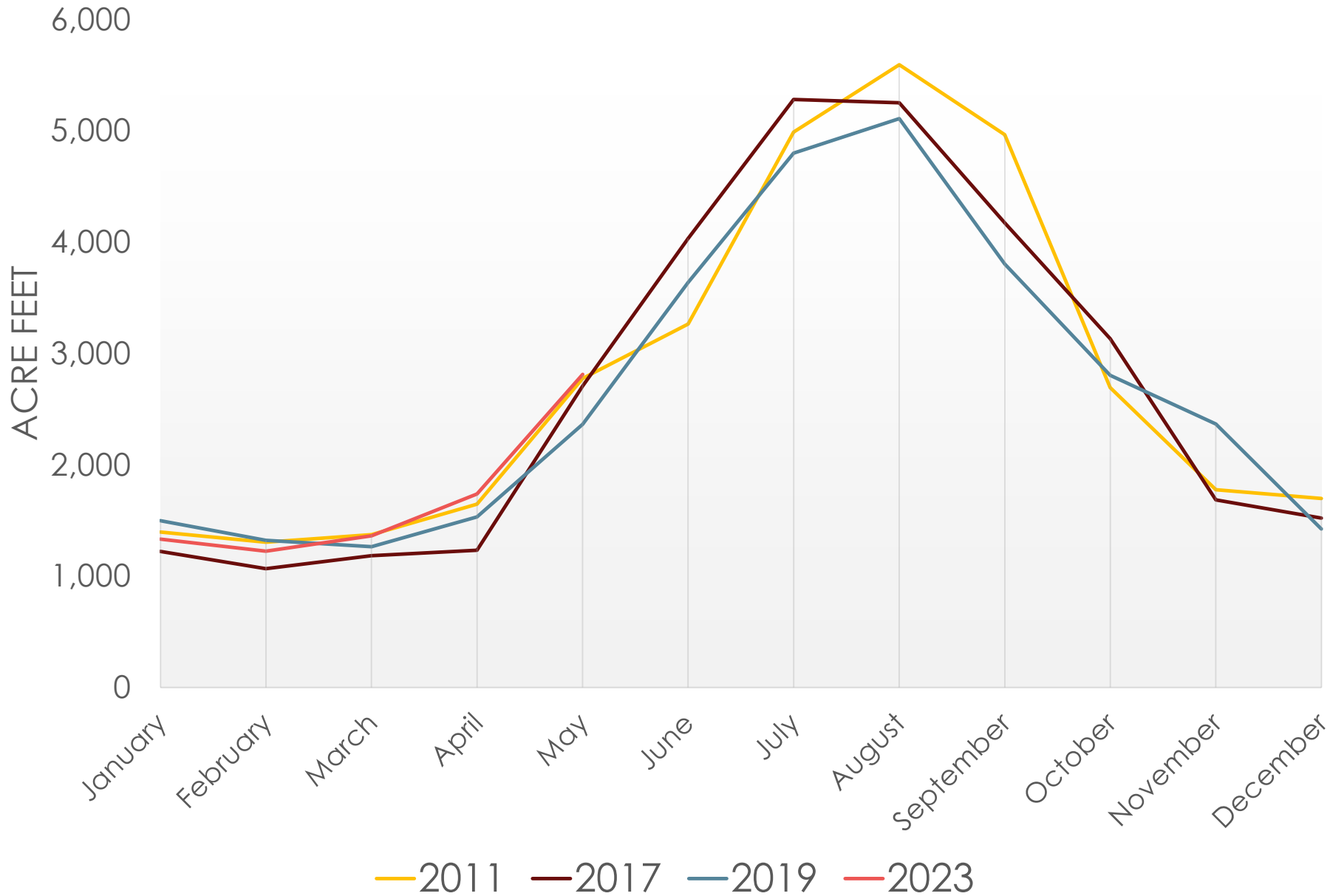
RECENT DEMAND TRENDS

- ▶ Customer demand characteristic of wet years
- ▶ 2023 January – May demand 20% less than the last 3 years (2020 – 2022) demand
- ▶ Demand curve very similar to 2011

Monthly Demand 2020 - 2023



Wet Year Monthly Demand: All Sources



OUTREACH

14

- ▶ Staff remain committed to communicating water use efficiency messaging
- ▶ July/August 2023 Waterfront – optimal lawn and outside irrigation practices
- ▶ Regional water efficiency messaging shared across channels
 - ▶ Website, Facebook, Nextdoor

QUESTIONS?

15



EL DORADO IRRIGATION DISTRICT

SUBJECT: Consider ratifying EID General Warrant Registers for the periods ending June 6 and June 13, 2023, and Board and Employee Expense Reimbursements for these periods.

PREVIOUS BOARD ACTION

The Board ratifies the District’s General Warrant Registers at each regular meeting of the Board.

BOARD POLICIES (BP), ADMINISTRATIVE REGULATIONS (AR) AND BOARD AUTHORITY

Section 24600 of the Water Code provides that no claim shall be paid unless allowed by the Board.

SUMMARY OF ISSUE

District staff notifies the Board of proposed payments via email and requests ratification of the warrant registers at the subsequent regular meeting of the Board. Copies of the Warrant Registers are sent to the Board on the Friday preceding the Warrant Register’s date. If no comment or request to withhold payment is received from any Director prior to the following Tuesday morning, the warrants are mailed out and formal ratification of said warrants is agendized on the next regular Board agenda.

BACKGROUND/DISCUSSION

Current Warrant Register Information

Warrants are prepared by Accounts Payable; reviewed and approved by the Finance Manager, the Director of Finance and the General Manager or their designee.

Register Date	Check Numbers	Amount
June 6, 2023	704390 - 704466	\$ 619,737.45
June 13, 2023	704467 - 704626	\$1,552,608.37

Current Employee Expense Reimbursements

Employee Expenses and Reimbursements have been reviewed and approved by the Finance Manager and General Manager prior to the warrants being released. These expenses and reimbursements are for activities performed in the interest of the District in accordance with Board Policy 12065 and Resolution No. 2007-059.

Additional information regarding Board and employee expense reimbursements is available for copying or public inspection at District headquarters in compliance with Government Code Section 53065.5.

BOARD OPTIONS

Option 1: Ratify EID General Warrant Registers and Board and Employee Expense Reimbursements as submitted.

Option 2: Take other action as directed by the Board.

Option 3: Take no action.

RECOMMENDATION

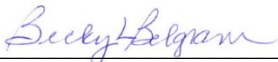
Option 1

ATTACHMENTS

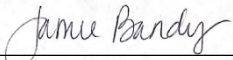
Attachment A: Executive Summaries

Attachment B: Board Expense Reimbursements


Attachment C: Employee Expense Reimbursements totaling \$100 or more



Becky Belgram
Acting Finance Manager



Jamie Bandy
Finance Director



Jennifer Sullivan
Clerk to the Board



Jim Abercrombie
General Manager

Attachment A

June 1, 2023

To: Jim Abercrombie, General Manager
From: Becky Belgram, Acting Finance Manager
Via: Jamie Bandy, Director of Finance
RE: Warrant Register Executive Summary Approval

Attached is the summary for June 6, 2023 for your review and approval.

Executive Summary for June 6, 2023 -- \$619,737.45:

This summary highlights significant disbursements made by major business activity:

Development Services (Fund 105) – none to report

General District Operations (Fund 110)

- \$3,650—Anvil Builders, Inc. for a credit balance refund on customer account
- \$4,846—AT&T for wide area network service
- \$3,464—Doug Veerkamp General Engineering for a credit balance refund on customer account
- \$8,133—Liebert Cassidy Whitmore for legal services
- \$5,142—TK Elevator Corporation for elevator maintenance services
- \$3,245—Walker’s Office Supplies, Inc. for office furniture

Engineering Operations (Fund 210)

- \$32,084—GEI Consultants, Inc. for seepage analysis services

Water Operations (Fund 310)

- \$4,334—Grainger for ear plugs, cable ties, couplings, adapters, a self-retracting lifeline and other miscellaneous operating supplies (combination of two checks issued to this vendor)
- \$42,197—PG&E for electric service
- \$33,232—U.S. Bureau of Reclamation for Sly Park restoration fees and Folsom Warren Act contract payment

Wastewater Operations (Fund 410)

- \$4,094—Dawson’s Floor Fashions for new flooring at DCWWTP
- \$25,553—El Dorado County Air Quality Management District for permit fees
- \$3,291—Grainger for hoses, copper tubing, bushings, strut channels and other miscellaneous operating supplies (combination of two checks issued to this vendor)
- \$9,823—Stratus Engineering Associates, LLC for groundwater monitoring services at CHWWTP

Recycled Water Operations (Fund 510) – none to report

Hydroelectric Operations (Fund 610) – none to report

Recreation Operations (Fund 710) – none to report

Capital Improvement Projects (Construction Funds 140, 340, 440, 540, 640 and 740)

- \$16,255—Domenichelli and Associates, Inc. for engineering and design services:
 - >Project #21081.01 – Motherlode Force Main Replacement Program (\$7,915)
 - >Project #17023.01 – Rancho Ponderosa Lift Station Relocation (\$8,340)
- \$4,210—El Dorado County Transportation Department for encroachment inspection services – Water Service Line Replacement (Project #23002.01)
- \$5,447—Joe Vicini, Inc. for asphalt patch paving services – Water Service Line Replacement (Project #23002.01)
- \$44,737—Quantum Resolve, Inc. for consulting services – Hansen 7 Software Replacement (Project #18055.01)
- \$15,780—Ski Air, Incorporated for HVAC ducting services – EDHWTP 820 960 Air Conditioning Upgrade (Project #21031.01)
- \$306,342—Water Works Engineers, LLC for engineering and design services:
 - >Project #20179.01 – Sly Park Intertie Improvements (\$301,760)
 - >Project #21018.01 – 2022 Collections Pipeline Replacement (\$4,582)

Capital Improvement Projects (Construction Funds 140, 340, 440, 540, 640 and 740)

- \$16,255—Domenichelli and Associates, Inc. for engineering and design services:
 - >Project #21081.01 – Motherlode Force Main Replacement Program (\$7,915)
 - >Project #17023.01 – Rancho Ponderosa Lift Station Relocation (\$8,340)
- \$4,210—El Dorado County Transportation Department for encroachment inspection services – Water Service Line Replacement (Project #23002.01)
- \$5,447—Joe Vicini, Inc. for asphalt patch paving services – Water Service Line Replacement (Project #23002.01)
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- \$15,780—Ski Air, Incorporated for HVAC ducting services – EDHWTP 820 960 Air Conditioning Upgrade (Project #21031.01)
- \$306,342—Water Works Engineers, LLC for engineering and design services:
 - >Project #20179.01 – Sly Park Intertie Improvements (\$301,760)
 - >Project #21018.01 – 2022 Collections Pipeline Replacement (\$4,582)

June 9, 2023

To: Jim Abercrombie, General Manager
From: Becky Belgram, Acting Finance Manager
Via: Jamie Bandy, Director of Finance
RE: Warrant Register Executive Summary Approval

Attached is the summary for June 13, 2023 for your review and approval.

Executive Summary for June 13, 2023 -- \$1,552,608.37:

This summary highlights significant disbursements made by major business activity:

Development Services (Fund 105)

- \$5,888—Water Works Engineers, LLC for general engineering services related to Cicornia Village Sewer Evaluation
- \$20,100—Webster Environmental Associates, Inc. for DCWWTP odor control study
- \$3,448—Zanjero for surface water hydrology assessment

General District Operations (Fund 110)

- \$4,998—ABM Janitorial Services for June janitorial services at Headquarters
- \$49,515—Aqua Metric Sales Company for warehouse inventory
- \$71,473—CDW Government for 3 year remote license renewal
- \$244,407—DG Granade, Inc. for release of retention held on project 17034.01 Wastewater Collection Facility Relocation
- \$3,736—Dry Creek Landscapes for a credit balance refund on customer account
- \$11,231—Granicus for annual website maintenance hosting and license
- \$4,135—Liebert Cassidy Whitmore for Employment Relations Consortium Membership
- \$3,789—MGE Underground, Inc. for a credit balance refund on customer account
- \$7,905—Regroup for annual mass notification service subscription
- \$22,837—Hunt & Sons, Inc. for card lock fuel and fuel deliveries at various locations
- \$11,708—Pace Supply Corporation for warehouse inventory

Engineering Operations (Fund 210)

- \$6,042—CLS Labs for regulatory lab testing
- \$25,000—USDI Bureau of Land Management for Pine Hill Preserve Fiscal Year 2022

Water Operations (Fund 310)

- \$3,694 —All Electric Motors, Inc. for backwash pump repair
- \$5,287—Joe Vicini, Inc. for asphalt patch paving services
- \$3,164—Murray Sheds, Inc. for storage shed for EDHRWPS
- \$3,025—Technical Systems, Inc. for SCADA programming and additional services
- \$5,315—Youngdahl Consulting Group, Inc. for miscellaneous compaction testing
- \$26,940—Aqua-Tech Company for Reservoir 1 and 11 cover cleaning
- \$8,552—Pace Supply Corporation for fittings, a CAL VAL repair Kit and PVC
- \$16,946—Univar Solutions USA, Inc. for sodium hydroxide at Reservoir A

Wastewater Operations (Fund 410)

- \$5,750—Cousin John’s Building Maintenance for janitorial services at various locations
- \$8,775—Edward R Bacon, Inc. for a submersible sewage pump
- \$8,634—Polydyne, Inc. for polymer for EDHWWTP

- \$6,830— Univar Solutions USA, Inc. for sodium hydroxide at DCWWTP
- \$3,333—Hastie’s Capitol Sand and Gravel Co. for rock deliveries

Recycled Water Operations (Fund 510)

- \$10,570—Univar Solutions USA, Inc. for sodium hydroxide at EDHWWTP

Hydroelectric Operations (Fund 610)

- \$3,594—ACE Commercial Cleaning Services for 3 months of janitorial services at Camp 5
- \$3,400—Carsten Tree Service for tree removal service
- \$8,440—Technical Systems, Inc. for reporting support and dream reports.

Recreation Operations (Fund 710)

- \$26,615—Talmo & Associates, Inc. for temporary labor services
- \$5,489—El Dorado Disposal Service, Inc. for trash disposal

Capital Improvement Projects (Construction Funds 140, 340, 440, 540, 640 and 740)

- \$82,934—CDW Government – VMWARE cloud license and 2 rack servers (Project #23019.01)
- \$10,571—Hastie’s Capitol Sand and Gravel Co. – rock deliveries (Project #23002.01)
- \$559,003—Owen Equipment Sales for a Vactor 2100 (Project #22003.01)
- \$263,539—DG Granade, Inc. for construction services (\$19,123) – Wastewater Collection Facility Relocation (Project #17034.01).
- \$22,124—GHD, Inc. for engineering design and construction inspection services:
 - >Project #17025.01 – Flume 45 Abutment Replacement (\$289)
 - >Project #21013.01 – Flumes 45A, 46A, 47A, and 47B Replacement (\$747)
 - >Project #22014.01 – Flume 45 Section 3 Replacement (\$20,836)
 - >Project #21041.01 – Flume 30 Rehab Project (\$252)
- \$89,644—Joe Vicini, Inc. for asphalt patch paving services – Collections at Wentworth Rd and Turner Cir Intake Replacement (Project #23002.01)

Attachment B

Board Expense Reimbursements
Warrant Registers dated 06/06/23 - 06/13/23

DESCRIPTION	Lori Anzini	Alan Day	Pat Dwyer	Brian Veerkamp	George Osborne	Total
Personal Vehicle Expense						\$0.00
Hotel						\$0.00
Meals or Incidentals Allowance						\$0.00
Airfare, Car Rental, Misc Travel						\$0.00
Fax, Cell or Internet Service				\$120.00		\$120.00
Meeting or Conference Registration						\$0.00
Meals with Others						\$0.00
Membership Fees/Dues						\$0.00
Office Supplies						\$0.00
Reimburse prepaid expenses						\$0.00
Miscellaneous Reimbursements						\$0.00
	\$0.00	\$0.00	\$0.00	\$120.00	\$0.00	\$120.00

