



AGENDA MATERIALS
TRI-DAM PROJECT



TRI-DAM POWER
AUTHORITY



BOARD MEETING

May 16, 2024

**REGULAR BOARD MEETING
AGENDA
TRI-DAM PROJECT
of THE OAKDALE IRRIGATION DISTRICT and
THE SOUTH SAN JOAQUIN IRRIGATION DISTRICT
MAY 16, 2024
9:00 A.M.**

**Oakdale Irrigation District
1205 East F Street
Oakdale, CA 95361**

A COMPLETE COPY OF THE AGENDA PACKET WILL BE AVAILABLE ON THE TRI-DAM PROJECT WEB SITE (www.tridamproject.com) ON MONDAY, MAY 13, 2024 AT 9:00 A.M. ALL WRITINGS THAT ARE PUBLIC RECORDS AND RELATE TO AN AGENDA ITEM WHICH ARE DISTRIBUTED TO A MAJORITY OF THE BOARD OF DIRECTORS LESS THAN 72 HOURS PRIOR TO THE MEETING NOTICED ABOVE WILL BE MADE AVAILABLE ON THE TRI-DAM PROJECT WEB SITE (www.tridamproject.com).

Members of the public who wish to attend and participate in the meeting remotely, as opposed to in-person, can do so via internet at <https://us02web.zoom.us/j/3585721867> or by telephone, by calling 1 (669) 900-9128, Access Code: 358-572-1867. All speakers commenting on Agenda Items are limited to five (5) minutes.

Members of the public may also submit public comments in advance by e-mailing gmodrell@tridamproject.com by 3:30 p.m., Wednesday, May 15, 2024.

In compliance with the Americans with Disabilities Act, a person requiring an accommodation, auxiliary aid, or service to participate in this meeting should contact the Executive Assistant at (209) 965-3996 ext. 113, as far in advance as possible but no later than 24 hours before the scheduled event. Best efforts will be made to fulfill the request.

CALL TO ORDER

PLEDGE OF ALLEGIANCE

ROLL CALL: John Holbrook, Dave Kamper, David Roos, Glenn Spyksma, Mike Weststeyn
Brad DeBoer, Herman Doornenbal, Tom Orvis, Linda Santos, Ed Tobias

INTRODUCTION OF COMPLIANCE COORDINATOR

PUBLIC COMMENT

CONSENT CALENDAR

ITEMS 1 - 3

1. Approve the regular board meeting minutes of April 18, 2024.
 2. Approve the April 2024 statement of obligations.
 3. Approve 2024 Annual Tulloch Headwater Benefit Assessment.
-

ACTION CALENDAR

ITEMS 4 - 8

4. Canyon Tunnel Update.
 5. Consider approval of modifications to the Tulloch skimmer gate drive assembly.
 6. Consider approval of two Beardsley Powerhouse station air compressors and one accumulator tank.
 7. Consider designating the date of one Tri-Dam Project regular meeting in Strawberry.
 8. Consider ratification of Memorandum of Understanding between Tri-Dam Project and IBEW Local 1245. *This item will be taken after closed session.*
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COMMUNICATIONS

ITEMS 9 - 12

9. Staff reports as follows:
 - a. General Manager Report
 - b. Operations Report
 - c. Maintenance Report
 - d. Compliance Report
 10. Generation Report
 11. Fisheries studies on the Lower Stanislaus River
 12. Directors' Comments
-

CLOSED SESSION

ITEM 13

13. a. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION
Government Code § 54956.9(d)(1)
 1. *Lee Tyler et al. v. Oakdale Irrigation; et al.*
Calaveras Superior Court Case No. 17CV42319
 2. *Vera Whittenburg v. Tri-Dam Project, Oakdale Irrigation District, South San Joaquin Irrigation District*
County of San Joaquin Superior Court
Case No. STK-CV-UWT-2023-0013574
 3. *San Joaquin Tributaries Authority, et al v. California State Water Resources Control Board*
County of Sacramento Superior Court
Case No. JCCP 5013
- b. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION

Significant Exposure to Litigation
Government Code §54956.9(d)(2)
Two (2) cases

- c. CONFERENCE WITH REAL PROPERTY NEGOTIATOR
Government Code §54656.8
Property: Canyon Tunnel
Agency Negotiator: SSJID General Manager
Negotiating Parties: Mangante, Rancheria Del Rio Estanislau, LLC
Under Negotiation: Price and Terms of Payment of Sale

- d. CONFERENCE WITH LABOR NEGOTIATOR
Pursuant to Section § 54957.6
Agency Negotiator: General Manager
Employee Organization: IBEW 1245

ADJOURNMENT

ITEM 14

- 14. Adjourn to the next regularly scheduled meeting

BOARD AGENDA REPORT

Date: 5/16/2024

Staff: Genna Modrell

SUBJECT: Tri-Dam Project April 2024 Minutes

RECOMMENDED ACTION: Approve the regular board meeting minutes of April 18, 2024.

BACKGROUND AND/OR HISTORY:

Draft minutes attached.

FISCAL IMPACT: None

ATTACHMENTS: Draft minutes attached.

Board Motion:

Motion by: _____ **Second by:** _____

VOTE:

OID: DeBoer (Yes/No) Doornenbal (Yes/No) Orvis (Yes/No) Santos (Yes/No) Tobias (Yes/No)

SSJID: Holbrook (Yes/No) Kamper (Yes/No) Roos (Yes/No) Spyksma (Yes/No) Weststeyn (Yes/No)

**TRI-DAM PROJECT
MINUTES OF THE JOINT BOARD
OF DIRECTORS REGULAR MEETING**

April 18, 2024
Manteca, California

The Joint Boards of Directors of the Oakdale Irrigation District and the South San Joaquin Irrigation District met in joint session at the office of South San Joaquin Irrigation District in Manteca, California, on the above date for the purpose of conducting business of the Tri-Dam Project, pursuant to the resolution adopted by each of the respective Districts on July 29, 1955.

President Weststeyn called the meeting to order at 9:00 a.m.

OID DIRECTORS

SSJID DIRECTORS

DIRECTORS PRESENT:

ED TOBIAS
TOM ORVIS
HERMAN DOORNENBAL
LINDA SANTOS
BRAD DEBOER

DAVID ROOS
DAVE KAMPER
GLENN SPYKSMA
MIKE WESTSTEYN
JOHN HOLBROOK

Also Present:

Summer Nicotero, General Manager, Tri-Dam Project; Genna Modrell, Executive Asst., Tri-Dam Project; Tracey McKnight, Compliance Coordinator, Tri-Dam Project; Scot Moody, General Manager, OID; Peter Rietkerk, General Manager, SSJID; Mia Brown, Counsel, SSJID; Tim O'Laughlin, Counsel; Tim Wasiewski, Paris Kincaid Wasiewski, Counsel; Matt Weber, Downey Brand, Counsel

Summer Nicotero introduced, Tracey McKnight, the new Compliance Coordinator and provided brief background.

PUBLIC COMMENT

None.

CONSENT CALENDAR

- ITEM #1 Approve the regular board meeting minutes of March 21, 2024.**
- ITEM #2 Approve the March statement of obligations.**
- ITEM #3 Approve 2024 Annual Dam Fees.**

Director Orvis moved to approve items one, two, and three as presented. Director Holbrook seconded the motion.

The motion passed by the following roll call vote:

AYES: DeBoer, Doornenbal, Orvis, Santos, Tobias, Holbrook, Kamper, Roos, Spyksma, Weststeyn
NOES: None
ABSTAINING: None
ABSENT: None

ACTION CALENDAR

ITEM #4 Consider approval of PG&E Islanding Agreement. *To be hand carried.*

Summer advised she had received the draft agreement yesterday evening and had identified some items that still needed work. She requested the Board authorize the advisory committee approve execution of the final agreement.

Director Orvis moved to authorize the advisory committee to execute the new PG&E islanding agreement. Director Kamper seconded the motion.

The motion passed by the following roll call vote:

AYES: DeBoer, Doornenbal, Orvis, Santos, Tobias, Holbrook, Kamper, Roos, Spyksma, Weststeyn

NOES: None

ABSTAINING: None

ABSENT: None

ITEM #5 Consider approval of Silicon Valley Power Islanding Agreement. *To be hand carried.*

Summer advised she has the SVP draft agreement ready for signature and is waiting on the PG&E agreement. She requested the Board authorize the advisory committee approve execution of the final agreement.

Director Kamper moved to authorize the advisory committee to execute the new SVP islanding agreement. Director Doornenbal seconded the motion.

The motion passed by the following roll call vote:

AYES: DeBoer, Doornenbal, Orvis, Santos, Tobias, Holbrook, Kamper, Roos, Spyksma, Weststeyn

NOES: None

ABSTAINING: None

ABSENT: None

ITEM #6 Consider approval of modifications to the Tulloch skimmer gate drive assembly.

Summer Nicotero provided an explanation for the modification of the skimmer gate drive assembly and responded to Director questions. After a comprehensive discussion the Board decided to table this item and instructed staff to perform further testing.

ITEM #7 Consider approval of the purchase of a brush holder and dust collector assembly for Donnells Powerhouse, and authorize a capital budget adjustment in the amount of \$5,000 for the same.

Summer Nicotero provided an explanation of the functionality and the safety aspect of the brush holder and dust collector assembly and responded to Director questions.

Director Santos moved to approve the purchase of a brush holder and dust collector assembly and authorize a capital budget adjustment in the amount of \$5,000. Director Roos seconded the motion.

The motion passed by the following roll call vote:

AYES: DeBoer, Orvis, Santos, Tobias, Holbrook, Kamper, Roos, Spyksma, Weststeyn

NOES: Doornenbal

ABSTAINING: None

ABSENT: None

ITEM #8 Consider approval of Sonora Office Design.

Summer Nicotero provided an update regarding the design of the wall separating out approximately 1700 square feet of space, two companies are working on designing the furniture layout and the architect is revising the floor plan.

COMMUNICATIONS

ITEM #9 Staff Reports:

- A. General Manager, Summer Nicotero
 - Summer provided an update on the stolen/recovered boom truck and attempted boat motor theft.
- B. Operations Report, Brett Gordon
 - No discussion.
- C. Maintenance Report, Daniel Hogue
 - No discussion.
- D. Compliance Report, Justin Calbert
 - No discussion.

ITEM #10 Generation Report

No discussion.

ITEM #11 Fisheries Studies on the Lower Stanislaus River

No discussion.

ITEM #12 Directors Comments

Director Santos was happy with the last storm.
Director Spyksma wanted to remind staff to work safely especially with the weather changing.
Director Orvis concurred with Director Spyksma's comment and welcomed Tracey McKnight.
Director DeBoer is thankful that this Board may have differences of opinion, but we aren't trying shut each other down.
Director Weststeyn reiterated Director DeBoer's comment, welcomed Tracey McKnight, appreciates the hard work from staff, and hopes for a nice even runoff.

President Weststeyn recessed to the Tri-Dam Power Authority Board of Commissioners meeting at 10:00 a.m.

The Tri-Dam Project meeting resumed at 10:02 a.m. after the Tri-Dam Power Authority meeting adjourned.

President Weststeyn announced before closed session that the following items would be discussed. The Board took a brief recess at 10:02 a.m. and convened to Closed Session at 10:21 a.m.

ITEM #13 Closed Session

- 13. a. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION
Government Code § 54956.9(d)(1)
 - 1. *Lee Tyler et al. v. Oakdale Irrigation; et al.*
Calaveras Superior Court Case No. 17CV42319
 - 2. *Vera Whittenburg v. Tri-Dam Project, Oakdale Irrigation District, South*

San Joaquin Irrigation District
County of San Joaquin Superior Court
Case No. STK-CV-UWT-2023-0013574

3. *San Joaquin Tributaries Authority, et al v. California State Water Resources Control Board*
County of Sacramento Superior Court
Case No. JCCP 5013

- b. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION
Significant Exposure to Litigation
Government Code §54956.9(d)(2)
Two (2) cases
- c. CONFERENCE WITH REAL PROPERTY NEGOTIATOR
Government Code §54656.8
Property: Canyon Tunnel
Agency Negotiator: SSJID General Manager
Negotiating Parties: Mangante, Rancheria Del Rio Estanislau, LLC
Under Negotiation: Price and Terms of Payment of Sale
- d. CONFERENCE WITH LABOR NEGOTIATOR
Pursuant to Section § 54957.6
Agency Negotiator: General Manager
Employee Organization: IBEW 1245

At the hour of 11:43 a.m., the Board reconvened to open session.

Disclosure of reportable actions taken in Closed Session, pursuant to Government Code Section 54957.1: There were no reportable actions taken in closed session.

ADJOURNMENT

President Weststeyn adjourned the meeting at 11:43 a.m.

The next regular board meeting is scheduled for May 16, 2024, at the offices of Oakdale Irrigation District beginning at 9:00 a.m.

ATTEST:

Summer Nicotero, Secretary
Tri-Dam Project

BOARD AGENDA REPORT

Date: 5/16/2024

Staff: Genna Modrell

SUBJECT: Tri-Dam Project April Statement of Obligations

RECOMMENDED ACTION: Approve the April 2024 Statement of Obligations.

BACKGROUND AND/OR HISTORY:

Submitted for approval is the April Statement of Obligations for Tri-Dam Project.

FISCAL IMPACT: See Attachments

ATTACHMENTS: Tri-Dam Project Statement of Obligations

Board Motion:

Motion by: _____ **Second by:** _____

VOTE:

OID: DeBoer (Yes/No) Doornenbal (Yes/No) Orvis (Yes/No) Santos (Yes/No) Tobias (Yes/No)

SSJID: Holbrook (Yes/No) Kamper (Yes/No) Roos (Yes/No) Spyksma (Yes/No) Weststeyn (Yes/No)

Tri-Dam Project

Statement of Obligations

Period Covered

April 1, 2024 to April 30, 2024

**TRI-DAM PROJECT
STATEMENT OF OBLIGATIONS**

**Period Covered
April 1, 2024 to April 30, 2024**

One-Half Oakdale Irrigation District	\$ 369,308.91
One-Half South San Joaquin Irrigation District	\$ 369,308.91
Total Obligations	<u>\$ 738,617.82</u>

CERTIFICATION

OAKDALE IRRIGATION DISTRICT

Thomas D. Orvis

Ed Tobias

Linda Santos

Herman Doornenbal

Brad DeBoer

SOUTH SAN JOAQUIN IRRIGATION DISTRICT

John Holbrook

Dave Kamper

David Roos

Glenn Spyksma

Mike Weststeyn

Each of the undersigned certifies that he is President or Secretary of his respective District;
That the amounts designated above have been properly incurred as an obligation of the Tri-Dam Project; that
checks for payment of said amounts have been drawn on a Tri-Dam Project account at Oak Valley Community
Bank, Sonora, California.

**OAKDALE IRRIGATION DISTRICT
PRESIDENT,**

Thomas D. Orvis

SECRETARY,

Scot A. Moody

Date

**SOUTH SAN JOAQUIN IRRIGATION DISTRICT
PRESIDENT,**

Mike Weststeyn

SECRETARY,

Peter M. Rietkerk

Date

Tri-Dam Project Statement of Obligations

Period Covered
From To
April 1, 2024 to April 30, 2024

<u>Vendor Check Register Report</u>	<u>No. Chks.</u>	
(Please see attached Check Listing)	86	\$ 555,522.31

Payrolls - Net Charges

<u>Pay Date</u>	<u>Type</u>	<u>Payroll Amount</u>	
11-Apr-24	Payroll	\$ 93,750.63	
25-Apr-24	Payroll	\$ 89,344.88	
Total Net Payroll		\$ 183,095.51	\$ 183,095.51

Total Disbursements for the Period	\$ 738,617.82
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District Portion~	
Oakdale Irrigation District	\$ 369,308.91
South San Joaquin Irrigation District	\$ 369,308.91
Total Districts	\$ 738,617.82

Project

April Checks



Check Number	Vendor No	Vendor Name	Check Date	Description	Amount
ACH	10663	Standard Insurance Co.	04/17/2024	Long/Short Term Disability	563.21
ACH	11086	Benefit Resource, LLC	04/17/2024	Flex Spending	2,211.98
130847	11518	Advanced Test Equipment Corporation	04/05/2024	Fiber Splicer Rental for SCADA	1,066.65
130848	11475	Alley Tree & Landscape	04/05/2024	Sonora Office Landscape, Janitorial/Landscape Tulloch Day Use	4,000.00
130849	11240	Arnett Industries, LLC	04/05/2024		225.00
130850	10084	Banks Glass	04/05/2024		91.08
130851	11086	Benefit Resource, LLC	04/05/2024		150.00
130852	11459	C & R Royal SVC, Inc.	04/05/2024	Batteries for DPH, BPH, Snowcat & Blk Creek, brake cleaner, filters, oil,	2,560.93
130853	10935	Data Path, Inc.	04/05/2024	Network Support	3,173.75
130854	10227	Del Oro Water Co. Inc.	04/05/2024		589.85
130855	11212	Doug's Dockworks	04/05/2024	Fees for relocating Frazier Facilities	1,445.00
130856	11388	Factory Technologies, Inc.	04/05/2024	Installation of Switch Upgrades	4,475.00
130857	11200	Alex Flud	04/05/2024	EE Reimbursement - Safety Glasses	337.00
130858	10300	Frasco Profiles	04/05/2024		156.45
130859	10319	General Plumbing Supply Co Inc.	04/05/2024		64.57
130860	10320	General Supply Co.	04/05/2024		337.75
130861	10938	Great America Financial Svcs.	04/05/2024		321.61
130862	10347	HDR Engineering Inc.	04/05/2024	Tulloch Stability Analysis	4,199.52
130863	10879	Lowe's	04/05/2024		229.58
130864	10441	Megger, States - A Div of	04/05/2024	Insulation Tester, Calibration Box, Warranty, Certificate of Cert.	9,438.34
130865	10466	Mountain Oasis Water Systems & Btl Co LLC	04/05/2024		144.75
130866	11353	Nates Saw and Mower, LLC	04/05/2024		473.81
130867	11011	Pacific Gas & Electric	04/05/2024	Utilities	3,674.55
130868	11274	PAR Environmental Services, Inc.	04/05/2024		543.62
130869	10168	Petty Cash	04/05/2024		25.21
130870	10535	Pitney Bowes GFS LLC	04/05/2024		237.96
130871	11414	Provost & Pritchard	04/05/2024	Tulloch Spillway, Beardsley Spillway, Contract Support Services	20,618.64
130872	11367	Safeguard Business Systems, Inc.	04/05/2024		242.82
130873	10888	AASC Safety Council	04/05/2024		124.00
130874	11495	Western Hydrologic Systems	04/05/2024	Streamgaging	6,250.00
130875	10933	Smile Business Products	04/05/2024		187.64
130876	10641	Sonora Airco Gas & Gear	04/05/2024		48.23
130877	11005	Sonora Lumber Company	04/05/2024		50.70
130878	11473	Staples	04/05/2024		41.09
130879	11343	Tim O'Laughlin, PLC	04/05/2024	Legal Matters	6,820.00
130880	10718	Tractor Supply Credit Plan	04/05/2024		139.40
130881	10749	UPS	04/05/2024		272.55
130882	11063	UTLTRN Design	04/05/2024		58.99
130883	11258	Verizon	04/05/2024		126.19
130884	11413	AIS Trust Account, DBA Alliant Insurance Serv	04/17/2024	Auto Ins., Commercial, Excess Comm., Liability - 4/1/24 to 4/1/25	304,364.00
130885	11511	Amazon Capital Services, Inc.	04/17/2024		458.21
130886	10866	AT&T Teleconference Services	04/17/2024		8.83
130887	11459	C & R Royal SVC, Inc.	04/17/2024	Brake pads/rotors for 20-1 & 20-5, battery for boom truck	2,681.15
130888	10154	Calaveras Telephone Co.	04/17/2024		113.52
130889	10935	Data Path, Inc.	04/17/2024	Automation Well Water Data Transfer	1,600.00
130890	10250	Downey Brand Attorneys LLP.	04/17/2024	Tulloch Litigation	3,913.00
130891	10294	FISHBIO	04/17/2024	Fish Studies	28,360.00
130892	11074	Gannett Fleming, Inc.	04/17/2024	Dam Safety Engineering	5,939.52
130893	10333	Grainger Inc. W. W.	04/17/2024		614.41
130894	10347	HDR Engineering Inc.	04/17/2024	Tulloch Stability Analysis	2,365.64
130895	11049	Hunt & Sons, LLC	04/17/2024		339.24
130896	11500	JTM Cleaning Co.	04/17/2024		605.00
130897	11521	McMahon Construction	04/17/2024		400.00
130898	10439	McMaster-Carr Supply Co.	04/17/2024		513.41
130899	11520	Moore Properties	04/17/2024	Tulloch Performance Deposit Refund	3,000.00
130900	10485	Newark Corporation	04/17/2024	Electric contacts for Goodwin Gates	1,142.88
130901	10500	OID ~ Routine	04/17/2024	Finance/Admin Reimbursement, Weed Abatement	10,523.95
130902	10513	Pacific Gas & Elec - Non Util	04/17/2024		168.28
130903	11472	Pacific Gas & Electric	04/17/2024		468.76
130904	10536	Pitney Bowes Purchase Power Inc.	04/17/2024		56.28

130905	11439	Prime Auto Glass	04/17/2024		632.62
130906	11519	Rogers, Anderson, Malody & Scott, LLP	04/17/2024	Accounting services for February & March	18,611.00
130907	10618	Sierra Motors	04/17/2024		121.37
130908	10904	Sonora Ford	04/17/2024		60.72
130909	10749	UPS	04/17/2024		7.74
130910	11435	VISA	04/17/2024	Governor Training , air fare for training, HPU filters for TPH 3	22,685.45
130911	10776	Waste Mgmt of Cal Sierra Inc.	04/17/2024		427.12
130912		Void			0.00
130913	11518	Advanced Test Equipment Corporation	04/23/2024		263.23
130914	11511	Amazon Capital Services, Inc.	04/23/2024		495.24
130915	11457	AT&T - CalNet	04/23/2024		236.40
130916	10068	AT&T Corp - Data Link	04/23/2024		305.68
130917	11378	California Utilities Emergency Assn.	04/23/2024		500.00
130918	10184	Clark Pest Control of Stockton Inc.	04/23/2024		193.00
130919	11074	Gannett Fleming, Inc.	04/23/2024	Radial Tainter Gate Inspections	28,233.37
130920	10347	HDR Engineering Inc.	04/23/2024	Tulloch Stability Analysis	2,864.50
130921	11049	Hunt & Sons, LLC	04/23/2024		449.91
130922	11169	Liebert Cassidy Whitmore	04/23/2024	Negotiations March	10,399.38
130923	10428	M C I	04/23/2024		27.82
130924	11011	Pacific Gas & Electric	04/23/2024	Utilities	3,613.44
130925	11438	Pacific Gas & Electric	04/23/2024		11.90
130926	10514	Pacific Gas & Electric Co.	04/23/2024	Utilities	6,782.50
130927	10516	Pacific Gas & Electric Co.	04/23/2024		353.26
130928	11414	Provost & Pritchard	04/23/2024	Support Services, Road Repairs, Tulloch Spillway	13,127.44
130929	10661	SSJID ~ Routine	04/23/2024	Legal/Admin Reimbursement	1,568.34
130930	10749	UPS	04/23/2024		197.38
Report Total:					555,522.31

BOARD AGENDA REPORT

Date: 5/16/2024
Staff: Summer Nicotero

SUBJECT: FERC Annual Headwater Benefits - Tulloch

RECOMMENDED ACTION: Approve 2024 Annual Tulloch Headwater Benefit Assessment

BACKGROUND AND/OR HISTORY:

The Federal Power Act and the Tulloch FERC license require that projects reimburse entities for benefits from headwater improvements. New Melones Reservoir benefits the Tulloch Project with additional energy gains, by smoothing out the Spring inflows and extending them throughout the entire year, minimizing spills past the Tulloch generating units and prolonging the power production period. The energy gains are calculated by FERC using the Commission's Headwater Benefits Energy Gain (HWBEG) model. This model calculates the energy gains by assembling streamflows that would have been theoretically available for energy production under varying conditions of operating the New Melones Reservoir. Headwater benefits in 2023 were \$91,599.

FISCAL IMPACT: Budgeted \$92,000

ATTACHMENTS: FERC Invoice \$91,794

Board Motion:

Motion by: _____ **Second by:** _____

VOTE:

OID: DeBoer (Yes/No) Doornenbal (Yes/No) Orvis (Yes/No) Santos (Yes/No) Tobias (Yes/No)

SSJID: Holbrook (Yes/No) Kamper (Yes/No) Roos (Yes/No) Spyksma (Yes/No) Weststeyn (Yes/No)

FEDERAL ENERGY REGULATORY COMMISSION
Washington, D.C. 20426

OFFICE OF ENERGY PROJECTS

Annual Headwater Benefits Assessment
Stanislaus River Basin
Docket No. HB43-24A-44
Oakdale & South San Joaquin Irrigation District

April 22, 2024

VIA Certified Mail and Return Receipt

Summer Nicotero
General Manager
Tri-Dam Project
P.O. Box 1158
Pinecrest, CA 95364

Subject: 2024 Annual Headwater Benefits Assessment – Stanislaus River Basin,
Docket No. HB43-24A-44

Dear Summer Nicotero:

By order issued October 1, 1993, Docket No. HB43-93-2-000,¹ the Commission established annual fees for benefits derived from headwater projects in the Stanislaus River Basin. The New Melones Federal Reservoir benefits your project. The table below represents the headwater benefits assessment for the period January 1, 2023 through December 31, 2023:

Downstream Project Name	FERC Project No.	Headwater Benefits Assessment
Tulloch	2067A	\$87,932.00
Admin. Charges to FERC		\$3,862.00
Total		\$91,794.00

¹ *South San Joaquin Irrigation District, and Oakdale Irrigation District*, 65 FERC ¶ 62,003 (1993).

The attached bill and payment thereof are to be considered interim, pending final determination of the amount owed. Please review the attached instructions to remit payment. Payment is due by the date indicated. Payment must be made on or before the due date to prevent the assessment of penalty and administrative charges. For general information about headwater benefits, visit the Commission's Internet site at: <http://www.ferc.gov/> and follow the links to the hydropower page.

Sincerely,

**KELLY
HOUFF**

Digitally signed by
KELLY HOUFF
Date: 2024.04.22
10:10:02 -04'00'

Kelly Houff
Chief, Engineering Resources Branch
Division of Hydropower Administration
and Compliance

Enclosure: Commission Staff's Summary of HWB Assessment in the Stanislaus River
Basin
Disbursement of Headwater Benefits Assessments

cc: VIA USPS First-Class Mail

Accounting Services Manager
U.S. Bureau of Reclamation
Mid Pacific Regional Office
MP- 3600
2800 Cottage Way
Sacramento, CA 95825-1898

DISBURSEMENT OF HEADWATER BENEFITS ASSESSMENTS

River Basin: Stanislaus

Docket Nos.: HB43-24A-44 (Oakdale & South San Joaquin Irrigation District)

Disbursement: Accounting Services Manager
U.S. Bureau of Reclamation
Mid Pacific Regional Office
MP- 3600
2800 Cottage Way
Sacramento, CA 95825-1898

The following table represents the apportionment of the total headwater benefits assessment for the New Melones Federal Reservoir providing energy gains for the period January 1, 2023 through December 31, 2023:

DISBURSEMENT TO THE BUREAU OF RECLAMATION:

UPSTREAM RESERVOIR NAME	APPORTIONMENT
New Melones (Total to Corps)	\$87,932.00
ADMIN. CHARGES TO FERC	\$ 3,862.00
TOTAL	\$91,794.00

ANNUAL CHARGES PAYMENT INSTRUCTIONS

Include **BILL NUMBER(S)** on all payment options listed below.

ACH Credit: Federal Reserve Bank	Fedwire: Federal Reserve Bank
Routing Number: 051036706	Routing Number: 021030004
Account Number: 540032	Account Number: 89000004

FERC also participates in the FedNow and Online Bill Pay programs.

REQUIREMENTS

The basis for the submission of this statement of annual charges is Section 10(e) (annual charges) or 10(f) (headwater benefits assessments) of Part I of the Federal Power Act for licensees, and Section 3401 of the Omnibus Budget Reconciliation Act of 1986 for exemptees.

A licensee may file a request with the Director of the Office of Energy Projects for a credit for contractual payments made for construction, operation, and maintenance of a Government dam at any time before 30 days after receiving a billing for annual charges.

Payment is due 45 days from the statement issue date. Penalty and administrative charges accrue on an unpaid balance after the due date and may be assessed monthly. Payments made “under protest” will be placed in a suspense account until a determination is made on the appeal (and subsequent rehearing, if one is filed). Making a payment “under protest” alone is not sufficient to appeal the bill.

This statement of annual charges is subject to subsequent correction in case of error, even though payment will have been made. In such event, if the correction shows a decrease in the total charges, credit will be given on the statement for the following year. If the correction shows an increase, additional remittance will be required, upon notification.

APPEALS

If you believe this statement is incorrect, you must file an appeal with the Chief Financial Officer, no later than 45 days after rendition of the statement. Written appeals may be sent to: Federal Energy Regulatory Commission, Chief Financial Officer, 888 First Street, NE, Washington, DC, 20426 or annualcharges@ferc.gov. You may call Ms. Raven A. Rodriguez at (202) 502-6276 or Mr. Norman Richardson at (202) 502-6219 with any questions. You must still make timely payment of the charges assessed to avoid penalty and administrative charges.

REQUESTS FOR REHEARING

For the Commission to consider an argument of law or policy, you must file a Request for Rehearing, no later than 30 days from the Chief Financial Officer’s decision on the appeal (18 CFR, 385.713). The request for rehearing is not a stay of the Commission’s statement, and if you have not yet paid or, as a result of the disposition of your appeal, now owe additional sums, you must still pay the charges to avoid any penalty and administrative charges. Send requests for rehearing to: Federal Energy Regulatory Commission, Acting Secretary Debbie-Anne A. Reese, 888 First Street, NE, Washington, DC, 20426.

FERC’s Federal ID: 52-1383541

**FEDERAL ENERGY REGULATORY COMMISSION
WASHINGTON, D.C. 20426**

Summer Nicotero
General Manager
Tri-Dam Project
P.O. Box 1158
Pinecrest, CA 95364

BILL NUMBER:	HB2433	BILLED AMOUNT:	\$91,794.00
INT. RATE:	05.00%		
BILL DATE:	04/22/2024		
DUE DATE:	06/06/2024		
DOE CID REFERENCE:	HB2433	RECEIPTS:	\$0.00
		TOTAL DUE:	\$91,794.00

Dear Oakdale & South San Joaquin Irrigation District:

The attached letter describes the breakdown of annual charges for Headwater Benefits. We must receive your payment on or before the due date to avoid the assessment of penalty and administrative charges. If you have any questions regarding payment, please contact Ms. Raven Rodriguez at (202) 502-6276.

BOARD AGENDA REPORT

Date: 5/16/2024

Staff: Forrest Killingsworth
SSJID Engineering Manager

SUBJECT: Canyon Tunnel Progress Update and 95% Design Proposal

RECOMMENDED ACTION:

No action recommended. Staff seeks consensus from the Board to proceed with the approval process to initiate the 95 Percent Design Proposal as presented by Provost and Pritchard Consulting Group (“P&P”), to be performed on a time and expense basis, not to exceed \$739,150 (including \$82,250 of remaining budget from the 90% design contract). The OID and SSJID Boards will independently consider approvals at subsequent board meetings.

BACKGROUND AND/OR HISTORY:

Development of the 90% Canyon Tunnel design was initiated in January of 2023 (and amended in November of 2023) which included ten (10) phases of work listed below:

1. Consultation and Coordination
2. Documentation of Existing Conditions
3. Hydrogeology Evaluation
4. 90 Percent Civil Design
5. 90 Percent Geotechnical Design
6. 90 Percent Electrical Design
7. Construction Cost Estimate
8. Geological Data and Geotechnical Baseline Reports
9. Slope Monitoring at Upstream Intake (amendment addition)
10. Habitat Mitigation Monitoring Plan (amendment addition)

Most of the 90% design work is complete, however certain elements remain outstanding including design components related to landowner negotiations, a plan for spoils disposal, and execution of the HMMP (i.e., tree planting mitigation efforts). The remaining work is dependent on the results of landowner negotiations and preferred weather conditions conducive for tree planting. While the 90% design is not officially finished, the design team is ready to advance other components of the project design (that are not dependent on landowner negotiations or favorable weather) to completion. As such, P&P has prepared a proposal to advance the project to the 95% design level. \$82,250 remains in the budget from the 90% design contract which has been rolled over into the 95% proposal.

ANALYSIS:

The 95 Percent Design Proposal will continue to build on the work completed in the 90% design phase. The proposal is broken down into ten (10) phases and includes the unfinished work from the 90% design:

- *Phase 1 – Consultation and Coordination (\$38,900)*
 - Design meetings with SSJID, OID, and TDP to identify specific needs, requirements, and objectives of the Project
 - Coordination and meetings with regulatory agencies, as necessary, including DSOD, USGS, CDFW, etc.

- **Note:** Public Outreach support is excluded from this proposal. SSJID will be developing a public outreach plan within the coming months. P&P will be expected to provide support as needed, however the amount of support will be dependent on the plan. As such, a future addendum (and an appropriately sized budget) is anticipated to be presented for consideration at a later date.
- *Phase 2 – Final Civil Design (\$283,800)*
 - Value Engineering (e.g., eliminate ferry in exchange for a boat ramp and landing, simplify the flume design to reduce structural costs)
 - Revision of project plans to incorporate staff comments
 - Mangante Turnout Design (previously authorized)
 - Response and plan revisions resulting from DSOD review (\$35,000 placeholder, extent of work unknown)
- *Phase 3 – Final Geostuctural Design (\$94,000)*
 - Value Engineering (analysis of more cost-effective slope stability methods at upstream portal)
 - Revision of project plans to incorporate staff comments
 - Destruction and abandonment of 17 bore holes/monitoring wells per County requirements (sub-consultant work by Taber Drilling)
- *Phase 4 – Final Electrical Design (\$30,000)*
 - Completion of plans/specifications
 - Evaluation of on-site generators vs PG&E service (for construction)
- *Phase 5 – Landowner Support (\$26,250)*
 - Miscellaneous support as necessary during landowner negotiations
 - Evaluation of cost savings associated with spoils disposal alternatives
 - Biological review for spoils disposal to SSJID property (as needed)
- *Phase 6 – Biological/CEQA/Planning and Permitting (\$46,500)*
 - Execution of the HMMP (tree planting – previously authorized)
 - 401/404 Permitting
 - Development of a Biological Monitoring Plan for Construction
 - Lake/Streambed Alteration Agreement (LSA) Amendment to incorporate plan revisions
 - CEQA document addendum to incorporate plan revisions
 - Finalize and submit Fish Rescue Plan
- *Phase 7 – Contract Assistance (\$156,400)*
 - Development of Technical Specifications and bid sheets (for construction bidding) for staff review
 - Contractor Pre-Qualification process development, public advertisement, and selection of pre-qualified contractors
 - Pre-construction Upstream Portal Slope Monitoring (subconsultant work by Cotton Shires & Assoc.)
- *Phase 8 – Final Engineer’s Opinion of Probable Construction Costs (\$26,000)*
 - Update cost estimates as a result of value engineering and landowner negotiations
 - Development of cost schedule for anticipated payments during construction (for financial planning)
- *Phase 9 – Final GDR/GBR (\$15,900)*
 - Finalization of the Geotechnical Baseline Report and Geologic Data Report incorporating prior review meeting discussions and updated hydrograph/piezometer information.
- *Phase 10 – Reporting (\$21,400)*
 - Development of Final Design report, documentation, and design criteria compilation

Project Schedule:

Following the Tri-Dam meeting, each board will independently consider approval of the 95% design proposal. If approved, the 95% work will be officially initiated in June of 2024. The bulk of the work will be performed between June and October, at which point the project will be prepared for construction bidding. Key milestones regarding the project schedule are listed below:

- | | |
|-----------------------|---|
| - June 2024 | Initiate 95% Design |
| - August 2024 | 95% Design plans due to districts for review |
| - September 2024 | Initiate Contractor Prequalification |
| - October 2024 | Selected Qualified Contractors |
| - October 2024 | Complete Landowner Negotiations |
| - December 2024 | Initiate 100% Design (i.e., prepare for bidding) |
| - January 2025 | Initiate Bid Solicitation |
| - April 2025 | Award Construction and Construction Management/Inspection Contracts |
| - June 2025 | Notice to Proceed (Begin Construction) |
| - September 2027 | Tunneling Complete |
| - February 2028 | Tie-in to existing JSC and Substantial Completion |
| - April 2028 | Final Completion |

Key Notes and Takeaways:

- Landowner negotiations remain a critical path item. Signed agreements are needed from the landowners by the end of October to keep the project on schedule. Over the next few weeks, staff will develop a schedule and procedure for the eminent domain process in the event the landowners are unwilling to cooperate.
- Advancing the project through the various percentages of design does not directly correlate to the amount of work required to do so. In other words, advancing from 90% to 95% design will require substantially more work (and expense) compared to advancing from 95% design to 100% design.
- The 100% design will include work related to minor plan revisions resulting from the DSOD comments on the 95% plans, adjustment for any remaining landowner related items, and bid administration support. The 100% proposal is anticipated to be less than the 95% proposal.
- The prequalification process is recommended to prevent unqualified (or partially qualified) contractors from bidding on the project. In this way, we can mitigate the potential for bid rejections and bid protests which could impact the schedule and/or the quality of the contractor selected.
- Pre-construction slope monitoring (included in Phase 7) was thoroughly discussed amongst the management team. The recommended process will allocate adequate time to evaluate the pre-construction conditions (of the slope above the upstream portal) to establish a baseline for ordinary movements, fracture sizes, and fluctuations of the slope surface. As a part of construction, the contractor will continue to monitor the site, utilizing the baseline information collected, to evaluate potential hazards and to anticipate a potential slope failure. If unusual movements are detected, the contractor will be more capable of avoiding a hazardous slope failure and enhancing work site safety.
- Value Engineering efforts (included in Phases 2 and 3) will offer an opportunity to reduce the construction costs without adversely affecting performance and site safety. Potential cost savings will be formally estimated through the evaluation process but could amount to millions of dollars.

FISCAL IMPACT:

Phase	Estimated Fee	SSJID Portion (72%)	OID Portion (28%)
Phase 1 - Consultation and Coordination	\$ 38,900	\$ 28,008	\$ 10,892
Phase 2 - Documentation of Existing Conditions	\$ 283,800	\$ 204,336	\$ 79,464
Phase 3 - Hydrogeology Evaluation	\$ 94,000	\$ 67,680	\$ 26,320
Phase 4 - 90 Percent Civil Design	\$ 30,000	\$ 21,600	\$ 8,400
Phase 5 - 90 Percent Geotechnical Design	\$ 26,250	\$ 18,900	\$ 7,350
Phase 6 - 90 Percent Electrical Design	\$ 46,500	\$ 33,480	\$ 13,020
Phase 7 - 90 Percent Geotechnical Design	\$ 156,400	\$ 112,608	\$ 43,792
Phase 8 - 90 Percent Electrical Design	\$ 26,000	\$ 18,720	\$ 7,280
Phase 9 - Construction Cost Estimate	\$ 15,900	\$ 11,448	\$ 4,452
Phase 10 - GDR and GBR Documents	\$ 21,400	\$ 15,408	\$ 5,992
Total Estimate Fee:	\$ 739,150	\$ 532,188	\$ 206,962

Note: the total fee estimate includes \$82,250 of remaining budget from the 90% Design contract. If approved, the remaining budget will be rolled into the 95% design. Therefore, authorization for additional expenditures amounts to \$656,900 (\$472,968 SSJID / \$183,932 OID).

2024 Budget Considerations:

Total 2024 Canyon Tunnel Budget	\$877,569
<u>Expenditures through April:</u>	<u>\$177,713</u>
Remaining 2024 Budget:	\$699,856

Anticipated Remaining 2024 Expenditures:

95% Design Work:	\$739,150
SWRCB Environmental Impact Fees:	\$58,427
Remaining Appraisal Fees:	\$6,000
Landowner Option Agreements	\$5,000
<u>Public Outreach Plan (not originally budgeted)</u>	<u>(TBD)</u>
Total Remaining 2024 Expenditures:	\$808,577

The 2024 project budget is trending approximately \$109,000 over budget (plus costs to develop a public outreach plan, if necessary). Each Board will independently determine if a budget amendment is necessary.

ATTACHMENTS:

Attachment A – 95% Design Proposal

Board Motion:

Motion by: _____ Second by: _____

VOTE:

OID: DeBoer (Yes/No) Doornenbal (Yes/No) Orvis (Yes/No) Santos (Yes/No) Tobias (Yes/No)

SSJID: Holbrook (Yes/No) Kamper (Yes/No) Roos (Yes/No) Spyksma (Yes/No) Weststeyn (Yes/No)

South San Joaquin Irrigation and Oakdale Irrigation Districts

Canyon Tunnel Project Update

Provost & Pritchard Consulting
Group

May 16, 2024

Presented by

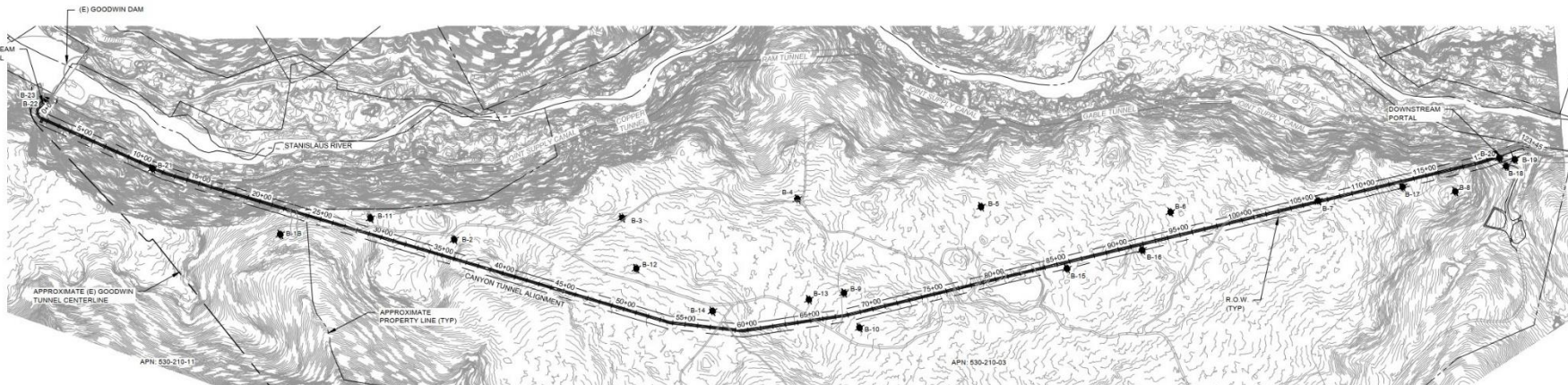
- Scott Lewis, CEG – Principal and Project Director

In association with:

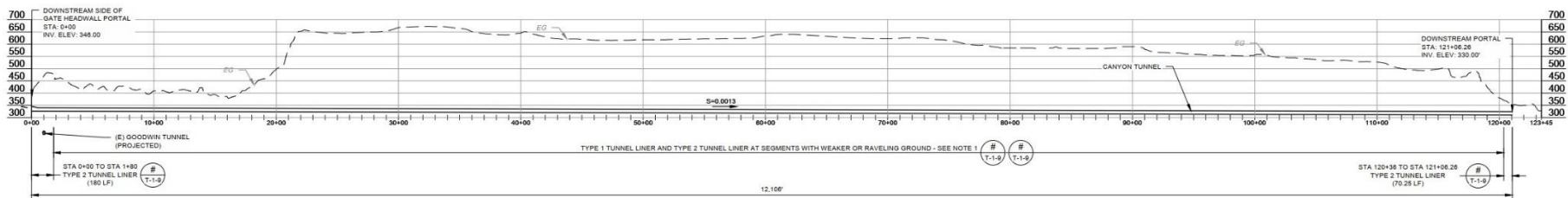
- Alex Collins, PE – Project Civil Design Lead
- Andy Kositsky, PE GE – Project Engineer-of-Record
- Kim Tarantino – Senior Project Administrator

Scope and Purpose of Presentation

- 90% Tunnel and Structures
- 90% Design Summary
- 95% Design Proposal
- 100% Finalization and Bidding Scope
- Final Design and Pre-Construction Fee Estimates
- Construction Budget Estimates
- Estimated Project Schedule



1 CANYON TUNNEL PLAN

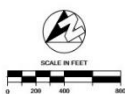


2 CANYON TUNNEL PROFILE

LEGEND
 B-x ◆ CORE HOLE LOCATIONS

- NOTES**
1. THE ENGINEER DURING CONSTRUCTION SHALL DETERMINE LIMITS OF SEGMENTS WHERE TYPE 2 TUNNEL LINERS ARE REQUIRED FROM STA 1+80 THROUGH STA 120+38. PRELIMINARY ESTIMATE: TYPE 2 LINERS BE REQUIRED ALONG 5,100 LINEAR FEET ALONG THIS INTERVAL.
 2. GEOLOGIC CONDITIONS ARE SHOWN ON SHEET T-1-7.

CHECK BASED ON FINALIZED GBR



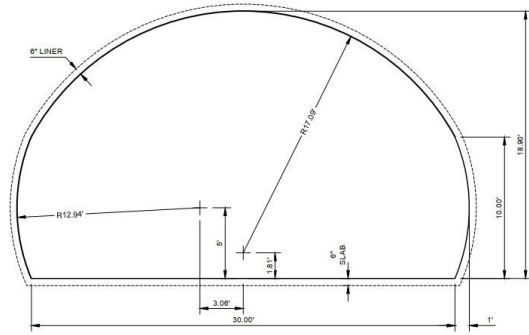
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 12-15-2023

FOR REVIEW ONLY

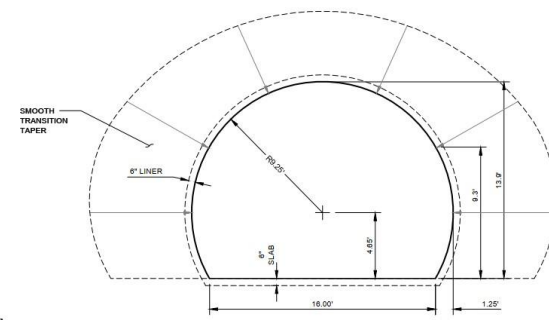
PROVOST & PRITCHARD 19999 GREENELEY RD, SUITE J SONOMA, CALIFORNIA 94970 PHONE (415) 776-0200 www.provostandpritchard.com		SOUTH SAN JOAQUIN IRRIGATION DISTRICT CALAVERAS COUNTY, CALIFORNIA CANYON TUNNEL TUNNEL OVERALL PLAN AND PROFILE	
DESIGN ENGINEER: ANDREW KOSITSKY LICENSE NO: GE 2632	DRAFTED BY: KGM/SG CHECKED BY: SWL	DATE: 12-15-2023 JOB NO: 1956-22018	ORIGINAL SCALE SHOWN IS ONE INCH ADJUST SCALE FOR REDUCED OR CHANGED PLANS. 10 OF 109 SHEET T-1-1
NO. _____ REVISION _____ BY _____ DATE _____			

DISCLAIMER: THIS PLAN REPRESENTS FEATURES FOR ILLUSTRATION PURPOSES ONLY. IT IS NOT A LEGAL SURVEY AND IS NOT INTENDED FOR USE IN DETERMINING BOUNDARIES OR DIMENSIONS. ANY USE OF THIS PLAN FOR PURPOSES OTHER THAN LOCATION OF FEATURES IS DONE SO AT THE USER'S RISK AND WITHOUT THE CONSENT OF PROVOST & PRITCHARD. SEE CIVIL DOCUMENTS FOR LOCATION OF BOUNDARIES AND FEATURES.

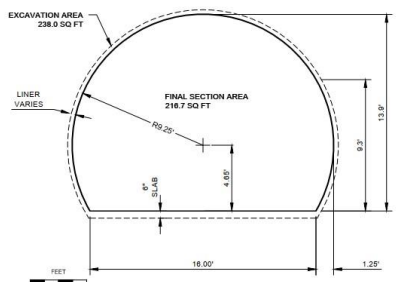
12/15/2023 2:33 PM C:\Users\Ben.Austin\OneDrive\Documents\Projects\2023\12-15-2023\Canyon Tunnel\Profile\T-1-1.dwg TUNNEL OVERALL PLAN AND PROFILE.dwg Ben.Austin 0/28



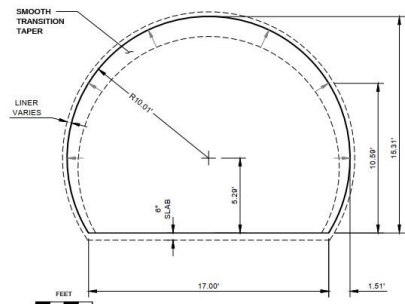
1
T-1-6 30.0'W X 18.9'H INLET TUNNEL
STA: 0+00 TO STA: 0+10



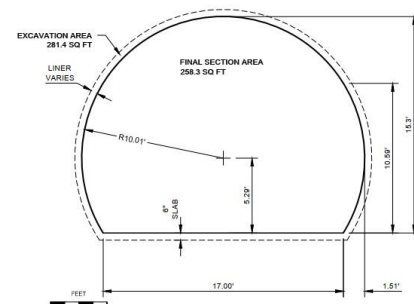
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T-1-6 30.0'W TO 16.0'W TRANSITION TUNNEL
STA: 0+10 TO STA: 0+50



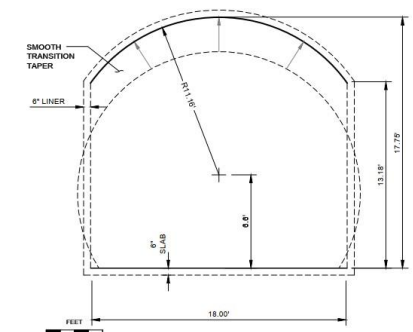
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T-1-2 16.0'W X 13.9'H TUNNEL
STA: 0+50 TO STA: 84+80



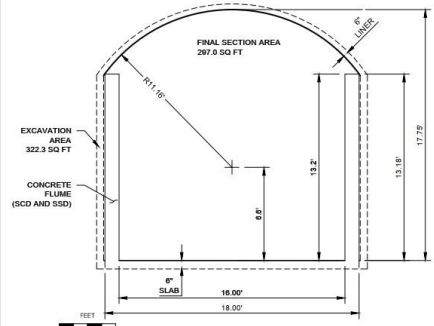
4
T-1-4 16.0'W TO 17.0'W TRANSITION TUNNEL
STA: 84+80 TO STA: 85+00



5
T-1-5 17.0'W X 15.3'H TUNNEL
STA: 85+00 TO STA: 120+36



6
T-1-6 17.0'W TO 18.0'W TRANSITION TUNNEL
STA: 120+36 TO STA: 120+46



7
T-1-5 18.0'W X 17.75'H TUNNEL
STA: 120+46 TO STA: 121+06

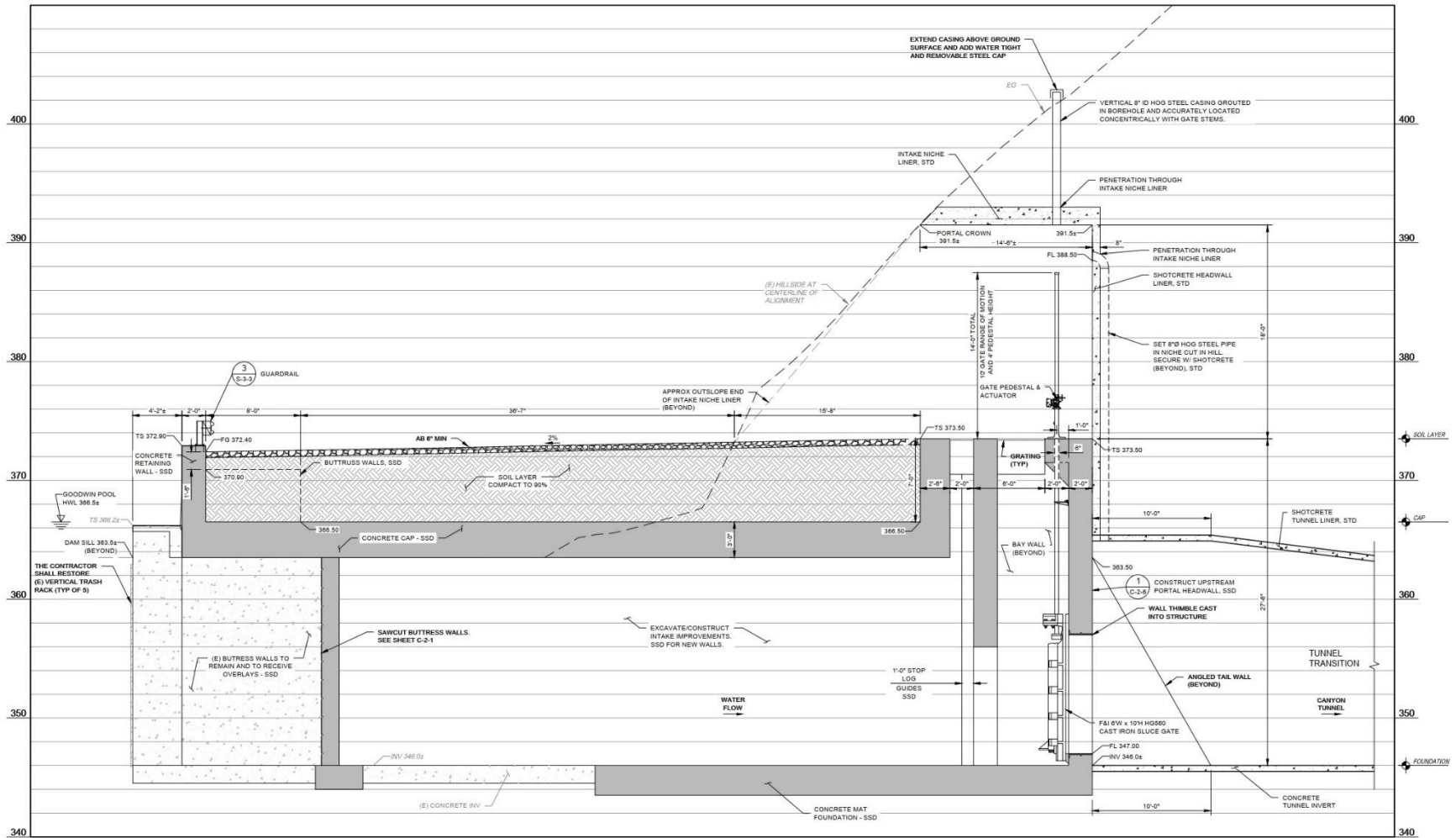
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12-15-2023

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REVIEW
ONLY

PROVOST & PRITCHARD 1999 GREENLEY RD, SUITE J SONOMA, CALIFORNIA 95070 PHONE (805) 776-0000 www.provostandpritchard.com		SOUTH SAN JOAQUIN IRRIGATION DISTRICT CALAVERAS COUNTY, CALIFORNIA CANYON TUNNEL CANYON SECTIONS	
DESIGN ENGINEER: ANDREW KOSITSKY	DRAFTED BY: KGM/SG	DATE: 12-15-2023	ORIGINAL SCALE SHOWN IS ONE INCH ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.
LICENSE NO: GE 2532	CHECKED BY: SWL	JOB NO: 1055-22018	
NO. _____ REVISION _____ BY _____ DATE _____		17 OF 109 SHEET T-1-8	

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12/15/2023 3:39 PM C:\Users\Ben_Ashwin\Desktop\1055-22018\CAD\340-Canyon Tunnel\T-1-5 TUNNEL SECTIONS.dwg - Sheet1-6.dwg



A
C-2.2 INTAKE PROFILE



- NOTES**
1. THE CONTRACTOR SHALL DESIGN AND CONSTRUCT A COFFER DAM AT THE UPSTREAM END OF (E) INTAKE AND PUMP WATER FROM THE (E) INTAKE TO FACILITATE NEW CONSTRUCTION DURING THE JSC MAINTENANCE SEASONS.
 2. THE CONTRACTOR SHALL REMOVE THE COFFER DAM TO FACILITATE REGULAR JSC CONVEYANCE DURING THE IRRIGATION SEASON AND PRIOR TO PROJECT COMPLETION.
 3. THE CONTRACTOR'S LICENSED ENGINEER SHALL SUBMIT A COFFER DAM DESIGN PRIOR TO COFFER DAM INSTALLATION.
 4. SUBDRAIN NOT SHOWN FOR CLARITY.

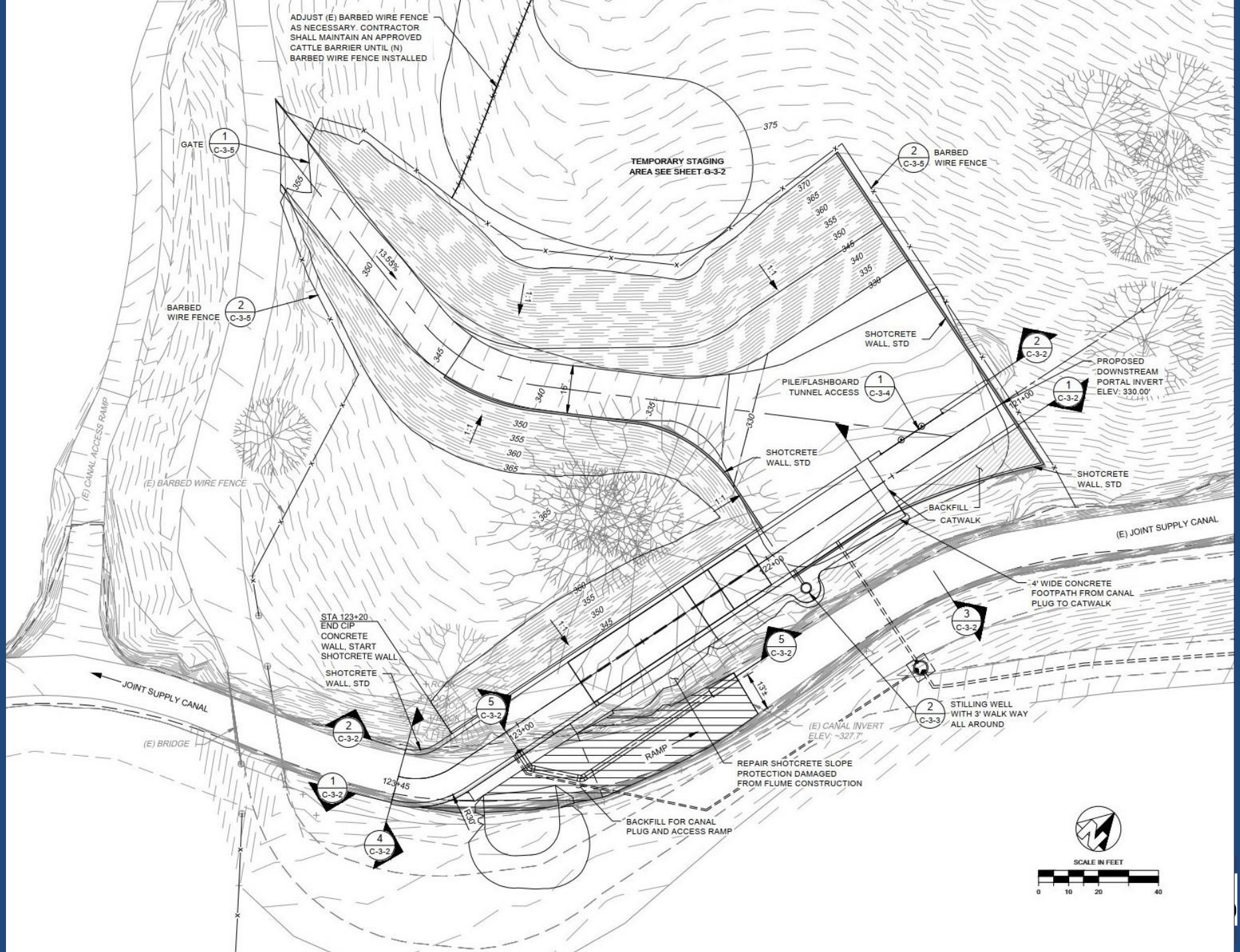
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12-15-2023**

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FOR REVIEW ONLY

PROVOST & PRITCHARD DESIGN ENGINEER: ANDREW KOSITSKY LICENSE NO: GE 2632		19999 GREENEVILLE RD, SUITE J SONOMA, CALIFORNIA, 95070 PHONE (415) 674-0200 www.provostandpritchard.com		SOUTH SAN JOAQUIN IRRIGATION DISTRICT CALAVERAS COUNTY, CALIFORNIA CANYON TUNNEL INTAKE PROFILE	
DRAFTED BY: KGM/SG CHECKED BY: SWL		DATE: 12-15-2023 JOB NO: 1006-22016		ORIGINAL SCALE SHOWN IS ONE INCH ADJUST SCALE FOR REDUCED OR ENLARGED PLANS. 44 OF 109 SHEET C-2-3	
NO.	REVISION	BY	DATE		

ADJUST (E) BARBED WIRE FENCE AS NECESSARY. CONTRACTOR SHALL MAINTAIN AN APPROVED CATTLE BARRIER UNTIL (N) BARBED WIRE FENCE INSTALLED



TEMPORARY STAGING AREA SEE SHEET G-3-2

GATE 1 C-3-5

2 C-3-5 BARBED WIRE FENCE

2 C-3-5 BARBED WIRE FENCE

SHOTCRETE WALL STD

2 C-3-2

PROPOSED DOWNSTREAM PORTAL INVERT ELEV. 330.00'

PILE/FLASHBOARD TUNNEL ACCESS 1 C-3-4

1 C-3-2

SHOTCRETE WALL STD

SHOTCRETE WALL STD

BACKFILL CATWALK

(E) JOINT SUPPLY CANAL

STA 123+20 END CIP CONCRETE WALL START SHOTCRETE WALL SHOTCRETE WALL STD

4' WIDE CONCRETE FOOTPATH FROM CANAL PLUG TO CATWALK

3 C-3-2

JOINT SUPPLY CANAL

2 C-3-3 STILLING WELL WITH 3' WALK WAY ALL AROUND

(E) BRIDGE

REPAIR SHOTCRETE SLOPE PROTECTION DAMAGED FROM FLUME CONSTRUCTION

BACKFILL FOR CANAL PLUG AND ACCESS RAMP



90% Design Summary

- Phase 1 Consultation/Coordination
 - DSOD review scope and application
 - 90% Drawings submitted to DSOD for review
 - SSJID, OID and TDP meetings and correspondence to coordinate needs
 - Initial Landowner Negotiations support
 - Prepared monthly updates
 - PG&E construction Power vs Generators opportunities
 - Attend meetings as requested

90% Design

- Phase 2 Documentation of Existing Conditions
 - Divers
 - Investigation of the existing conditions at the upstream portion of the project including observations and video
 - Testing of concrete samples taken by the dive team
 - Survey
 - Performed survey and 3-D rendering of the upstream intake area for design development
 - Performed bathymetric survey



EST. 1968

**PROVOST &
PRITCHARD**
CONSULTING GROUP

90% Design

- Phase 3 Hydrogeology Evaluation
 - Testing of monitoring wells
 - Compile and analyze data to support estimates of Groundwater Inflows
 - Limited inflows expected during Tunneling

90% Design

- Phase 4 Civil Design
 - Evaluated data to determine the civil design of the **Upstream Intake Structure**
 - Coordination with TDP to determine Operations and Maintenance needs
 - **Upstream Access** - consultation with marine subconsultant on design and implementation of Ferry concept
 - **Structural Engineering** and calculations for Rockfall Protection and Intake Niche

90% Design

- Phase 4 Civil Design (continued)
 - Hydraulics analyses for entire project including Upstream, Tunnel and Downstream components
 - Flume design for Downstream Portal
 - Details to support Construction Cost Estimate
 - Technical Specifications for Civil and Structural work

90% Design

- Phase 4.1 Mangante Turnout Design (moved to 95%)
 - Site Visits to meet with Landowners
 - Observations subsurface – Test Pits and Potholing
 - Survey services
 - Provide Design Drawings, Calculations and Specifications

90% Design

- Phase 5 Geostuctural Design
 - Finalized Tunnel Design
 - Tunnel Dimensions with hydraulic information
 - Tunnel Alignment based on GBR analyses
 - Shoring Design at Portals
 - Upstream Geologic Hazard report
 - Rockfall Analysis report
 - Geotechnical Memorandum to include in Bid Docs
 - Design Report for 90%
 - Technical Specifications for the Tunnel and Shoring
 - Details to support Construction Cost Estimate

90% Design

- Phase 6 Electrical Design
 - Document existing conditions
 - Coordination with TDP and Civil
 - No new SCADA – fiber cable from flume to Goodwin through tunnel
 - Electrical Drawings
 - Technical Specifications

90% Design

- Phase 7 Construction Cost Estimate
 - Estimated Labor, Materials, Schedule plus overhead and profit approach
 - Engineer's Opinion of Probable Construction Costs
 - Tunnel and Shoring - \$44.1M
 - Civil and Electrical - \$15.0M
 - Escalation (3.5% to 2025) - \$2.1M
 - Contingency (10%) – \$5.9M
 - Total EOPCC - \$67.1M
 - ROM CM and CEQA monitoring - \$7M

90% Design

- Phase 8 GDR and GBR
 - GDR updated - hydrogeology evaluation
 - GBR prepared
 - Two study sessions were conducted with SSJID and OID for coordination
 - Reports are in final draft form with review comments received

90% Design

- Phase 9 Initiate Slope Monitoring at Upstream Intake
 - Cotton Shires & Associates (CSA) field work and data compilation
 - Prepared report that was distributed to SSJID and OID
 - Recommendations included pre-construction and construction monitoring, plus temporary rockfall fence for construction safety

90% Design

- Phase 10 Habitat Mitigation and Monitoring Plan
 - Per LSA Agreement, report was prepared and submitted to CDFW for approval
 - Agency approval delayed tree planting work to winter of 2024/2025

90% Design

- Phase 11 Additional Miscellaneous Landowner Negotiation Support Services
 - As requested by SSJID
 - Cost estimates for various tunnel and excavations spoils disposal options
 - Maps and data to support appraisals

95% Proposal

- Phase 1 – Consultation and Coordination
 - Final Design meetings with SSJID, OID and TDP to confirm specific needs, requirements and objectives prior to project bidding
 - 95% revised drawings **submittal to DSOD for final review**
 - Coordination and meetings with regulatory agencies, as necessary, including DSOD
 - Public Outreach support, if requested, will be provided as an addendum

95% Proposal

- Phase 2 – Final Civil Design
 - Value engineering
 - Upstream access
 - Flume structures and foundations
 - Revision of plans to include staff comments and provide additional details to clarify bidding and construction
 - Mangante Turnout Design (previously authorized)
 - Response and plan revisions resulting from DSOD review

95% Proposal

- Phase 3 – Final Geotechnical Design
 - Value engineering
 - Upstream Access
 - Revision of project plans to incorporate staff comments
 - Destruction and abandonment of 17 bore holes/monitoring wells per County requirements

95% Proposal

- Phase 4 – Final Electrical Design
 - Completion of plans/specifications
 - Evaluation of on-site generators vs PG&E service (for construction)

95% Proposal

- Phase 5 – Landowner Support
 - Continued miscellaneous support as necessary during landowner negotiations
 - Evaluation of cost savings associated with **spoils disposal alternatives**
 - Biological review for spoils disposal to SSJID property (as needed)

95% Proposal

- Phase 6 – Biological/CEQA/Planning/Permitting
 - Execution of HMMP (tree planting)
 - 401/404 permitting
 - Development of a Biological Monitoring Plan for Construction
 - LSA Amendment
 - CEQA Addendum
 - Fish Rescue Plan

95% Proposal

- Phase 7 – Contract Assistance
 - Development of draft Contract Documents, Technical Specifications and bid sheets (for construction bidding) for staff review
 - Contractor pre-qualification process development, public advertisement, and selection of pre-qualified contractors
 - Pre-construction upstream portal slope monitoring (performed by CSA)

95% Proposal

- Phase 8 – Final EOPCC
 - Update cost estimates resulting from value engineering and landowner negotiations
 - Development of cost schedule for anticipated payments during construction (for financial planning)

95% Proposal

- Phase 9 – Final GDR/GBR
 - Incorporation of staff comments, hydrograph/piezometer information and finalize the GBR and GDR

95% Proposal

- Phase 10 – Reporting
 - Development of final design report, documentation of memos and design criteria compilation

100% Finalization and Bidding

- Incorporate final DSOD comments
- Potential adjustments based on Landowner Agreements
- Finalize Contract Documents
- Contractor Bid Solicitation
- Pre-Construction support until contractor Notice to Proceed

Fee Estimate - Final Design and Pre-Construction

–	95% Design	\$656,900
•	Final Design Substantial Completion	
–	<u>100% Finalization and Bidding Support (ROM)</u>	<u>\$120,000</u>
	SUBTOTAL	\$776,900

Canyon Tunnel Budget Update

Construction

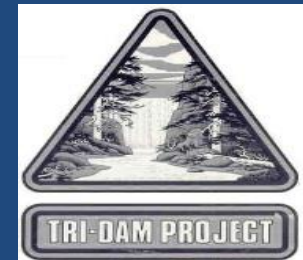
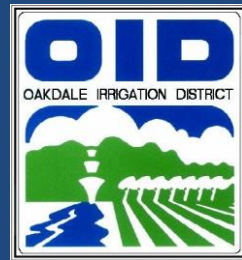
– Contractors' Work	\$67,100,000
– ROM CM and Inspection	\$7,000,000
<hr/> including CEQA Monitoring and Compliance	
SUBTOTAL	\$74,100,000
Pre-Construction Permit and Mitigation Fees	\$208,000
<hr/> including Pre-Construction Permit and DSOD Fees	
TOTAL	\$74,308,000

Project Schedule

- Project schedule (preliminary estimate)
 - 10/14/2024 Qualified contractors selected
 - **1/27/25 Out to Bid**
 - 3/24/2025 Bids due
 - 4/21/2025 Notice of Award
 - **6/2/2025 Notice to Proceed**
 - Construction **June 2025* – April 2028**
 - » Estimate based on 27 months tunnel construction duration and final water tie-in starting November 2027

* All timelines could vary depending on District authorizations, agency requirements and District funding

Questions and Comments



BOARD AGENDA REPORT

Date: May 16, 2024
Staff: Summer Nicotero

SUBJECT: Modification to the Tulloch skimmer gate drive assembly

RECOMMENDED ACTION: Consider approval of modifications to the Tulloch skimmer gate drive assembly.

BACKGROUND AND/OR HISTORY:

Tulloch Dam has one 14'x14' skimmer gate, used by operations to skim debris off the top of the reservoir. Since Tulloch stays above spill crest a majority of the time this is the only gate that can pass woody debris from the surface of the reservoir. Currently there is a motor with chain that drives the gate (picture included). It has no upper, lower or torque limits and is extremely slow. The current motor was not designed for this use and takes hours to move the gate to allow debris to clear off the reservoir. The new motor is 5 HP as opposed to the current motor at 0.5 HP. The respective quotes reflect the specs that were recommended based on the weight of the gate and the water against it. Tri Dam staff performed maintenance on the gate and found no indication of wear or issues moving along the track.

The motor was repurposed many years ago and has never been a good solution for the skimmer gate. Due to the amount of time it takes to run the gate and the lack of limits the gate is not safe to operate as it is.

We recommend replacing with an Auma actuator that will drive new gearboxes that sit on new pedestals. We have several Auma actuator assemblies at Goodwin and Beardsley that have been in operation for many years. This will take the new full stroke time to 16.7 minutes. Additionally, the new actuator will have full open and full closed limit switches as well as over torque protection for the stem and nuts.

FISCAL IMPACT: 2024 Capital Budget #27 \$50,000

ATTACHMENTS:

- Industrial Service Solutions \$38,988 plus tax and shipping
 - Integrated Process Technologies \$52,530 plus tax and shipping
 - Bay Valve Eng. Flow Systems \$56,735 plus tax and shipping
-

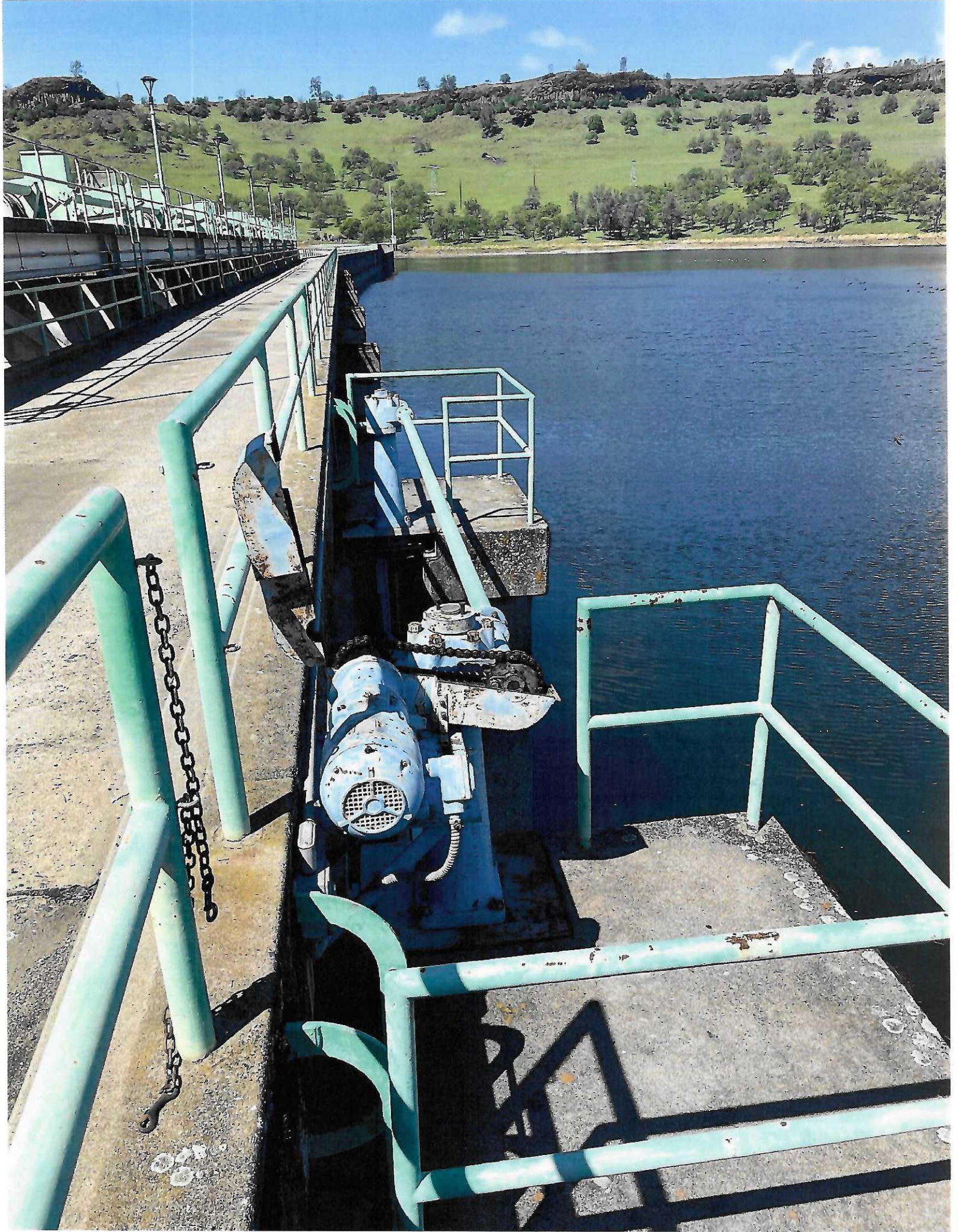
Board Motion:

Motion by: _____ **Second by:** _____

VOTE:

OID: DeBoer (Yes/No) Doornenbal (Yes/No) Orvis (Yes/No) Santos (Yes/No) Tobias (Yes/No)

SSJID: Holbrook (Yes/No) Kamper (Yes/No) Roos (Yes/No) Spyksma (Yes/No) Weststeyn (Yes/No)



3948 Teal Court
 Benicia, CA 94510
 Phone: (707) 748-7188 Fax: (707) 748-7188

QUOTATION	
Quote Number:	0027868
Quote Date:	4/3/2024
Quote Expires:	5/3/2024
Submitted By:	
Customer Number:	14-0000001
Terms:	No Terms

Sold To:

Tridam

Ship To:

 Tridam Project
 14448 Tulloch Rd
 Jamestown, CA 95327

Customer Project	Ship Via Best Way	EXW	Freight Terms	Freight Account		
Item/Description			Unit	Ordered	Price	Amount
Auma SA16.2/AC01.2 B4D Drive 30mm			EACH	1.00	10,875.00	10,875.00
Auma GK25.2 5.6:1, 30mm Input Shaft			EACH	2.00	5,510.00	11,020.00
Pedestal, 32" FA25 Base			EACH	2.00	3,150.00	6,300.00
Tandem Operating Shaft, 30mm Couplers			EACH	1.00	3,200.00	3,200.00
Operating Shaft Cover, A106, FA14 Flanges			EACH	1.00	2,650.00	2,650.00
Labor, Installation/Commissioning, Prevailing Wage			EACH	1.00	4,600.00	4,600.00
Vehicle/Mileage			EACH	1.00	343.00	343.00

This agreement is governed by ISS Terms, Conditions, and Warranties of Sale, which can be found at this website <http://2022-01-tc.iss-na.com/> and are hereby incorporated by reference. The ISS Terms, Conditions, and Warranties of Sale are also available upon written request to general.counsel@iss-na.com. The information provided within this document is confidential and / or proprietary in nature and is hereby protected from further disclosure.

Net Order:	38,988.00
Sales Tax:	0.00
Order Total:	38,988.00

*****ESTIMATE*****

**Bay Valve Service &
Engineering LLC**

**Email: Jason.P@bay-valve.com
Main: 707.748.7166
Direct: 707.752.8702**



**Attention: Daniel Hogue
Company: Tri Dam**

Email: Dhogue@TridamProject.co

Date: [3/2/2024](#)

Quote# BV6202026

<i>Item No</i>	<i>Qty</i>	<i>Description</i>	<i>Unit Price</i>	<i>Total Price</i>
1	1	Limitorque MX-85/V4 Gearbox/V4 Gearbox	\$32,725.00	\$32,725.00
2	1	Adaption components(Pedestal flanges, connector shaft, mounting hardware)	\$13,860.00	\$13,860.00
3	1	Install Labor(2 Days, 2 Technicians)	\$8,400.00	\$8,400.00
4	1	Hotel/Per Diem	\$1,750.00	\$1,750.00
			TOTAL	\$56,735.00

The following estimate terms will apply: All orders are subject to credit approval and all stock is subject to prior sale. Items are FOB shipping point unless otherwise noted. This quotation is valid for 30 days. We reserve the right to correct any errors that may be contained in this proposal, clerical or otherwise. We appreciate the opportunity to provide this quotation and look forward to assisting with your project.

Terms: NET 30

Freight: PP/A

BOARD AGENDA REPORT

Date: May 16, 2024
Staff: Summer Nicotero

SUBJECT: Beardsley Powerhouse Duplex Compressor Replacement.

RECOMMENDED ACTION: Consider approval of two Beardsley Powerhouse station air compressors and one accumulator tank.

BACKGROUND AND/OR HISTORY:

Beardsley has two station air compressors that feed one main accumulator tank and provide air to critical plant functions to include generator brakes and the unit cooling water-mixing valve. These are the original air compressors from the 1950's. Every couple of days the water must be drained from the system and this has been standard practice. The tanks and accumulator are deteriorating from the inside from the moisture and top end of the two stage compressors are worn due to age.

Staff recommends replacing these compressors and accumulator with new and add an air-dry system to add to the longevity of the new tanks, accumulator and related station air operated equipment.

Staff would like to recommend going with the Quincy Compressor quote for the proven dependability shown by 100 years in the industry, the best overall warranty and availability of parts. In the future, we would like to upgrade the remaining powerhouses to the exact same size and style compressor with hopes of standardizing replacement parts and services.

FISCAL IMPACT: 2024 Capital Budget #56 \$30,000

ATTACHMENTS:

- Jase Equipment Services quote \$30,640 including tax & shipping
- Quincy Compressor quote \$32,011 including tax & shipping
- Air Compressors Direct quote \$32,038 including tax & shipping

Board Motion:

Motion by: _____ **Second by:** _____

VOTE:

OID: DeBoer (Yes/No) Doornenbal (Yes/No) Orvis (Yes/No) Santos (Yes/No) Tobias (Yes/No)

SSJID: Holbrook (Yes/No) Kamper (Yes/No) Roos (Yes/No) Spyksma (Yes/No) Weststeyn (Yes/No)



Wednesday, March 20th 2024

Kyle Stewart
Tri-Dam Project
31885 Old Strawberry Road
Strawberry CA 95375

Dear Kyle

We are pleased to submit the following quotation in response to your recent request regarding options for a new Champion compressed air system.

Option #1: Champion HR10-12 R-Series Reciprocating Air Compressor w/ Integrated Air Dryer

- R30 Pump
- Horsepower: 10
- Voltage: 230/3PH
- Control Panel Level 1
- Air Cooled After Cooler
- Integrated Air Dryer with Bypass
- 120 Gallon Tank
- Motor Enclosure: Open Drip
- 3-Year Standard Warranty / 6-Year Premium Warranty Available

Total Price as Quoted Above for EACH

\$ 10,989.00

Option #2: Champion Advantage Series HR10-12 R-Series Reciprocating Air Compressor w/ Integrated Air Dryer

- R30 Pump
- Horsepower: 10
- Voltage: 230/3PH
- Control Panel Level 1
- 120 Gallon Tank
- Air Cooled After Cooler
- Integrated Air Dryer with Bypass
- Electronic Tank Drain
- Low Oil Stop Control
- Vibration Isolators
- Motor Enclosure: Open Drip
- 3-Year Standard Warranty / 6-Year Premium Warranty Available

Total Price as Quoted Above for EACH

\$ 11,825.22

Tri-Dam Project
Champion Air Compressor Options with Air Dryer
Page 2

Stand Alone Vertical Tank w/ Pressure Gauge and Safety Relief Valve & Final Line Filter:

1ea	400 Gallon Vertical Air Receiver, 200psi	\$ 4,472.89
1ea	Pressure Gauge/Relief Valve Kit	\$ 75.00
1ea	CFL99A Oil Removal Filter 1"	<u>\$ 371.40</u>
	Parts Total	\$ 4,918.89

**** The units quoted above will ship no charge on freight. If a lift gate delivery is required, a \$105.00 fee will apply. The above prices do not include installation or applicable sales tax. These prices are valid for 30 days.**

Thank you for this opportunity to assist you with your compressed air needs. Should you have any questions, please don't hesitate to call.

Sincerely,

Jason Koch
Jase Equipment Services
707-761-5127
Jason.Koch@jaseequipment.com



PROPOSAL FOR
TRI-DAM PROJECT
ATTN:
31885 Old Strawberry Rd
Strawberry, California 95375
PROPOSAL PROVIDED BY

PROPOSAL PREPARED BY
Jake Serven
Cell: Office: +1 9162142614
jake.serven@quincycompressor.com
PROPOSAL NUMBER
BMA-929708
DATE
February 5, 2024



MEET A LEGEND

PERFORMANCE YOU DEMAND. RELIABILITY YOU TRUST.

WITH A SOLID INDUSTRY REPUTATION, HIGH QUALITY PRODUCTS, DEDICATED EMPLOYEES, KNOWLEDGEABLE DISTRIBUTOR NETWORK AND GENERATIONS OF LOYAL CUSTOMERS, IT'S UNDENIABLE THAT QUINCY COMPRESSOR MANUFACTURES AMONGTHE WORLD'S FINEST AIR COMPRESSORS.



Established in 1920, Quincy is a leading designer and manufacturer of reciprocating and rotary screw air compressors, vacuum pumps and a full line of air treatment components.

Quincy Appears in Multiple Markets

Headquartered in Bay Minette, Alabama, Quincy serves an array of markets with a broad range of high performing products. A global network of expert channel partners provide customers with sales and service solutions designed to resolve the most difficult compressed air challenges.

Products and Services

- Rotary screw and reciprocating air compressors and vacuum pumps, ranging from one-third to 350 horsepower.
- The company supplies more than 12,000 parts and accessories and can deliver within 24 hours from its centralized warehouse.



Learn more online at www.quincycompressor.com and our video gallery at www.youtube.com/user/QuincyComp



QMF 70 ' Compressed Air Filter



Image for reference only

Technical Information:

Available Flow (Capacity):

70 CFM @ 100 PSIG

In/Out Connection:

1/2 inch NPT

Drain Type:

Float-Style Automatic

Filter Rating:

1.0 micron, 0.3 PPM, 8000 HRS

Weight:

3.7 lbs

Dimensions:

5.0 x 5.0 x 11.2 inches

Product Description:

The QMF is a micronic coalescer for general purpose removal of solid particles, water, and oil aerosol. The QMF is ISO 8573 compliant and will reduce the contamination level of the compressed air to 0.3 PPM by weight and is DOP rated at 99.999% efficient down to 1 micron.



Key Features & Benefits:

- 8000 hour elements
- 10 Year aluminum housing warranty
- Push-fit proprietary element
- Low 0.8 psi pressure loss
- Dead-stop head-to-bowl connection that ensures safe closure
- Auto float drain standard
- QMF6-15 " No Indicator
- QMF25-50 " Pop-Up Indicator
- QMF70-1500 " Differential Pressure Gauge



350 Reciprocating Air Compressor



Image for reference only

Technical Information:

Capacity (ACFM)

15.6 to 33.4

Horsepower

5 to 10

Available Pressure (PSIG)

175

Weight:

1225

Dimensions:

73 x 30 x 62

Product Description:

The legendary Quincy QR series is recognized as the toughest reciprocating compressor in the world. The Quincy QR-350 is fully pressure lubricated to all the critical surfaces and comes standard with the Safe-Q-Lube System for safety protection when oil pressure is low. Engineered for lasting performance, the Quincy QR-350 has been designed for quick and easy maintenance. The QR series provides uncompromising reliability and performance.



Key Features & Benefits:

- Features cast iron crankcase, cylinders, and head.
- Positive displacement oil pump provides constant lubrication to all critical wear areas.
- Rifle drilled, counterweighted ductile iron crankshaft reduces vibration and extends the life of the bearings and wrist pins.
- Quincy's heavy-duty, disc-type valves are efficient ; they are accessible without having to remove the cylinder head, unhooking the discharge lines, unbolting the intercoolers, or any other typical valve maintenance procedure.
- Slow speed operation requires less maintenance and produces more cfm per hp.
- Safe-Q-Lubrication lets compressor start load free for lower energy costs & less wear on motor.



QMOD00035 Compressed Air Dryer



Image for reference only

Technical Information:

Connection Size:

3/8 inch NPT

Available Flow (Capacity):

35 CFM @ 100 PSIG

Maximum Pressure:

232 PSIG

Low Delta P:

< 3 PSI

Weight:

68 lbs

Dimensions:

11.1 x 3.6 x 62.9 inches

Product Description:

The QMOD is a modular desiccant dryer that delivers clean, dry air at a pressure dew point of -40 degree F up to -100 degree F if the dryer is sized 30% larger. Small footprint and modular design make the QMOD a perfect dryer for air distribution or point of use applications.



Key Features & Benefits:

- Ship-loose 0.01 PPM prefilter and integrated afterfilter included standard
- -40 degree F dew point capable
- -100 degree F dew point capable with a desiccant cartridge change
- Quick change desiccant cartridges
- Multiple inlet/outlet ports for easy installation
- Universal voltage of 110/220 VAC and 12/24 VDC
- Pressure drop of less than 3 PSI over dryer



T400V-165 Air Receiver Tank



Image for reference only



Technical Information:

Capacity:
400 gal

Maximum Pressure:
165 PSIG

Arrangement:
Vertical

Weight:
717 lbs

Dimensions:
36 x 36 x 93 inches

Option A Summary

Quote #: BMA-929708 -

All amounts are displayed in USD

Item	Product Description	Qty	Unit Price Ea	Ext Price
1	QMF 70 ' Compressed Air Filter	1	\$320.60	\$320.60
	Max Pressure (PSIG): 232		✓	
	Automatic Float Drain		✓	
	Differential Pressure Gauge		✓	
	Die Cast Aluminum Housing		✓	
	ISO Quality		✓	
2	2014900432 - FILTER DRAIN ADAPTER, 1/4" NPT	1	\$1.98	\$1.98
3	350 Reciprocating Air Compressor	2	\$8,784.91	\$17,569.82
	Model Name: F350		✓	
	The Tank Mount Unit is built on a 120 gallon tank and powered by a 10 hp, 230/3/60, ODP, premium efficiency motor with the compressor operating at 859 rpm.		✓	
	Rated at 33.4 ACFM at 175 PSIG		✓	
	Magnetic Motor Starter Accessories - Auto-Off-Test Selector Switch		\$122.85	\$245.70
	Control Panel Type - Simplex-Magnetic Motor Starter		\$360.23	\$720.46
	Low Oil Pressure Switch		✓	
	Tank Drain - Manual/Electronic		\$217.70	\$435.40
	Aftercooler - Air Cooled With Moisture Separator/Trap		\$815.62	\$1,631.24
	Vibration Isolators - Pad		\$59.58	\$119.16
	Total	2	\$10,360.89	\$20,721.78
4	QMOD00035 Compressed Air Dryer	1	\$3,703.14	\$3,703.14
	110/220 VAC and 12/24 VDC		✓	
	Diagnostic Control Center		✓	
	Floor Mounting Brackets Standard (Models 45 and Up)		✓	
	Electronic Drain		✓	
	Polishing Pre Filter		✓	
	Quick Change Desiccant Cartridge		✓	
	Integral After Filter		✓	
	Max Pressure: null psig		✓	
	-40 and -100 Degree F Dewpoint		✓	

5	T400V-165 Air Receiver Tank	1	\$2,288.88	\$2,288.88
	Capacity: 400 gal		✓	
	Maximum Pressure: 165 PSIG		✓	
	Arrangement: Vertical		✓	
6	2013100934 - Pressure Relief Valve and Gauge Kit	1	\$195.84	\$195.84
7	factory start up and warranty Commissioning	1	\$750.00	\$750.00

Total for Option A: \$27,982.22

Plus applicable sales taxes and freight

Lead Time : TBD
 Payment Terms : NET 30
 FOB : Bay Minette, AL
 Freight Terms : Prepay & Add

QMF 70 ' Compressed Air Filter



Image for reference only

Technical Information:

Available Flow (Capacity):

70 CFM @ 100 PSIG

In/Out Connection:

1/2 inch NPT

Drain Type:

Float-Style Automatic

Filter Rating:

1.0 micron, 0.3 PPM, 8000 HRS

Weight:

3.7 lbs

Dimensions:

5.0 x 5.0 x 11.2 inches

Product Description:

The QMF is a micronic coalescer for general purpose removal of solid particles, water, and oil aerosol. The QMF is ISO 8573 compliant and will reduce the contamination level of the compressed air to 0.3 PPM by weight and is DOP rated at 99.999% efficient down to 1 micron.



Key Features & Benefits:

- 8000 hour elements
- 10 Year aluminum housing warranty
- Push-fit proprietary element
- Low 0.8 psi pressure loss
- Dead-stop head-to-bowl connection that ensures safe closure
- Auto float drain standard
- QMF6-15 â€" No Indicator
- QMF25-50 â€" Pop-Up Indicator
- QMF70-1500 â€" Differential Pressure Gauge



QMOD00035 Compressed Air Dryer



Image for reference only

Technical Information:

Connection Size:

3/8 inch NPT

Available Flow (Capacity):

35 CFM @ 100 PSIG

Maximum Pressure:

232 PSIG

Low Delta P:

< 3 PSI

Weight:

68 lbs

Dimensions:

11.1 x 3.6 x 62.9 inches

Product Description:

The QMOD is a modular desiccant dryer that delivers clean, dry air at a pressure dew point of -40 degree F up to -100 degree F if the dryer is sized 30% larger. Small footprint and modular design make the QMOD a perfect dryer for air distribution or point of use applications.



Key Features & Benefits:

- Ship-loose 0.01 PPM prefilter and integrated afterfilter included standard
- -40 degree F dew point capable
- -100 degree F dew point capable with a desiccant cartridge change
- Quick change desiccant cartridges
- Multiple inlet/outlet ports for easy installation
- Universal voltage of 110/220 VAC and 12/24 VDC
- Pressure drop of less than 3 PSI over dryer



QP-15* Reciprocating Air Compressor



Image for reference only

Technical Information:

Available Flow (Capacity):

51

Maximum Pressure:

175

Weight:

Dimensions:

Product Description:

The Quincy QP series is designed for tougher 175 PSI applications where traditional splash lubrication just won't measure up. The QP heavy-duty cast-iron compressor has an oil pump for pressure lubrication to the crankshaft, bearings and connecting rod up to the wrist pins. Coupled with an attractive price, QP balances cost effectiveness with longer life to maximize your investment.



Key Features & Benefits:

-Oil filter and gauge for better filtration -Fully pressure lubricated system allows smooth continuous operation without excessive stresses



T400V-165 Air Receiver Tank



Image for reference only



Technical Information:

Capacity:
400 gal

Maximum Pressure:
165 PSIG

Arrangement:
Vertical

Weight:
717 lbs

Dimensions:
36 x 36 x 93 inches

Option B Summary

Quote #: BMA-929708 -

All amounts are displayed in USD

Item	Product Description	Qty	Unit Price Ea	Ext Price
1	QMF 70 ' Compressed Air Filter	1	\$320.60	\$320.60
	Max Pressure (PSIG): 232		✓	
	Automatic Float Drain		✓	
	Differential Pressure Gauge		✓	
	Die Cast Aluminum Housing		✓	
	ISO Quality		✓	
2	2014900432 - FILTER DRAIN ADAPTER, 1/4" NPT	1	\$1.98	\$1.98
3	QMOD00035 Compressed Air Dryer	1	\$3,703.14	\$3,703.14
	110/220 VAC and 12/24 VDC		✓	
	Diagnostic Control Center		✓	
	Floor Mounting Brackets Standard (Models 45 and Up)		✓	
	Electronic Drain		✓	
	Polishing Pre Filter		✓	
	Quick Change Desiccant Cartridge		✓	
	Integral After Filter		✓	
	Max Pressure: null psig		✓	
	-40 and -100 Degree F Dewpoint		✓	
4	T400V-165 Air Receiver Tank	1	\$2,288.88	\$2,288.88
	Capacity: 400 gal		✓	
	Maximum Pressure: 165 PSIG		✓	
	Arrangement: Vertical		✓	
5	2013100934 - Pressure Relief Valve and Gauge Kit	1	\$195.84	\$195.84
6	QP-15* Reciprocating Air Compressor	2	\$8,023.07	\$16,046.14
	Two Stage Piston Compressor		✓	
	Package: Configured		✓	
	Voltage: 230/3/60		✓	
	Tank Size: Horizontal Non-Pedestal 120		✓	
	Unit Configuration: Simplex		✓	
	Motor Overload Protection		✓	
	Control Mode: Start/Stop		✓	

7	2022163614 - EWK-8 QP-15 Pro/Max Maint Kit-No Bull Warranty	1	\$372.16	\$372.16
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Total for Option B: \$22,928.74

Plus applicable sales taxes and freight

Lead Time : TBD
Payment Terms : NET 30
FOB : Bay Minette, AL
Freight Terms : Prepay & Add

Terms & Conditions of Sale (Products)

1. General. "Unless otherwise expressly agreed in writing by a duly authorized representative of Quincy Compressor LLC ("Quincy") these terms and conditions supersede all other communications and agreements and notwithstanding any conflicting or different terms and conditions in any order or acceptance of Purchaser, all sales and shipments shall exclusively be governed by these terms and conditions. When used herein "affiliates" shall mean QuincyAB and its wholly-owned subsidiaries. Section headings are for purposes of convenience only. "Products" as used herein shall include products, parts and accessories furnished Purchaser by Quincy.

2. DELIVERY – Unless otherwise agreed in writing, Products manufactured, assembled or warehoused in the continental United States are delivered F.O.B. shipping point, and Products shipped from outside the continental United States are delivered F.O.B. point of entry. Where the scheduled delivery of Products is delayed by Purchaser, Quincy may deliver such Products by moving it to storage for the account of and at the risk of Purchaser. Shipping dates are approximate and are based upon prompt receipt of all necessary information and approvals from Purchaser. Quincy reserves the right to make delivery installments.

3. SECURITY AND RISK OF LOSS - Upon request from Quincy, Purchaser agrees to execute a security agreement covering the Products sold or other assets and to perform all acts which may be necessary to perfect and assure a security position of Quincy. Notwithstanding any agreement with respect to delivery terms or payment of transportation charges, the risk of loss or damage shall pass to Purchaser and delivery shall be deemed to be complete upon delivery to a private or common carrier or upon moving into storage, whichever occurs first, at the point of shipment for Products assembled, manufactured or warehoused in the continental United States or at the point of entry for Products shipped from outside the continental United States.

4. PAYMENT – If Purchaser fails to pay any invoice when due, Quincy may defer deliveries under this or any other contract with Purchaser, except upon receipt of satisfactory security for or cash in payment of any such invoice.

A service charge of the lesser of 1% per month or the highest rate permitted by applicable law shall be charged on all overdue accounts. Failure on the part of Purchaser to pay invoices when due shall, at the option of Quincy, constitute a default in addition to all other remedies Quincy may have under these conditions of sale or applicable law. If, in the judgment of Quincy, the financial condition of Purchaser at any time prior to delivery does not justify the terms of payment specified, Quincy may require payment in advance or cancel any outstanding order, whereupon Quincy shall be entitled to receive reasonable cancellation charges. If delivery is delayed by Purchaser, payment shall become due on the date Quincy is prepared to make delivery. Should manufacture be delayed by Purchaser, pro rata payments shall become due if and to the extent required at Quincy by its contracts with the manufacturer. All installment deliveries shall be separately invoiced and paid for without regard to subsequent deliveries. Delays in delivery or non-conformities in any installment shall not relieve Purchaser of its obligations to accept any pay for remaining installments.

5. FORCE MAJEURE – Quincy shall not be liable for loss, damage, detention, or delay, nor be deemed to be in default from causes beyond its reasonable control or from fire, strike or other concerted action of workmen, act or omission of any governmental authority or of Purchaser, compliance with import or export regulations, insurrection or riot, embargo, delays or shortages in transportation, or inability to obtain necessary engineering talent, labor, materials, or manufacturing facilities from usual sources. In the event of delay due to any such cause, the date of delivery will be postponed by such length of time as may be reasonably necessary to compensate for the delay.

6. NEW PRODUCT WARRANTY – Quincy warrants to the Purchaser that all stationary compressors, portable compressors, compressed air dryers, Quincy-designed compressor parts and other Products manufactured by Quincy and affiliates shall be free of defects in design, material and workmanship for a period of fifteen (15) months from date of shipment to Purchaser, or twelve (12) months from date of initial start-up, whichever occurs first.

Should any failure to conform with this warranty appear prior to or after shipment of the Product to Purchaser during the specified periods under normal and proper use and provided the Product has been properly stored, installed, handled and maintained by the Purchaser, Quincy shall, if given prompt notice by Purchaser, repair or replace, the non-conforming Product or authorize repair or replacement by the Purchaser at Quincy's expense.

Replaced Products become the property of Quincy.

Quincy warrants Products or parts thereof repaired or replaced pursuant to the above warranty under normal and proper use, storage, handling, installation, and maintenance, against defects in design, workmanship and material for a period of thirty (30) days from date of start-up of such repaired or replaced Products or parts thereof or the expiration of the original Product warranty, whichever is longer.

When the nature of the defect is such that it is appropriate in the judgment of Quincy to do so, repairs will be made at the site of the Product. Repair or replacement under applicable warranty shall be made at no charge for replacement parts, F.O.B. Quincy Warehouse, warranty labor, serviceman transportation and living costs, when work is performed during normal working hours (8 a.m. to 4:30 p.m. Monday through Friday, exclusive of holidays). Labor performed at other times will be billed at the overtime rate then prevailing for services of Quincy personnel.

The Quincy warranty does not extend to Products not manufactured by Quincy or affiliates. As to such Products, Purchaser shall be entitled to proceed only upon the terms of that particular manufacturer's warranty. The Quincy warranty does not apply to defects in material provided by Purchaser or to design stipulated by Purchaser.

Used Products, Products not manufactured by Quincy or affiliates and Products excluded from the above warranties are sold AS IS with no representation or warranty, and ALL WARRANTIES OF QUALITY, WRITTEN, ORAL, OR IMPLIED, other than may be expressly agreed to by Quincy in writing, INCLUDING WITHOUT LIMITATION WARRANTIES OF MERCHANTABILITY OR FITNESS, ARE HEREBY DISCLAIMED.

Any services performed by Quincy in connection with the sale, installation, servicing or repair of a Product are warranted to be performed in a workmanlike manner. If any nonconformity with this warranty appears within 45 days after the services are performed, the exclusive obligation of Quincy shall be to re-perform the services in a conforming manner.

THE FOREGOING WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES OF QUALITY, WRITTEN, ORAL OR IMPLIED, AND ALL OTHER WARRANTIES, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY OR FITNESS ARE HEREBY DISCLAIMED. Correction of nonconformities as provided above shall be Purchaser's exclusive remedy and shall constitute fulfillment of all liabilities of Quincy (including any liability for direct, indirect, special, incidental or consequential damage) whether in warranty, strict liability, contract, tort, negligence, or otherwise with respect to the quality of or any defect in Products or associated services delivered or performed hereunder.

7. LIMITATION OF LIABILITY – IN NO EVENT SHALL QUINCY BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, however arising, whether in warranty, strict liability, contract, tort, negligence or otherwise, including but not limited to loss of profits or revenue, loss of total or partial use of the Products or facilities or services, downtime cost, or claims of the Purchaser for such or other damages whether on account of Products furnished hereunder or delays in delivery thereof or services performed upon or with respect to such Products. Quincy's liability on any claim whether in warranty, strict liability, contract, tort, negligence or otherwise for any loss or damage arising out of, connected with, or resulting from this contract or the performance or breach thereof, or from the design, manufacture, sale, delivery, resale, repair, replacement, installation, technical direction of installation, inspection, servicing, operation or use of any Product covered by or furnished under this contract shall in no case (except as provided in the section entitled "Patent Indemnity") exceed the purchase price allocable to the Product or Part thereof which gives rise to the claim.

All causes of action against Quincy arising out of or relating to this contract or the performance hereof shall expire unless brought within one year of time of accrual thereof.

8. PRICES – Prices to the Purchaser shall be the Quincy list price in effect at time of order. Quincy may, upon thirty (30) days prior written notice to Purchaser, change prices, or other terms of sale affecting the Products, by issuing new price schedules, bulletins or other notices.

This contract applies to new Products only. Purchases of used equipment shall be on terms to be agreed upon at time of sale to Purchaser.

This price does not include any Federal, state or local property, license, privilege, sales, service use, excise, value added, gross receipts, or other like taxes which may now or hereafter by applicable to, measured by or imposed upon or with respect to this transaction, the property, its purchase, sale, replacement, value, or use, or any services performed in connection therewith. Purchaser agrees to pay or reimburse Quincy, its subcontractors or suppliers any such taxes, which Quincy, its subcontractors or suppliers are required to pay or collect or which are required to be withheld by Purchaser.

The price shall also be subject to adjustment in accordance with the published Price Adjustment Clauses, which price adjustment information shall supersede the terms of this Section 8, where inconsistent herewith.

9. INFORMATION FURNISHED PURCHASER – Any design, manufacturing drawings or other information or materials submitted to the Purchaser and not intended for dissemination by Purchaser remain the exclusive property of Quincy and may not, without its consent, be copied or communicated to a third party.

10. PATENT INDEMNITY – Quincy shall at its own expense defend any suits or proceedings brought against purchaser insofar as based on an allegation that Products furnished hereunder constitute an infringement of any claim of any patent of the United States of America, other than a claim covering a process performed by said Products or a product produced by said Product, provided that such Products are manufactured by Quincy, are not supplied according to Purchaser's detailed design, are used as sold by Quincy. Purchaser shall have made all payments then due hereunder, and Quincy is notified promptly in writing and given authority, information and assistance for the defense of said suite or proceeding; and Quincy shall pay all damages and costs awarded in any suit or proceeding so defended, provided that his indemnity shall not extend to any infringement based upon the combination of said Products or any portion thereof with other Products or things not furnished hereunder unless Quincy is a contributory infringer. Quincy shall not be responsible for any settlement of such suit or proceeding made without its written consent. If in any suit or proceeding defended hereunder any Product is held to constitute infringement, and its use is enjoined, Quincy shall, at its option and its own expense, either replace said Products with non-infringing Products; or modify them so that they become non-infringing; or remove them and refund the purchase price and the transportation costs thereof. THE FOREGOING STATES THE ENTIRE LIABILITY OF QUINCY AND AFFILIATES WITH RESPECT TO PATENT INFRINGEMENT.



To the extent that said Products or any portion thereof are supplied according to Purchaser's detailed design or instructions, or modified by Purchaser, or combined by Purchaser with equipment or things not furnished hereunder, except to the extent that Quincy is a contributory infringer, or are used by Purchaser to perform a process, or produce a product, and by reason of said design, instructions, modification, combination, performance or production, a suit or proceeding is brought against Quincy, Purchaser agrees to indemnify Quincy in the manner and to the extent Quincy indemnities Purchaser in this Section 10 insofar as the terms hereof are appropriate.

- 11. ASSIGNMENT – Any assignment of this contract or any rights hereunder, without prior written consent of Quincy by a duly authorized representative thereof shall be void.
- 12. TERMINATION – Any order or contract may be cancelled by Purchaser only upon payment of reasonable charges (including an allowance for profit) based upon costs and expenses incurred, and commitments made by Quincy.
- 13. PARTIAL INVALIDITY – If any provision herein or portion thereof shall for any reason be held invalid or unenforceable, such invalidity or enforceability shall not affect any other provision or portion thereof, but these conditions shall be construed as if such invalid or unenforceable provision or portion thereof had never been contained therein.
- 14. REMEDIES – The remedies expressly provided for in these conditions shall be in addition to any other remedies, which Quincy may have under the Uniform Commercial Code or other applicable law.

NOTE: Sale of the equipment or services described or referred to herein at the price indicated is expressly conditioned upon the terms and conditions set forth on the front and back of this page. Any confirmatory action by the Purchaser hereunder, or any acceptance of such equipment or services, shall constitute assent to said terms and conditions. Any additional or different terms or conditions set forth in the Purchaser's order or other communications are objected to by Seller and shall not be effective or binding unless assented to in writing by an authorized representative of Seller.

15. Payment. If Buyer fails to pay any invoice when due, Seller may defer deliveries under this or any other contract with Buyer, except upon receipt of satisfactory security for or cash in payment of any such invoice. Invoices shall be paid in full and Buyer shall not be entitled to deduct, set-off or to withhold payment. Amounts past due shall bear interest at the lower of the maximum rate allowed by law or one and a half percent (1.5%) per month. Failure on the part of Buyer to pay invoices when due shall, at the option of Seller, constitute a default in addition to all other remedies Seller may have under these Terms and Conditions of Sale, applicable law, and/or in equity. If, in the judgment of Seller, the financial condition of Buyer at any time prior to delivery does not justify the terms of payment specified, Seller may require payment in advance or cancel any outstanding order, whereupon Seller shall be entitled to receive reasonable cancellation charges. If Buyer delays shipment, payments based on date of shipment shall become due as of the date when ready for shipment. If Buyer delays completion of manufacture, Seller may elect to require payment according to percentage of completion. Equipment held for Buyer shall be at Buyer's risk and storage charges may be applied at the discretion of Seller. For orders under \$100,000 the payment terms shall be Net 30 days from date of shipment.

For orders over \$100,000 or with lead times greater than six months, the following payment schedule shall apply:

- a. 30% of order value 30 days from date of Buyer's purchase order or upon drawing approval.
- b. 30% of order value after passage of 1/2 of the time from date of Buyer's order to the originally scheduled delivery to carrier.
- c. 40% of order value, net 30 days from date of delivery to carrier.

Seller expressly reserves the right to cease all work on the order if payment is not received in accordance with the payment schedule.

16. Cancellation. 16.1. Each party shall have the right to cancel the order in whole or in part (with immediate effect upon writing or at a later time at the non-breaching party's discretion) if the other party becomes insolvent, makes a general assignment for the benefit of creditors, suffers or permits the appointment of a receiver for its business or assets, becomes subject to any proceeding under any bankruptcy or insolvency law, or has wound up or liquidated (voluntarily or otherwise). In addition, each party shall have the right to cancel the order in whole or in part if the other party fails, within 30 days after receipt of written notice from the non-breaching party specifying the material breach and intent to terminate, to commence and diligently pursue cure of the breach. Notwithstanding anything else, it is acknowledged that Seller may suspend Seller's performance in whole or in part immediately if Buyer fails to make any payments when due.

16.2. Unless Buyer's cancellation is made pursuant to Section 16.1 above, Buyer shall have no right to cancel a Product order (or a part of the order) unless Seller, at its sole discretion, agrees in writing that the order (or the part of the order) may be cancelled and Buyer pays cancellation fees in accordance with this Section 16.2. Unless different cancellation fees are specifically agreed to in a Seller-signed cancellation authorization document for the specific Product being cancelled, the cancellation fees shall be as follows:

Cancellation Fees

Orders for engineered Products

A) Prior to release for manufacturing:

*10% of optional equipment or purchased materials will be charged (including special components including, but not limited to, motors, controls, etc.)

B) After production has started:

*40% of optional equipment or purchased materials will be charged (including special components including, but not limited to, motors, controls, etc.)

*10% of base Product price

C) After production has been completed:

100% of optional equipment or purchased materials will be charged (including special components including, but not limited to, motors, controls, etc.)

*20% of Product base price

Orders for standard Products

A) After production has started:

*10% of base Product price

B) After production has been completed:

*20% of Product price

Accepted by: _____

Date: ____/____/____

PO#: _____

Trade Compliance Clause

Any quotation is legally binding upon us only after you have received a written acceptance from us of any order from you based on that quotation and we can at any point in time withdraw our quotation.

By placing the order you certify that the order will not be used for any purpose connected with chemical, biological or nuclear weapons, or missiles capable of delivering such weapons, nor any other purpose prohibited by applicable law.

Furthermore, you certify that you will comply with applicable local and international foreign trade and customs requirements or any embargos or other sanctions.

You will immediately notify us in writing of any breach of this statement.

We shall not be obligated to fulfill a binding order or agreement or any part thereof or related to it, nor liable for its non-fulfillment, if such fulfillment is prevented by any impediments arising out of applicable local and/or international foreign trade and customs requirements or any embargos or other sanctions.

We shall have the right to terminate a binding order or agreement or any part thereof or related to it, with immediate effect and without prior notice, if fulfillment is prevented by any impediments arising out of applicable local or international foreign trade and customs requirements or any embargos or other sanctions.

The customer shall indemnify us for any direct or indirect damages arising in consequence of any breach of this statement



Shopping Cart (5 Items)

Item

Quantity

Price

The Following Product(s) Will Ship Via Standard Shipping



Quincy 1/2" High-Efficiency Coalescing Compressed Air Filter (70 CFM)

Model: **QCF-70**

1

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\$389.00

Standard Shipping

More On The Way Estimated Availability April 15, 2024

The Following Product(s) Will Ship Via Freight Shipping



Atlas Copco LV500-200 500-Gallon Vertical Air Receiver (200 PSI)

Model: **1280566584**

1

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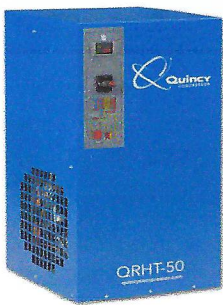
\$6,232.00

Freight Shipping



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Chat with an Expert

Ships in 4-6 Weeks



**Quincy QRHT 50 1"
High Temperature
Non-Cycling
Refrigerated Air Dryer
(50 CFM) (115V 1-
Phase)**

Model: **4102001906**

Lift Gate Service

No, We Can Handle It Ourselves

1

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Save for later

\$3,499.99

Freight Shipping

Ships in 4-6 Weeks



**Quincy QP MAX 10-HP
120-Gallon Pressure
Lubricated Two-Stage
Air Compressor (230V
3-Phase)**

Model:

5103D12HCA23M

Lift Gate Service

No, We Can Handle It Ourselves

2

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\$16,999.98

(\$8,499.99 each)

Freight Shipping

Ships in 12-16 Weeks

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Please Choose Which Freight Shipping Option You Would Like

Standard Freight Shipping: 4 - 7 Business Days

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[Proceed to Checkout](#)

 [Email Cart](#)

Order Summary (5 Items)

Sub-Total	\$27,120.97
Estimated Shipping	\$0.00
Estimated Tax	\$1,966.27
Shipping & Tax for SONORA, CA	▼
Remote Area Fee	\$50.00

[Tax Exempt Purchases](#)

Total **\$29,137.24**

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BOARD AGENDA REPORT

Date: May 16, 2024
Staff: Summer Nicotero

SUBJECT: Designate the date of one Tri-Dam Project regular meeting in Strawberry.

RECOMMENDED ACTION: Consider designating the date of one Tri-Dam Project regular meeting in Strawberry.

BACKGROUND AND/OR HISTORY:

Each year we typically hold one Board meeting in Strawberry. This is authorized pursuant to Water Code 21377.5: which would permit Tri-Dam to conduct up to four regular board meetings annually at the Tri-Dam Project office located in Strawberry, California.

Listed below are upcoming meeting date options.

June 20, 2024

July 18, 2024

August 15, 2024

FISCAL IMPACT: None

ATTACHMENTS: None

Board Motion:

Motion by: _____ **Second by:** _____

VOTE:

OID: DeBoer (Yes/No) Doornenbal (Yes/No) Orvis (Yes/No) Santos (Yes/No) Tobias (Yes/No)

SSJID: Holbrook (Yes/No) Kamper (Yes/No) Roos (Yes/No) Spyksma (Yes/No) Weststeyn (Yes/No)

GENERAL MANAGER BOARD REPORT

Summer Nicotero

May 16, 2024

1. The Hells Half Acre road repair project has officially kicked off. Construction started this week with an expected completion date in late July. Crews have removed trees and will begin mobilizing equipment next week.
2. FERC annual dam inspections are set for the last week of May. Staff is busy preparing for the visit and hopes to have a positive outcome, similar to last year. In addition, DSOD will be inspecting Donnells next week. It is the season for inspections and compliance!
3. Tracey is taking on the shoreline erosion project and will continue the work Justin had started to ensure we secure all the appropriate permits from the State. So far, all has gone well and we expect to begin work with the next drawdown.
4. I am working with Provost and Pritchard on the Sandbar Power Pole bid package. We are hopeful that this work will go out to bid in the coming weeks. We will also be bidding out an independent third party to inspect the work as it is being done.
5. The onsite annual audit is complete with nothing to report to date. The draft financials are in process and will be presented at the June board meeting. Once again, I need to express gratitude for the support from Sharon Cisneros. She not only prepared all of the audit lead sheets and supporting documents, tied out the balance sheet, booked year end entries, etc. she also came up to Strawberry and worked with the auditors the entire time they were here. Thank you to Scot and the OID team for their flexibility and to Sharon for endless hours of accounting fun.
6. Donnells has begun to spill and Beardsley is soon to follow. We don't expect to spill for an extended period of time this year.
7. IBEW 1245 negotiations continue. The contract is set to expire on May 31, 2024 and all parties are working to form an agreement as close to that date as possible.
8. The next Advisory Committee meeting would be scheduled for Monday, June 3, 2024, at 1 pm at the SSJID office. I have a conflict with this date and would like to discuss rescheduling.

OPERATIONS BOARD REPORT
May 16, 2024

OPERATIONS:

Reservoir Data (A/F):

FACILITY	STORAGE	MONTH CHANGE
Donnells	50,067	39,797
Beardsley	70,002	23,147
Tulloch	58,986	1,194
New Melones	2,056,026	48,148

Outages:

Plant	Dates	Duration	Cause
Donnells	4/4	00:59 hrs	PGE line disturbance
	4/5	01:15 hrs	PGE line disturbance
Beardsley	4/4-4/5	20:38 hrs	PGE line disturbance Governor controls
Sandbar	4/4	04:13 hrs	PGE line disturbance
	4/5	03:10 hrs	PGE line disturbance

Operations Report:

New Melones Inflows:

Total inflows for water year 23/24 as of April 30: 572,740 A/F.

District Usage:

Total District usage for the water year 23/24 as of April 30: 89,523 A/F.

Precipitation:

Total precipitation for the month of April: 3.08 inches.

Other Activities:

1. Daily checks all powerhouses.
2. Performed DSOD inspection of Goodwin Dam.
3. Increased Beardsley outflow from 600 to 650cfs.
4. Provided a tour of Tulloch for Ripon Christian High School.
5. Spring pulse in progress for the Stanislaus River below Goodwin.

BEARDSLEY PRECIPITATION

YEAR	JUL	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
1958-59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.40	1.39	1.40	1.04	0.00	11.23
1959-60	0.00	0.03	3.09	0.00	0.00	1.92	5.74	8.38	4.68	2.45	0.35	0.00	26.64
1960-61	0.05	0.00	0.44	0.63	5.33	2.43	1.60	3.04	4.96	1.49	1.84	0.29	22.10
1961-62	0.21	1.12	0.77	0.70	3.39	2.98	2.04	15.32	6.13	1.12	1.04	0.02	34.84
1962-63	0.30	0.16	0.35	2.98	1.05	2.66	5.91	8.37	6.08	8.24	3.70	0.74	40.54
1963-64	0.00	0.44	0.59	2.63	7.81	0.81	5.84	0.21	3.02	2.01	2.44	1.64	27.44
1964-65	0.00	0.00	0.34	2.08	7.40	17.93	5.90	1.34	2.44	5.27	0.32	0.29	43.31
1965-66	0.00	1.47	0.60	0.47	12.38	4.59	1.68	2.33	1.00	2.39	0.43	0.10	27.44
1966-67	0.13	0.00	0.28	0.00	7.55	8.48	8.77	0.67	10.02	10.25	2.04	1.05	49.24
1967-68	0.00	0.39	0.90	0.54	2.47	3.35	4.94	4.81	3.48	0.73	1.44	0.02	23.07
1968-69	0.10	0.65	0.00	2.12	6.22	8.28	19.45	8.35	1.88	3.39	0.21	0.39	51.04
1969-70	0.00	0.00	0.55	3.41	2.98	6.46	17.06	3.11	3.43	2.50	0.00	3.17	42.67
1970-71	0.00	0.00	0.00	0.91	10.71	8.44	2.83	1.16	4.87	1.49	1.80	0.77	32.98
1971-72	0.00	0.02	0.29	1.22	6.22	10.31	2.39	2.78	1.01	4.03	0.10	1.62	29.99
1972-73	0.00	0.58	0.17	1.85	6.27	5.57	12.08	12.06	5.31	1.11	0.72	0.74	46.46
1973-74	0.05	0.18	0.07	3.65	9.88	9.10	5.08	1.84	8.18	5.15	0.02	0.07	43.27
1974-75	2.57	0.10	0.00	2.82	2.38	4.95	4.25	10.16	9.90	5.41	0.84	0.63	44.01
1975-76	0.03	2.02	0.15	6.75	2.04	0.74	0.49	3.03	2.66	2.42	0.91	0.05	21.29
1976-77	0.10	2.43	1.00	0.93	1.54	0.24	2.50	2.68	2.06	0.25	4.65	0.38	18.76 RECORD LOW
1977-78	0.00	0.00	0.58	0.24	4.76	9.72	10.85	8.31	8.67	7.97	0.19	0.23	51.52
1978-79	0.08	0.00	3.98	0.07	3.17	4.43	8.45	7.60	6.05	1.86	2.88	0.02	38.59
1979-80	0.17	0.03	0.00	4.66	4.63	5.22	14.62	13.03	3.61	3.09	4.33	0.77	54.16
1980-81	0.43	0.02	0.03	0.71	0.58	3.04	8.05	2.69	6.26	1.67	1.42	0.00	24.90
1981-82	0.06	0.00	0.15	5.27	8.76	8.39	6.08	8.08	11.23	8.19	0.12	1.34	57.67
1982-83	0.03	0.02	4.02	8.78	11.30	7.32	10.83	14.34	12.86	6.29	0.74	0.12	76.65 RECORD HIGH
1983-84	0.01	0.09	3.86	1.35	16.44	12.75	0.27	5.51	3.56	2.70	0.84	1.31	48.69
1984-85	0.00	0.05	0.73	3.97	10.28	2.58	1.52	3.13	5.84	0.86	0.07	0.28	29.31
1985-86	0.30	0.12	2.64	3.09	7.71	4.52	4.70	21.98	8.43	2.37	1.58	0.00	57.44
1986-87	0.02	0.00	2.18	0.00	0.49	0.73	3.42	5.89	5.21	0.79	1.63	0.15	20.51
1987-88	0.00	0.00	0.00	2.19	2.22	5.79	5.42	0.88	0.73	3.15	1.66	0.79	22.83
1988-89	0.00	0.00	0.05	0.07	6.96	4.29	1.45	2.73	10.08	1.41	0.74	0.02	27.80
1989-90	0.00	0.33	3.28	4.30	3.02	0.00	4.75	3.40	2.75	1.66	3.46	0.21	27.16
1990-91	0.00	0.11	0.59	0.41	1.62	1.30	0.40	1.79	16.08	1.74	2.54	1.54	28.12
1991-92	0.17	0.10	0.32	5.54	2.32	3.10	1.97	7.68	4.58	0.45	0.45	1.66	28.34
1992-93	3.26	0.35	0.00	3.05	0.44	9.61	12.19	8.74	6.29	2.07	1.24	2.43	49.67
1993-94	0.00	0.00	0.00	1.25	2.11	1.97	2.93	7.08	0.86	3.71	2.22	0.00	22.13
1994-95	0.00	0.00	0.77	2.82	7.92	3.68	18.32	1.14	18.76	6.98	6.72	1.02	68.13
1995-96	0.05	0.00	0.00	0.00	0.35	9.13	10.32	11.17	6.81	3.94	5.51	1.24	48.52
1996-97	0.05	0.01	0.23	2.55	7.14	16.19	18.16	0.80	0.53	0.82	0.51	1.24	48.23
1997-98	0.17	0.00	0.33	1.39	4.99	3.70	12.86	16.30	6.69	4.94	6.46	1.35	59.18
1998-99	0.00	0.00	2.84	0.49	5.12	3.13	8.93	9.71	2.63	3.03	1.28	1.03	38.19
1999-00	0.00	0.13	0.18	1.05	3.51	0.51	11.68	14.13	2.58	3.70	2.72	1.06	41.25
2000-01	0.00	0.07	0.96	3.17	1.01	1.59	4.69	4.70	3.08	5.39	0.00	0.07	24.73
2001-02	0.02	0.00	0.60	1.17	6.97	9.75	2.56	2.13	6.88	2.29	2.02	0.00	34.39
2002-03	0.00	0.00	0.09	0.00	7.42	11.17	1.12	3.50	3.81	9.36	2.69	0.00	39.16
2003-04	0.09	1.32	0.06	0.00	2.88	9.97	2.79	8.52	1.07	0.17	0.55	0.02	27.44
2004-05	0.02	0.00	0.19	7.66	2.93	6.67	10.52	6.95	9.35	3.35	5.76	0.80	54.20
2005-06	0.00	0.11	0.71	1.70	3.34	17.72	7.75	5.26	10.14	10.55	1.97	0.10	59.35
2006-07	0.08	0.00	0.01	1.53	3.56	5.25	2.08	8.70	1.30	2.61	1.33	0.10	26.55
2007-08	0.01	0.17	0.34	1.02	0.95	5.01	10.15	6.69	0.87	0.26	2.85	0.00	28.32
2008-09	0.00	0.00	0.00	1.65	6.17	5.08	5.88	6.98	6.78	1.97	3.37	0.79	38.67
2009-10	0.00	0.10	0.00	4.37	1.31	5.89	7.97	5.86	4.92	6.66	3.65	0.06	40.79
2010-11	0.00	0.00	0.00	8.67	7.15	14.21	2.15	5.76	15.22	1.94	2.94	3.21	61.25
2011-12	0.00	0.00	1.56	3.13	1.77	0.00	6.25	1.62	5.96	4.76	0.37	0.92	26.34
2012-13	0.00	0.00	0.00	1.27	5.78	12.56	0.64	0.93	3.26	1.11	1.48	0.80	27.83
2013-14	0.00	0.00	0.72	0.56	1.80	1.22	1.59	9.23	6.17	3.43	0.98	0.05	25.75
2014-15	0.52	0.03	1.03	0.15	3.72	7.25	0.13	4.49	0.43	3.08	2.75	0.80	24.38
2015-16	0.39	0.00	0.11	2.26	5.36	9.74	9.53	1.74	9.19	3.13	1.82	0.34	43.61
2016-17	0.00	0.00	0.00	7.26	3.19	8.30	22.25	20.47	5.49	8.06	0.59	0.46	76.07
2017-18	0.00	0.09	1.44	0.50	7.34	0.42	5.20	0.76	14.50	3.70	1.02	0.00	34.97
2018-19	0.00	0.00	0.00	1.92	8.21	3.07	9.84	15.37	8.97	2.07	7.43	0.46	57.34
2019-20	0.00	0.00	0.63	0.00	1.39	10.58	2.09	0.08	7.50	3.87	3.09	0.33	29.56
2020-21	0.00	0.23	0.10	0.00	2.38	3.40	7.28	2.44	2.83	1.31	0.18	0.00	20.15
2021-22	0.09	0.00	0.18	7.51	0.95	13.37	0.04	0.36	0.96	4.14	0.39	0.31	28.30
2022-23	0.00	0.29	2.27	0.02	3.83	12.65	21.85	5.43	15.48	0.22	1.12	1.10	64.26
2023-24	0.00	1.27	1.51	0.25	2.64	3.16	6.69	10.49	8.71	3.08	0.00	0.00	37.80 Current Year
Average	0.15	0.21	0.74	2.23	4.70	6.18	6.74	6.15	5.88	3.38	1.88	0.63	38.87
2023-24 +/-	(0.15)	1.06	0.77	(1.98)	(2.06)	(3.02)	(0.05)	4.34	2.83	(0.30)	(1.88)	(0.63)	(1.07)

ANNUAL AVERAGE

38.87

INCHES +/- ANNUAL AVERAGE

(1.07)

Updated as of 8-May-24

PERCENT OF ANNUAL AVERAGE

97%

May 1, 2024	DRAINAGE AREA SQ. MILES	DRAINAGE AREA ACRES	WATER IN FEET	WATER CONTENT AC-FT	RECOVERY AT 75%	RECOVERY AT 70%	RECOVERY AT 65%	RECOVERY AT 60%	RECOVERY AT 55%	RECOVERY AT 50%
NO. FORK NEAR AVERY	163	104,320	4.167	434,701	326,026	304,291	282,556	260,821	239,086	217,351
SO. FORK	67	42,880	4.167	178,681	134,011	125,077	116,143	107,209	98,275	89,340
MIDDLE FORK AT DONNELLS	230	147,200	4.167	613,382	460,037	429,368	398,699	368,029	337,360	306,691
MIDDLE FORK AT BEARDSLEY	309	197,760	4.167	824,066	618,049	576,846	535,643	494,440	453,236	412,033
TOTAL		344,960		1,437,448	1,078,086	1,006,214	934,341	862,469	790,597	718,724
MELONES DRAINAGE AREA	904	578,560			MELONES INFLOW TO DATE			572,740	May 1, 2024	
					PROJECTED SNOW RUNOFF (65% RECOVERY)			934,341	Projected April to July runoff	
STORAGE ON MAY 1, 2024		MAX STOR	DIFFERENCE		UPSTREAM STORAGE RETENTION			50,000		
NEW MELONES	2,007,878	2,419,523	(411,645)		PROJECTED MELONES INFLOW			1,457,081		
DONNELLS	50,067	64,325	(14,258)							
BEARDSLEY	70,002	97,802	(27,800)							
NEW SPICER	126,651	189,000	(62,349)							
TOTAL	246,720	351,127	(104,407)							

MAINTENANCE SUPERVISOR BOARD REPORT

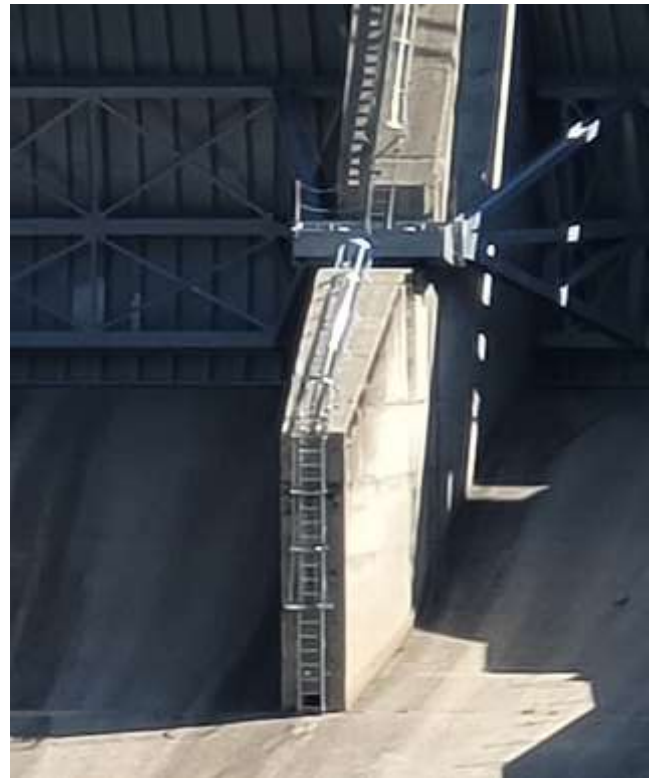
Stewart/Hogue

May 16, 2024

1. Sandbar Powerhouse tunnel access road clearing. Cleaned ditch to drain better and stop water pooling up. All brush and intrusive trees cleared to allow vehicle access to tunnel.
2. Donnells, Beardsley and Sandbar relayed offline due to a line disruption. During plant restoration the operator noticed that Beardsley governor was unresponsive. Technicians attempted to restore the existing Woodward flex 500 but could not get it to communicate. Removed unwired and rewired in the spare flex 500 only to find out the footprint (firmware) was not compatible. Updated firmware loaded latest configuration file and brought Beardsley back online.
3. Completed bi-annual station and communication battery testing. Testing consists of voltage, hydrometer, internal, and inter-cell resistance readings.
4. Tulloch unit 3 alarmed with speed sensor mismatch alarm a couple of months ago. Replacement speed sensor finally arrived. After identifying which one was faulty, we disassembled the top end of the unit and replaced. Speed sensor mismatch alarm is now clear. While unit was offline, we took the opportunity to replace governor oil filters and greased the wicket gate operating ring.
5. Repaired Sandbar intake power line after damage occurred during storm. Cleared trees from the area that caused the issue and some surrounding areas. Hoping this will mitigate further line damage from trees in this area of the power line.
6. Repacked both Beardsley Powerhouse raw water pumps due to leakage and no adjustment left. Took this opportunity to train personnel that are unfamiliar with replacing pump packing.
7. Filtered Sandbar Powerhouse Turbine Guide Bearing oil.
8. Installed Donnells Powerhouse Turbine Guide Bearing filtration system in set up for oil filtering in the future.
9. Per DSOD recommendation, installed Beardsley Dam spill way caged ladder to allow easier access into the spillway for spillway chute inspections and trunnion pin work access.
10. Brought Donnells Dam mini hydro back on-line now that we have enough water to maintain it. We have a little more elevation to gain and we will be able to bring video security back online as well. All physical security is up and running with the restoration of the RTU.



Spillway Ladder



Spillway Access Ladder



Sandbar Tunnel Access – Before



Sandbar Tunnel Access - After

REGULATORY AFFAIRS BOARD REPORT
Tri-Dam Project
Compliance Coordinator- Tracey McKnight
May 16, 2024

FERC Compliance:

- Tulloch Erosion Project: Actively engaged in coordinating, planning, and securing permits for the Tulloch Reservoir Shoreline Erosion & Day Use Remediation project. Establishing the necessary steps to ensure full compliance with FERC requirements.
 - Aquatic Nuisance Vegetation Management Plan (P. 2067): Efforts are underway to familiarize with the outlined plan given the recent transition of the new Compliance Coordinator, as well as to coordinate the requisite planning activities to uphold FERC guidelines.
-

Permit and Other Assignments:

- Training: Onboarding and comprehensive training have been administered for the new Compliance Coordinator (CC) by predecessor, Justin Calbert.
- Stakeholder Engagement: The Compliance Coordinator is actively responding to inquiries from the public, contractors, and various government agencies at the local, state, and federal levels.
- Agency Coordination: The Compliance Coordinator has initiated contact with partnering permit agencies and undergone in-service training on their respective permitting processes. This includes engagements with the Central Valley Regional Water Quality Control Board and the US Army Corps of Engineers.
- Permit Progression: The Compliance Coordinator continues to diligently work on permits, site reviews, and address compliance questions for various properties at Tulloch. Notably, to date, there are 14 approved applications within the 2024 calendar year. During the current Board Meeting Period (April 19 – May 16), we have issued 1 new Tulloch encroachment permit, passed 2 final inspections, and have 1 application in process pending proper submittal requirements.
- Litigation Matters: Continues to actively address pending litigation matters as required, ensuring that all parties remain in full compliance with legal obligations.
- Emergency Action Plan (EAP): Commencing the planning process for the upcoming tabletop exercise tentatively scheduled for Tuesday, August 20, 2024 at 18440 Striker Court in Sonora. Key stakeholders will be invited to participate in the exercise.
- Hells Half Acre: Recent site meetings have been held to discuss the project kickoff and engage with key stakeholders on-site.



Tri-Dam Project Generation & Revenue Report 2024

	Donnells				Beardsley			Tulloch			Project Total		
	Average Generation (1958-2018)	2024 Net Generation (kWh)	Avoided Generation (kWh)	2024 Energy Revenue	Average Generation (1958-2018)	2024 Net Generation (kWh)	2024 Energy Revenue	Average Generation (1958-2018)	2024 Net Generation (kWh)	2024 Energy Revenue	Average Generation (1958-2018)	2024 Net Generation (kWh)	2024 Energy Revenue
JAN	17,389,989	13,451,010	-	\$1,089,532	3,150,048	2,526,874	\$217,311	4,271,885	5,772,875	\$496,467	24,811,922	21,750,759	\$1,803,310
FEB	17,229,608	15,496,866	-	\$1,255,246	2,927,753	2,602,705	\$223,833	5,024,913	8,080,003	\$694,880	25,182,274	26,179,573	\$2,173,959
MAR	23,070,659	18,883,610	-	\$1,529,572	3,584,274	3,947,943	\$339,523	7,580,691	12,945,175	\$1,113,285	34,235,623	35,776,728	\$2,982,381
APR	31,686,865	29,203,254	-	\$2,365,464	4,717,464	6,051,314	\$520,413	10,811,027	11,597,756	\$997,407	47,215,356	46,852,324	\$3,883,284
MAY	41,216,149	-	-	\$0	5,799,593	-	\$0	12,131,040	-	\$0	59,146,782	-	\$0
JUN	42,555,036	-	-	\$0	6,336,073	-	\$0	12,084,818	-	\$0	60,975,928	-	\$0
JUL	36,444,466	-	-	\$0	6,629,514	-	\$0	12,609,174	-	\$0	55,683,154	-	\$0
AUG	27,568,740	-	-	\$0	6,269,748	-	\$0	11,868,293	-	\$0	45,706,781	-	\$0
SEP	20,111,167	-	-	\$0	5,223,523	-	\$0	8,577,620	-	\$0	33,912,310	-	\$0
OCT	12,743,535	-	-	\$0	3,752,220	-	\$0	4,664,124	-	\$0	21,159,879	-	\$0
NOV	12,042,987	-	-	\$0	2,794,775	-	\$0	2,487,256	-	\$0	17,325,019	-	\$0
DEC	14,354,891	-	-	\$0	3,713,920	-	\$0	3,288,702	-	\$0	21,357,513	-	\$0
Total	296,414,092	77,034,739	-	\$6,239,814	54,898,907	15,128,836	\$1,301,080	95,399,542	38,395,809	\$3,302,040	446,712,540	130,559,384	\$10,842,933

Note: Price per MWh is \$81 at Donnells and \$86 at all other plants
This is the generation revenue only, does not include Resource Adequacy or Ancillary Services

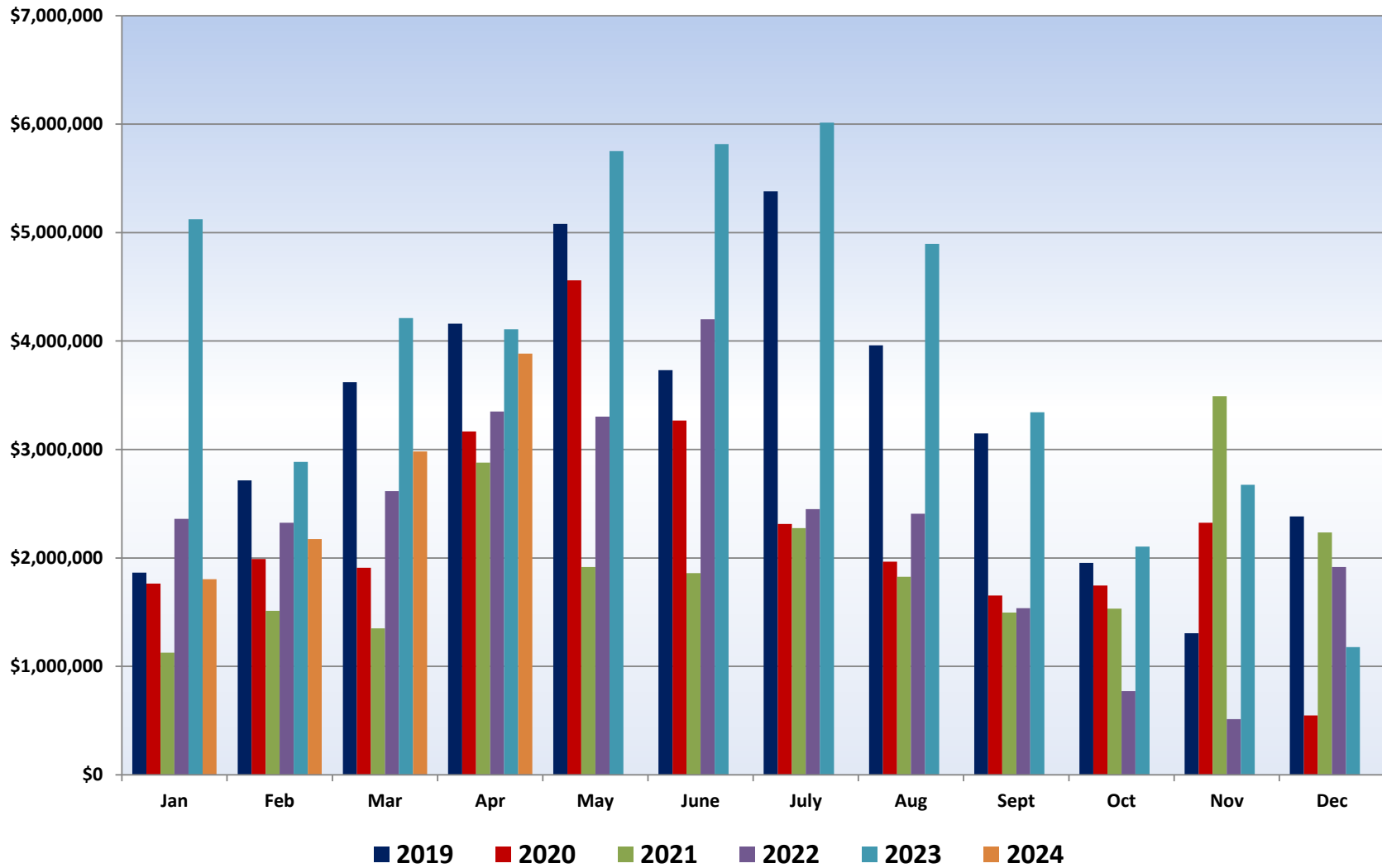
Tri-Dam Power Authority - Sand Bar

	Average Generation (1958-2018)	2024 Net Generation (kWh)	Avoided Generation (kWh)	2024 Energy Revenue	PG&E	
					Coordination Payment	Total Revenue
JAN	4,663,654	3,192,570	-	\$274,561	\$0	\$274,561
FEB	3,946,606	3,693,906	-	\$317,676	\$0	\$317,676
MAR	5,290,014	6,368,842	-	\$547,720	\$0	\$547,720
APR	6,873,822	9,319,902	-	\$801,512	\$0	\$801,512
MAY	8,065,189	-	-	\$0	\$0	\$0
JUN	8,750,023	-	-	\$0	\$0	\$0
JUL	9,133,101	-	-	\$0	\$0	\$0
AUG	8,560,581	-	-	\$0	\$0	\$0
SEP	6,928,285	-	-	\$0	\$0	\$0
OCT	4,898,944	-	-	\$0	\$0	\$0
NOV	2,947,604	-	-	\$0	\$0	\$0
DEC	5,554,123	-	-	\$0	\$0	\$0
Total	75,611,948	22,575,220	-	\$1,941,469	\$0	\$1,941,469

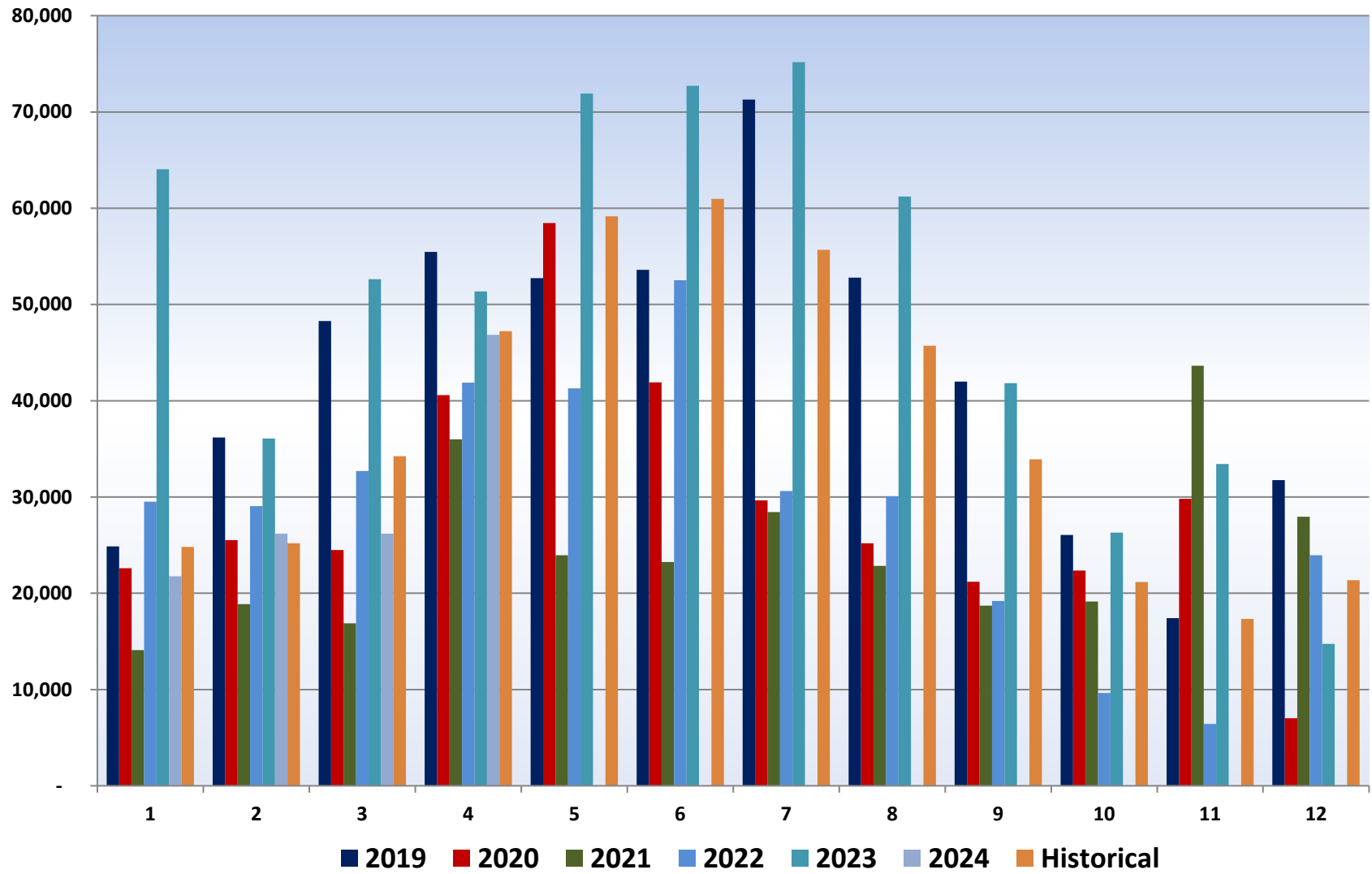
Average Project Generation

	2024 Average Net Generation (kWh)
JAN	7,250,253.06
FEB	8,726,524.44
MAR	11,925,575.93
APR	15,617,441.40
MAY	
JUN	
JUL	
AUG	
SEP	
OCT	
NOV	
DEC	
Total	43,519,795

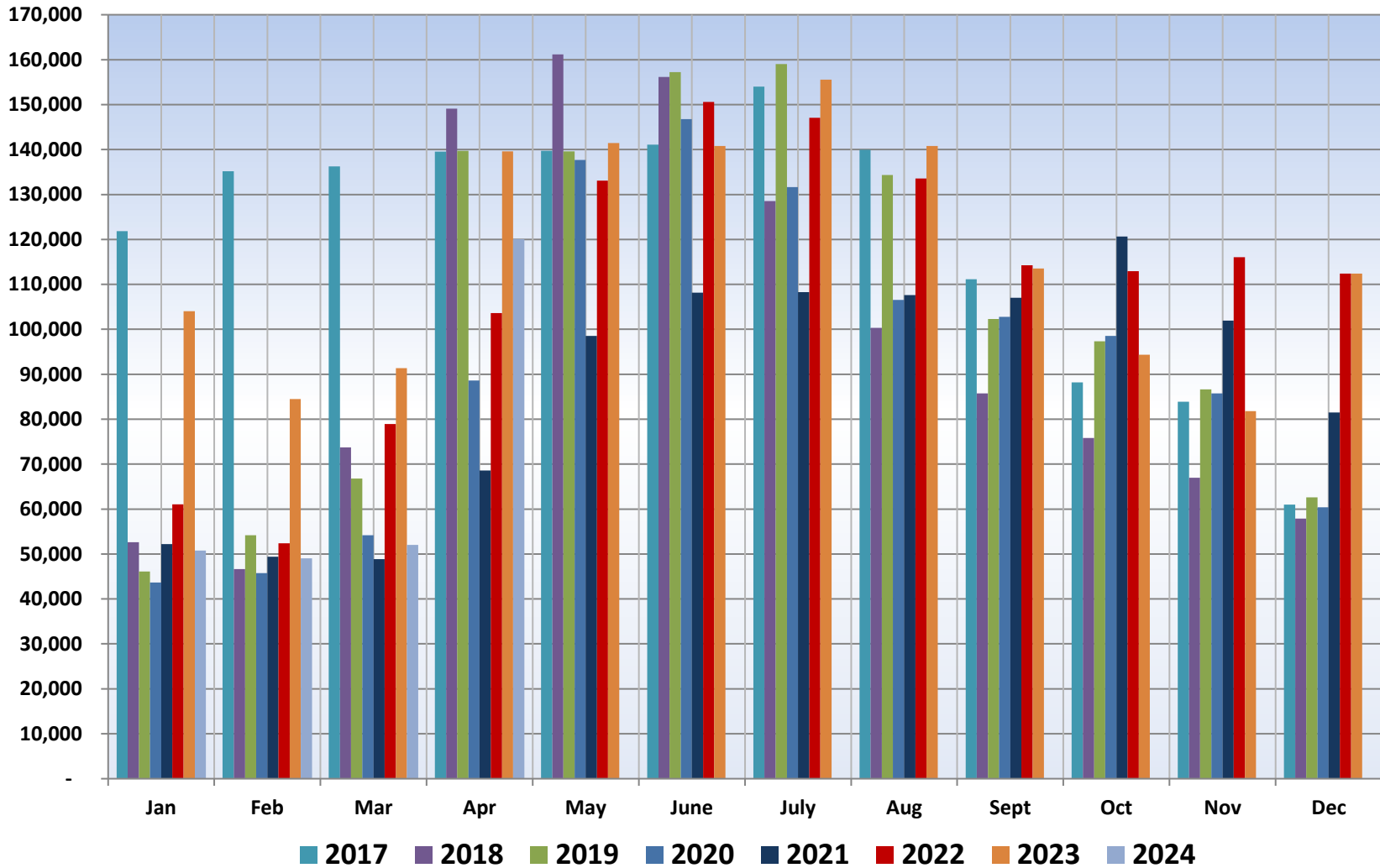
Tri-Dam Project Generation Revenue



Tri-Dam Project Total Generation - MWh



Tri-Dam Project Storage AF - Donnellis & Beardsley



WESTERN PRICE SURVEY

[7] Western Price Fundamentals Show Shift

Energy prices across the Western U.S. generally increased this week; however, what once appeared to be temporary conditions causing market hiccups now seem to be permanent conditions.

Negative power pricing during the day—particularly at South of Path 15—higher power prices in the Pacific Northwest aimed at keeping precious hydro generation in the region, and a continuing supply-demand imbalance are all weighing on prices now. These trends are forecast to continue well past 2024 (see story at [12]).

Daytime power prices generally gained value across April 25 to May 2 trading. North of Path 15 was the exception, shedding 30 cents to \$22.65/MWh. Other hubs rose by as much as \$18.50, led by California-Oregon Border, which ended with the highest regional price at \$55/MWh.

Off-peak power prices surged by between almost \$5 and \$15, led by Mid-Columbia nighttime power. The hub ended at \$50.95/MWh, which was the highest regional price. Off-peak values ranged from \$33/MWh at Palo Verde to \$50.95/MWh at Mid-C.

Natural gas values generally trended higher in April 25 to May 2 trading. Beleaguered El Paso-Permian Basin gas pulled out of negative pricing, gaining 86 cents to end at 46 cents/MMBtu. SoCal CityGate proved the exception, dropping 20 cents to \$1.47/MMBtu. PG&E CityGate values remained above the \$2 mark at \$2.33/MMBtu.

In California, natural gas use increased by 0.2 Bcf per day during the U.S. Energy Information Administration’s Wednesday-to-Wednesday report week. This was the result of a 10-percent—or 0.2-Bcfd—increase in residential- and commercial-sector natural gas demand.

National working natural gas in storage was 2,484 Bcf as of April 26, according to the EIA—a net increase of 59 Bcf compared with the previous week.

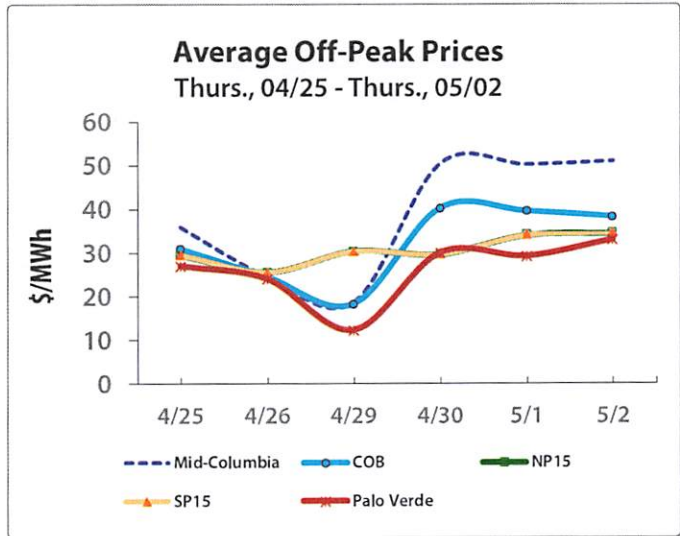
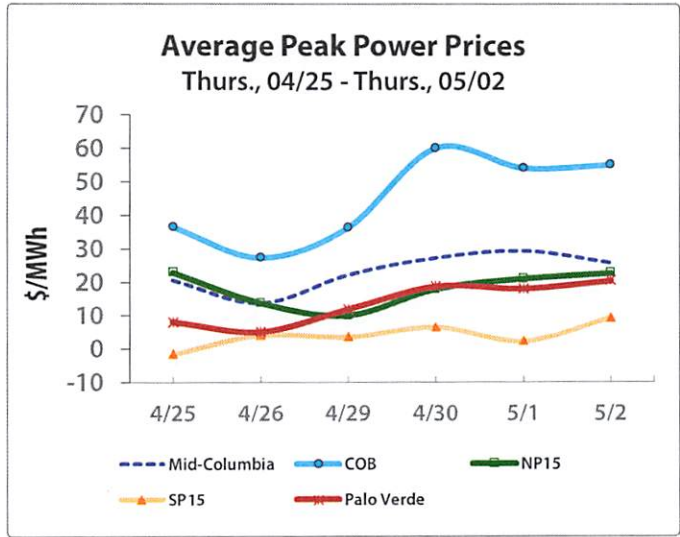
A total of 5 Bcf of natural gas was added to Pacific region storage during the EIA report week, bringing the amount in storage to 240 Bcf. This is roughly 147 percent more than the amount in storage a year ago, which was 97 Bcf.

In April, the average high peak price at Henry Hub was \$1.89/MMBtu, 34 cents less than in 2023 (see “Price Trends,” next page).

Western natural gas hub prices fell by roughly \$4 year over year. Both PG&E CityGate and Malin natural gas dropped by \$4.88 to \$2.64/MMBtu and \$1.70/MMBtu, respectively.

Average Western peak power prices for April also fell compared with the year prior, when prices had ranged from roughly \$40/MWh to as much as \$137.50/MWh. California-Oregon Border lost the most value, down \$77.50 to \$60/MWh, which was the highest hub value for April 2024.

—Linda Dailey Paulson



	Tues. 04/25	Tues. 04/30	Thurs. 05/02
Henry Hub	1.46	1.69	1.67
Sumas	1.11	1.36	1.33
Alberta	0.98	1.27	1.33
Malin	1.13	1.36	1.35
Opal/Kern	1.10	1.36	1.34
Stanfield	1.06	1.34	1.32
PG&E CityGate	2.07	2.25	2.33
SoCal Border	1.05	1.33	1.39
SoCal CityGate	1.67	1.52	1.47
EP-Permian	-0.40	-0.21	0.46
EP-San Juan	0.94	1.30	1.30

Power/gas prices courtesy Enerfax

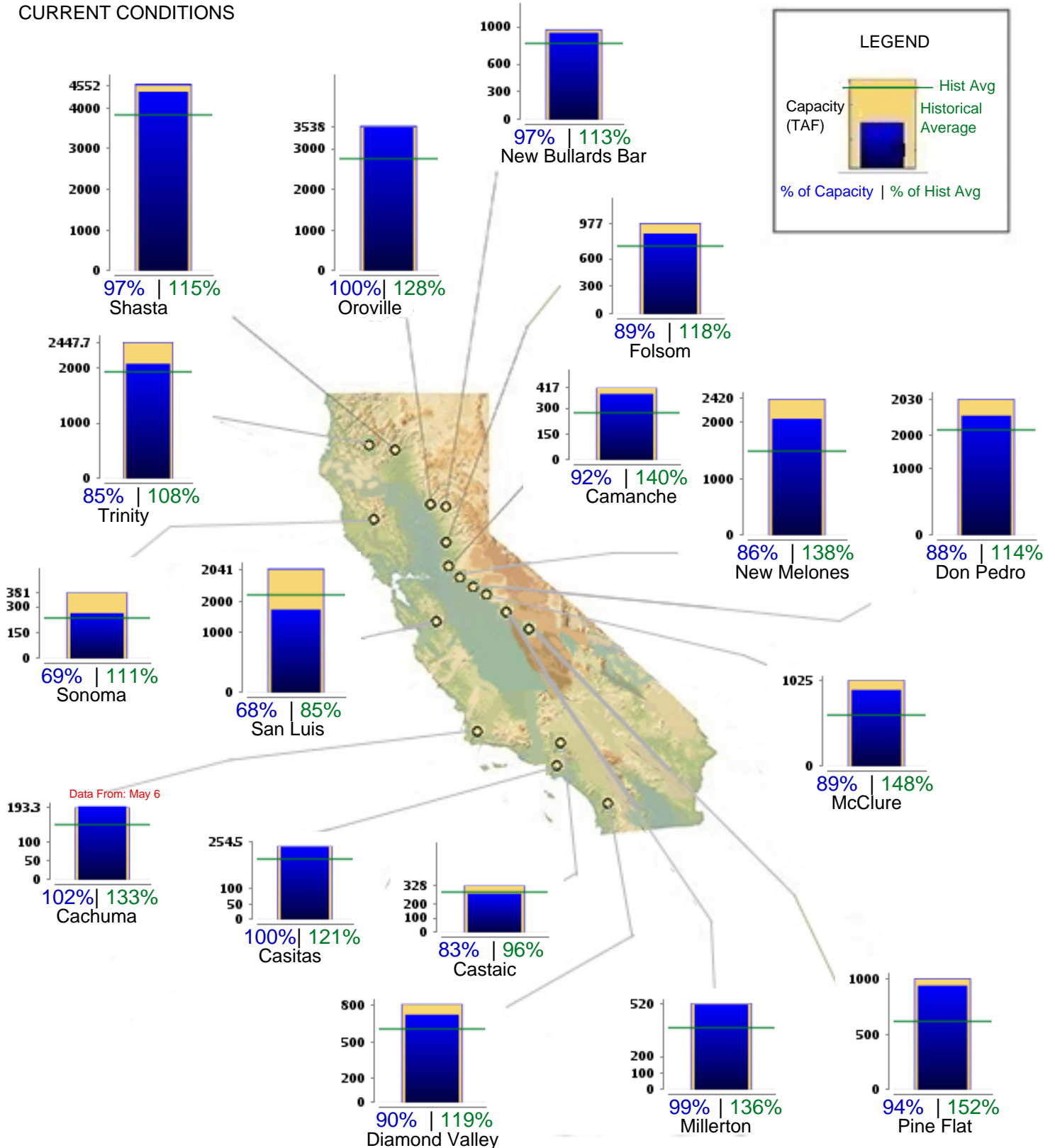


CURRENT RESERVOIR CONDITIONS

CALIFORNIA MAJOR WATER SUPPLY RESERVOIRS

Midnight - May 7, 2024

CURRENT CONDITIONS





1617 S. Yosemite Avenue • Oakdale, CA 95361 • Phone: (209) 847-6300 • Fax: (209) 847-1925

May 7, 2024

Tri Dam Project
Summer Nicotero
P.O. Box 1158
Pinecrest, CA 95364

Re: April 2024 Invoice

Dear Miss Nicotero:

Enclosed is an invoice for consulting services provided by FISHBIO during April. Effort during April focused on data analyses and writing in support of final project reporting for the WIIN Act Stanislaus Native Fish Plan study. Following receipt and discussion of comments provided by NMFS on the outline and schedule during March, edits were made to identify more detailed interim dates within the review period. Additions were also made to the proposed report outline to clarify linkages between WIIN Act requirements, study questions, and chapters which were circulated to solicit early agency review in fall 2022 and 2023. NMFS agreed to provide input on revisions to the schedule and outline plan by May 15. Development of the report by FISHBIO continues on schedule.

Also during April a revised manuscript on occupancy and migration timing of striped bass in the Stanislaus River was submitted for peer review. Prior to the initiation of the electrofishing surveys for the WIIN Act study, there was little information about striped bass in the Stanislaus River. While our electrofishing surveys were designed to target striped bass in the salmon and steelhead migratory corridor during the juvenile emigration season, combined with other surveys, our review found that striped bass may be present at any time of the year and have been observed upstream in the salmonid spawning and rearing reach. Results from the concurrent diet study portion of the WIIN Act study which found striped bass to consume salmon at the highest frequency of any predator (manuscript published December 2023), combined with the new analysis of striped bass occupancy suggests that striped bass may be capable of exerting strong top-down control on salmonids, limiting overall production from the Stanislaus River.

During April thermographs were also downloaded to provide water temperature data to be used in analysis of data generated from the annual summer *O. mykiss* census surveys.

Also during April we made progress towards drafting a manuscript presenting findings of the stock-recruit analysis conducted during 2023. In discussion with the USFWS it was identified that the abundance estimates from the Caswell rotary screw trap that were provided to us for the analysis was based on a crude approach of applying an average trap



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efficiency value to all catch data in all years. While we do not expect that applying a more robust statistical model to estimate Caswell abundance will result in significant changes to findings of the stock-recruit analyses, it could be perceived and portrayed as a critical uncertainty. To address this issue we are obtaining the catch and efficiency data from the USFWS to apply the same modeling approach that was used for the Oakdale trap. The Oakdale analysis was published in a peer-reviewed journal in 2019. As the model code already exists for both the RST abundance estimation and the stock-recruit models, we expect updating the analyses to be relatively straightforward once the data is received.

Budget Summary

2024	<i>Non-natives</i>	<i>O. mykiss Census</i>	<i>Stock-recruit</i>	<i>Total</i>
<i>Jan</i>	\$ 8,290.00	\$ -	\$ -	\$ 8,290.00
<i>Feb</i>	\$ 8,610.00	\$ -	\$ -	\$ 8,610.00
<i>Mar</i>	\$ 11,985.00	\$ -	\$ -	\$ 11,985.00
<i>Apr</i>	\$ 8,085.00	\$ 1,051.07	\$ 10,030.00	\$ 19,166.07
TOTAL	\$ 36,970.00	\$ 1,051.07	\$ 10,030.00	\$ 48,051.07
<i>Estimated 2024</i>	\$125,000.00	\$ 60,000.00	\$ 30,000.00	\$ 215,000.00
<i>Remaining</i>	\$ 88,030.00	\$ 58,948.93	\$ 19,970.00	\$ 166,948.93

Sincerely,

Andrea Fuller

SJB March Field Report

Juvenile Migration Monitoring

The Calaveras River rotary screw trap (RST) operated 17 out of 30 days during April. A total of 179 young-of-the-year (YOY; <100 mm), 43 Age 1+ (100-299 mm) and one adult (>299 mm) *O. mykiss* were captured during the month, increasing the combined season total to 480 (Figure 1). A total of 155 fish have been implanted with Passive Integrated Transponder (PIT) tags this season. Thus far, 10 out of 155 tagged fish were recovered in the trap (6.5%). A total of 588 juvenile Chinook salmon were captured in the trap during April increasing the season total to 801 (Figure 2). One trap efficiency test was conducted during the month using wild Chinook salmon captured in the trap. The resulting efficiency was 23.8% at a flow of 69 cfs (New Hogan + Cosgrove).

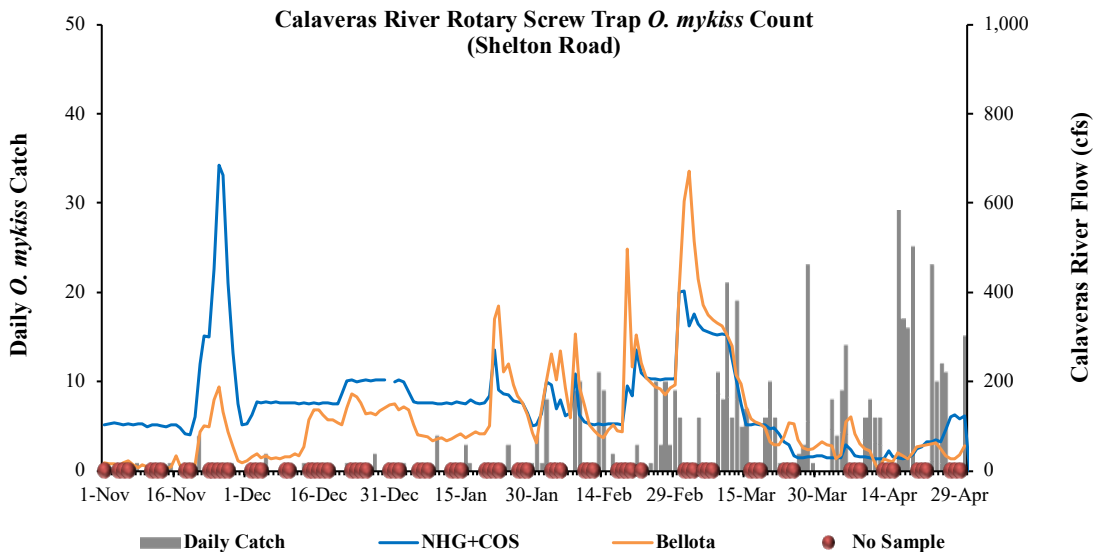


Figure 1. Daily *O. mykiss* catch at the Calaveras River rotary screw trap at Shelton Road and Calaveras River flow at New Hogan Dam (NHG) and Bellota (MRS).

The Stanislaus River RSTs at Caswell (RM 8) operated continuously during April and captured a total of 421 juvenile Chinook salmon increasing the season total to 5,746 (Figure 3). Two trap efficiency releases were conducted in April and the resulting efficiency was approximately 2%.

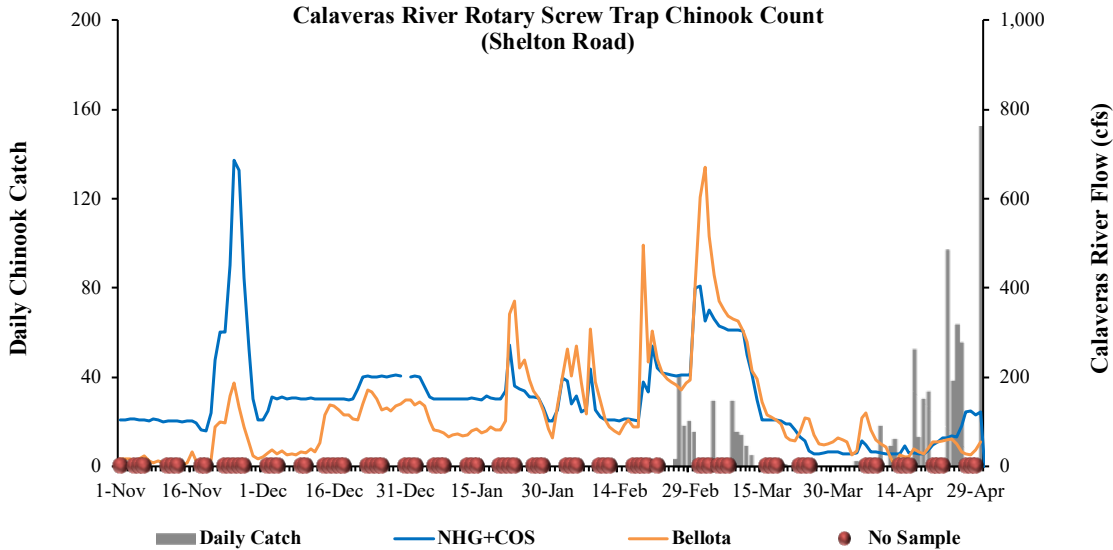


Figure 2. Daily Chinook catch at the Calaveras River rotary screw trap at Shelton Road and Calaveras River flow at New Hogan Dam (NHG) and Bellota (MRS).

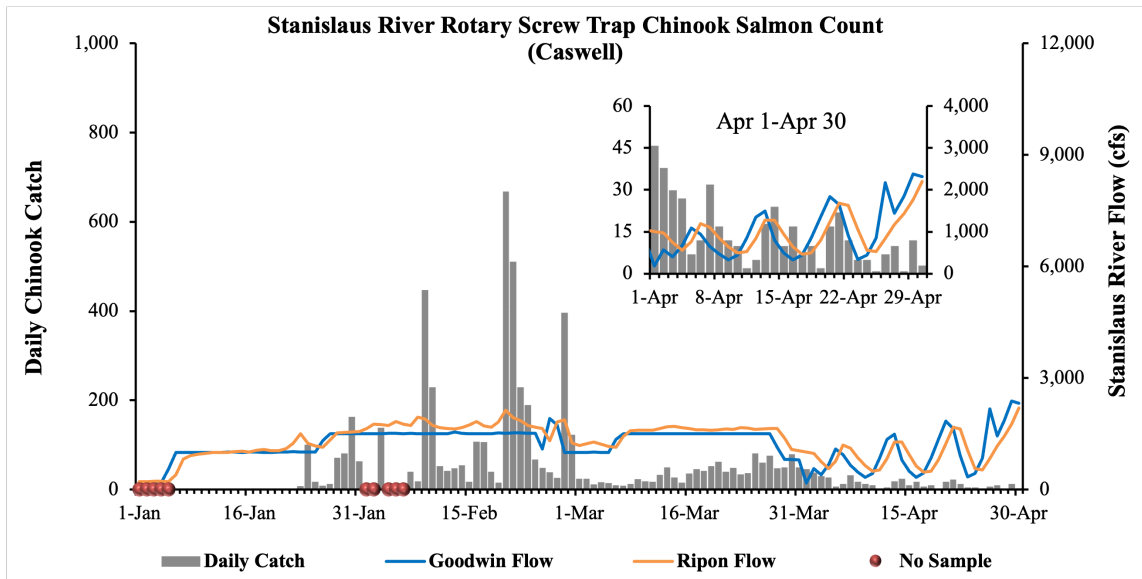


Figure 3. Daily Chinook salmon catch at the Stanislaus River rotary screw trap at Caswell and Stanislaus River flow at Goodwin Dam (GDW) and Ripon (RIP).

The Tuolumne River RST near Waterford (RM 30) operated continuously April, and 81 Chinook salmon were captured, increasing the season total to 11,711 (Figure 4). Two trap efficiency releases were conducted in April using fish from Merced River Hatchery. Recapture rates ranged between 0.8% and 1.5% at flows ranging from 3,580 cfs to 3,590 cfs at La Grange Dam.

The Tuolumne River RST near Grayson (RM 5) operated continuously through April, and 149 Chinook salmon were captured, increasing the season total to 2,361 (Figure 5). One trap efficiency release was conducted in April using fish from Merced River Hatchery. The resulting recapture rate was 1.0% and at a flow of 3,910 cfs at Modesto.

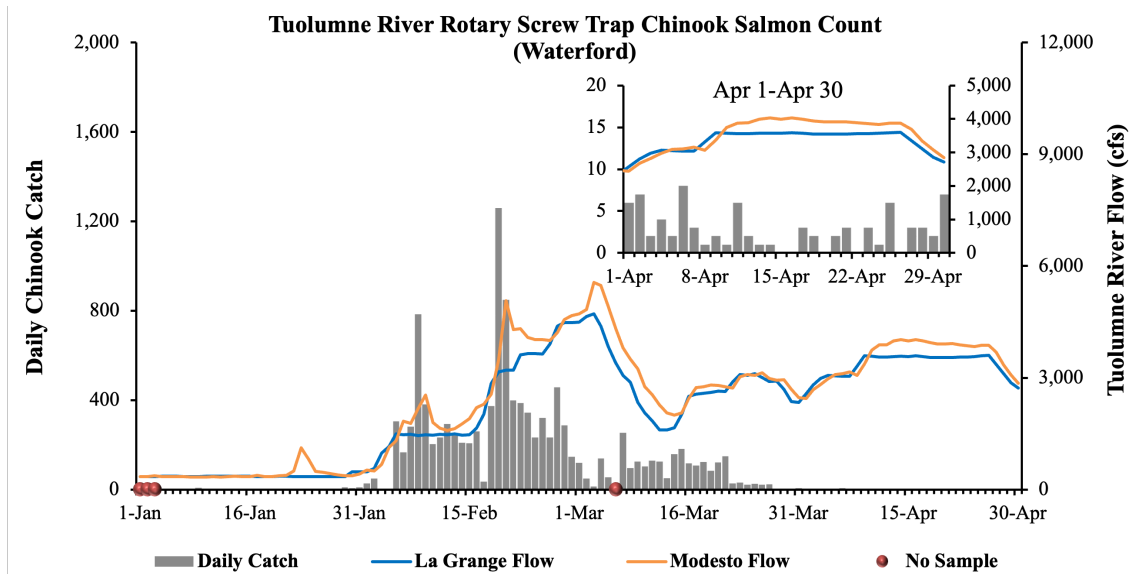


Figure 4. Daily Chinook salmon catch at the Tuolumne River rotary screw trap at Waterford and Tuolumne River flow at La Grange (LGN) and Modesto (MOD).

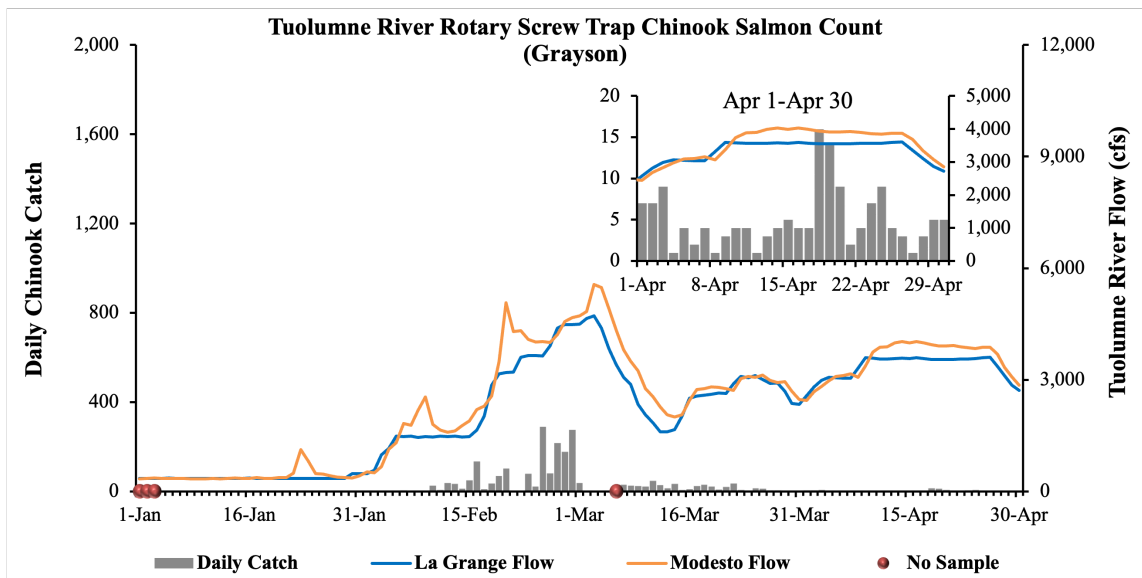


Figure 5. Daily Chinook salmon catch at the Tuolumne River rotary screw trap at Grayson and Tuolumne River flow at La Grange (LGN) and Modesto (MOD).

The spring pulse flow on the Stanislaus will continue through the month of May. The “shaped” May pulse flow on the Stanislaus River will consist of four peaks ranging in magnitude from 2,300 cfs to 2,500 cfs and will last the entire month (Figure 6). The scheduled spring pulse flow on the Tuolumne River was superseded by reservoir managed releases to lower the elevation of water in Don Pedro Reservoir to make room for inflow from snowmelt above the reservoir. Flows during April averaged approximately 3,340 cfs out of La Grange Dam.

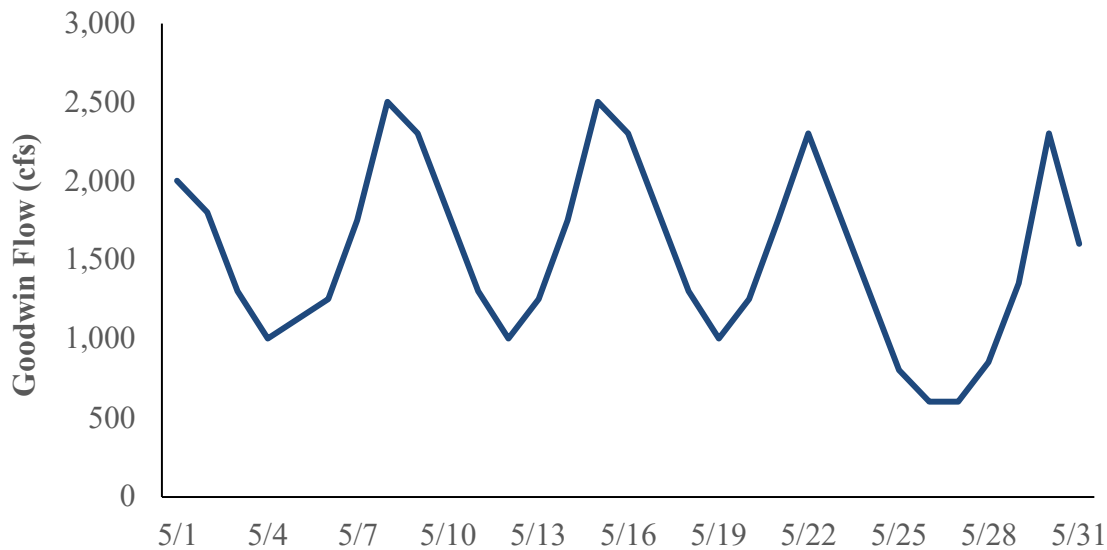


Figure 6. Spring pulse schedule for May 2024 on the Stanislaus River.

Annual bi-weekly beach seining continued in the lower Tuolumne and San Joaquin rivers to document juvenile Chinook movement and distribution through the Tuolumne River and into the San Joaquin River. A total of 969 juvenile Chinook have been captured through the end of April. During April, Chinook were captured at all reaches in the Tuolumne River but none were captured in the San Joaquin River.

Stanislaus River *O. mykiss* Sampling

The USFWS is currently in the second year of a Telemetry Study funded by USBR to track smolt-sized *O. mykiss* to determine what percentage migrate out of the Stanislaus River, and the corresponding survival through the Delta. Between February and April FISHBIO accompanied the USFWS during their hook-and-line sampling in the Stanislaus River. Each *O. mykiss* captured was implanted with a PIT tag, and scale and genetic sample were collected. Additionally, fish meeting the USFWS study criteria (smolts measuring 130 mm-350 mm) were implanted with an acoustic tag. The acoustically tagged fish will be tracked by several receivers in the Stanislaus River as well as by receivers in the San Joaquin mainstem and the

South Delta. By assisting USFWS in the sampling, we were able to increase our own study's sample size by increasing the number of PIT tagged individuals in the river without going against our Project's allowed take. Two-hundred twenty-seven *O. mykiss* were PIT tagged by USFWS during the three-month period. Once the spring pulses are over, we will resume with the normal hook-and-line sampling once per month.



Figure 7. Hook-and-line sampling on the Stanislaus River and acoustically tagging *O. mykiss*.

Adult Migration Monitoring

One *O. mykiss* (< 16 inches) was observed passing upstream of the weir in April. A total of 55 *O. mykiss* have been recorded passing upstream of the weir during the 2023-24 season. Thirty-seven of them have been greater than 16 inches (classifying them as steelhead) and 29 of them (53%) had their adipose fin clipped (indicating hatchery origin). Trapping was conducted for 10 days during the first half of April when flows were low enough to access the livebox. No *O. mykiss* were captured in the trap in April. With high flows expected for the remainder of April and May, the weir was removed on April 16.

San Joaquin River Predator Study

Two sampling events were completed during April (4/8-4/12 and 4/22-4/25) with a total of 134 predators captured. Most of the predators were largemouth bass (n=85). In addition, 40 striped bass (Figure 8), three spotted bass, one unidentified black bass sp., three white catfish and two Sacramento pikeminnow were captured.

A total of 118 target fishes were implanted with PIT tags and 13 largemouth bass were recaptured, which had previously been tagged during this project. Four of the recaptures were originally tagged in 2022, two were tagged in 2023, and seven were tagged this year. Eleven of the fish were recaptured in same unit they were originally tagged in. The remaining two were recaptured in a nearby unit from the location they were originally tagged.

One hundred and twenty-eight fish underwent gastric lavage to check their stomach contents and 69 of those contained prey items, the remainder were empty. Of those with diet items, 21 contained only crayfish and 48 had other items that were preserved in alcohol to be identified later either visually or genetically. Forty-six scale samples were collected from target species fish representing a range of size classes.

A total of 161 incidental species captured during the surveys including bluegill, juvenile Chinook, inland silverside, minnows (carp, golden shiner and red shiner), redear sunfish, Sacramento blackfish, Sacramento splittail, Sacramento sucker and threadfin shad. The most abundant incidental species was redear sunfish (n=44) followed by threadfin shad (n=30). Three species captured (n=17 individuals) were native to California.

The San Joaquin River fykes were operated 21 days (Mon-Fri) during April. A total of 152 target species were captured during April including 126 striped bass, three spotted bass, three largemouth bass, 13 channel catfish and seven white catfish. One hundred forty-seven of the target species were implanted with a PIT tag. The majority (n=99) of striped bass were captured at Sturgeon Bend followed by Alegre (n=39). Incidental species captured during the month included American shad, carp and one white sturgeon (Figure 9).



Figure 8. Measuring a large striped bass after capture during San Joaquin River electrofishing.



Figure 9. White sturgeon (~4 ft) captured in the Blewett fyke trap. The fish was released in good condition.

Salmon Fishing Closures

The forecast for the upcoming salmon season estimates there are 212,622 Sacramento River Fall Chinook (SRFC) in the ocean this year. This forecast is a 26% increase from the last year's projection (169,767) but still lower than the previous five-year average of 338,000. The Pacific Fisheries Management Council (PFMC) met on April 10, 2024, and because of the low projection, recommended closure of recreational and commercial fisheries in California for 2024. Salmon populations are still reeling from poor conditions experienced during outmigration in the historically low water years from 2020-2022. However, it is expected that the recreational and commercial fisheries closures have had a positive effect on stock numbers by preventing overexploitation of vulnerable stocks, and fish returning in 2025 should benefit from better conditions experienced during their outmigration.

TRI-DAM

POWER

AUTHORITY

REGULAR BOARD MEETING
AGENDA
TRI-DAM POWER AUTHORITY
of THE OAKDALE IRRIGATION DISTRICT and
THE SOUTH SAN JOAQUIN IRRIGATION DISTRICT
May 16, 2024
Start time is immediately following the Tri-Dam Project meeting
which begins at 9:00 AM

Oakdale Irrigation District
1205 East F Street
Oakdale, CA 95361

A COMPLETE COPY OF THE AGENDA PACKET WILL BE AVAILABLE ON THE TRI-DAM PROJECT WEB SITE (www.tridamproject.com) ON MONDAY, MAY 13, 2024 AT 9:00 A.M. ALL WRITINGS THAT ARE PUBLIC RECORDS AND RELATE TO AN AGENDA ITEM WHICH ARE DISTRIBUTED TO A MAJORITY OF THE BOARD OF DIRECTORS LESS THAN 72 HOURS PRIOR TO THE MEETING NOTICED ABOVE WILL BE MADE AVAILABLE ON THE TRI-DAM PROJECT WEB SITE (www.tridamproject.com).

Members of the public who wish to attend and participate in the meeting remotely, as opposed to in-person, can do so via internet at <https://us02web.zoom.us/j/3585721867> or by telephone, by calling 1 (669) 900-9128, Access Code: 358-572-1867. All speakers commenting on Agenda Items are limited to five (5) minutes.

Members of the public may also submit public comments in advance by e-mailing gmodrell@tridamproject.com by 3:30 p.m., Wednesday, May 15, 2024.

In compliance with the Americans with Disabilities Act, a person requiring an accommodation, auxiliary aid, or service to participate in this meeting should contact the Executive Assistant at (209) 965-3996 ext. 113, as far in advance as possible but no later than 24 hours before the scheduled event. Best efforts will be made to fulfill the request.

CALL TO ORDER

ROLL CALL: John Holbrook, Dave Kamper, David Roos, Glenn Spyksma, Mike Weststeyn, Brad DeBoer, Herman Doornenbal, Tom Orvis, Linda Santos, Ed Tobias

PUBLIC COMMENT

Matters listed under the consent calendar are considered routine and will be acted upon under one motion. There will be no discussion of these items unless a request is made to the Board President by a Director or member of the public. Those items will be considered at the end of the consent items.

1. Approve the regular board meeting minutes of April 18, 2024.
2. Approve the April statement of obligations.

ACTION ITEM**ITEM 3**

3. Consider designating the date of one Tri-Dam Power Authority regular meeting in Strawberry.

ADJOURNMENT**ITEMS 4 - 5**

4. Commissioner Comments.
5. Adjourn to the next regularly scheduled meeting.

BOARD AGENDA REPORT

Date: 5/16/2024
Staff: Genna Modrell

SUBJECT: Tri-Dam Power Authority April 2024 Minutes

RECOMMENDED ACTION: Approve the regular meeting minutes of April 18, 2024.

BACKGROUND AND/OR HISTORY:

Draft minutes attached.

FISCAL IMPACT: None

ATTACHMENTS: Draft minutes attached.

Board Motion:

Motion by: _____ **Second by:** _____

VOTE:

OID: DeBoer (Yes/No) Doornenbal (Yes/No) Orvis (Yes/No) Santos (Yes/No) Tobias (Yes/No)

SSJID: Holbrook (Yes/No) Kamper (Yes/No) Roos (Yes/No) Spyksma (Yes/No) Weststeyn (Yes/No)

**TRI-DAM POWER AUTHORITY
MINUTES OF THE JOINT BOARD
OF COMMISSIONERS REGULAR MEETING**

April 18, 2024
Manteca, California

The Commissioners of the Tri-Dam Power Authority met at the office of the South San Joaquin Irrigation District in Manteca, California, on the above date for the purpose of conducting business of the Tri-Dam Power Authority, pursuant to the resolution adopted by each of the respective Districts on October 14, 1984.

President Tobias called the meeting to order at 10:00 a.m.

OID COMMISSIONERS

SSJID COMMISSIONERS

COMMISSIONERS PRESENT:

ED TOBIAS
TOM ORVIS
HERMAN DOORNENBAL
LINDA SANTOS
BRAD DEBOER

MIKE WESTSTEYN
DAVE KAMPER
DAVID ROOS
GLEN SPYKSMA
JOHN HOLBROOK

Also Present:

Summer Nicotero, General Manager, Tri-Dam Project; Genna Modrell, Executive Asst., Tri-Dam Project; Tracey McKnight, Compliance Coordinator, Tri-Dam Project; Scot Moody, General Manager, OID; Peter Rietkerk, General Manager, SSJID; Mia Brown, Counsel, SSJID

PUBLIC COMMENT

No public comment.

CONSENT CALENDAR

- ITEM #1 Approve the regular board meeting minutes of March 21, 2024.**
- ITEM #2 Approve the March statement of obligations.**
- ITEM #3 Approve 2024 USFS Sandbar Recreation Collection Agreement.**

Commissioner Doornenbal moved to approve items one, two, and three under the consent calendar as presented. Commissioner Santos seconded the motion.

The motion passed by the following roll call vote:

AYES: DeBoer, Doornenbal, Orvis, Santos, Tobias, Holbrook, Kamper, Roos, Spyksma, Weststeyn

NOES: None

ABSTAINING: None

ABSENT: None

ITEM #4 Commissioner Comments

None.

ADJOURNMENT

President Tobias adjourned the meeting at 10:01 a.m.

BOARD AGENDA REPORT

Date: 5/16/2024
Staff: Genna Modrell

SUBJECT: Tri-Dam Power Authority April Statement of Obligations

RECOMMENDED ACTION: Approve the April Statement of Obligations.

BACKGROUND AND/OR HISTORY:

Submitted for approval is the April Statement of Obligations for Tri-Dam Power Authority.

FISCAL IMPACT: See Attachments

ATTACHMENTS: Tri-Dam Power Authority Statement of Obligations

Board Motion:

Motion by: _____ **Second by:** _____

VOTE:

OID: DeBoer (Yes/No) Doornenbal (Yes/No) Orvis (Yes/No) Santos (Yes/No) Tobias (Yes/No)

SSJID: Holbrook (Yes/No) Kamper (Yes/No) Roos (Yes/No) Spyksma (Yes/No) Weststeyn (Yes/No)

Tri-Dam Power Authority

Statement of Obligations

April 1, 2024 to April 30, 2024

**TRI-DAM POWER AUTHORITY
STATEMENT OF OBLIGATIONS**

Period Covered
April 1, 2024 to April 30, 2024

Total Obligations: **6** **checks** **in the amount of** **\$4,726.90**
(See attached Vendor Check Register Report)

CERTIFICATION

OAKDALE IRRIGATION DISTRICT

SOUTH SAN JOAQUIN IRRIGATION DISTRICT

Thomas D. Orvis

John Holbrook

Ed Tobias

Dave Kamper

Linda Santos

David Roos

Herman Doornenbal

Glenn Spyksma

Brad DeBoer

Mike Weststeyn

To: Peter Rietkerk, SSJID General Manager:

THE UNDERSIGNED, EACH FOR HIMSELF, CERTIFIES THAT HE IS PRESIDENT OR SECRETARY OF THE TRI-DAM POWER AUTHORITY; THAT THE AMOUNTS DESIGNATED ABOVE HAVE BEEN ACTUALLY, AND NECESSARILY AND PROPERLY EXPENDED OR INCURRED AS AN OBLIGATION OF THE TRI-DAM POWER AUTHORITY FOR WORK PERFORMED OR MATERIALS FURNISHED FOR OPERATIONS AND MAINTENANCE OF THE SAND BAR PROJECT; THAT WARRANTS FOR PAYMENT OF SAID AMOUNTS HAVE BEEN DRAWN ON THE SAND BAR PROJECT O & M CHECKING ACCOUNT AT OAK VALLEY COMMUNITY BANK, SONORA, CALIFORNIA.

TRI-DAM POWER AUTHORITY
PRESIDENT,

TRI-DAM POWER AUTHORITY
SECRETARY,

Ed Tobias, President Date

Summer Nicotero, Secretary Date

Authority

April Checks



Check	Vendor No	Vendor	Date	Description	Amount
130852*	11459	C & R Royal SVC, Inc - Napa	04/05/2024	engine oil filter, fluid filter and synthetic oil for SPH	142.31
130879*	11343	Tim O'Laughlin, PLC	04/05/2024	legal matters	1,092.50
130881*	10749	UPS	04/05/2024	shipping fees for SPH Blower repair	139.52
130901*	10500	OID	04/17/2024	Finance/Admin Reimbursement	1,818.51
130927*	10516	Pacific Gas & Electric	04/23/2024	SPH Utilities	353.26
130928*	11414	Provost & Pritchard	04/23/2024	Pre-bid support services for March	1,180.80
Report Total:					\$ 4,726.90

**All payments were made through the Project account via the Due To/From GL #12410*

BOARD AGENDA REPORT

Date: May 16, 2024
Staff: Summer Nicotero

SUBJECT: Designate the date of one Tri-Dam Power Authority regular meeting in Strawberry.

RECOMMENDED ACTION: Consider designating the date of one Tri-Dam Power Authority regular meeting in Strawberry.

BACKGROUND AND/OR HISTORY:

Each year we typically hold one Board meeting in Strawberry. This is authorized pursuant to Water Code 21377.5: which would permit Tri-Dam to conduct up to four regular board meetings annually at the Tri-Dam Project office located in Strawberry, California.

Listed below are upcoming meeting date options.

June 20, 2024

July 18, 2024

August 15, 2024

FISCAL IMPACT: None

ATTACHMENTS: None

Board Motion:

Motion by: _____ **Second by:** _____

VOTE:

OID: DeBoer (Yes/No) Doornenbal (Yes/No) Orvis (Yes/No) Santos (Yes/No) Tobias (Yes/No)

SSJID: Holbrook (Yes/No) Kamper (Yes/No) Roos (Yes/No) Spyksma (Yes/No) Weststeyn (Yes/No)