



AGENDA MATERIALS
TRI-DAM PROJECT



TRI-DAM POWER
AUTHORITY



BOARD MEETING

November 18, 2021

**REGULAR BOARD MEETING
AGENDA
TRI-DAM PROJECT
of THE OAKDALE IRRIGATION DISTRICT and
THE SOUTH SAN JOAQUIN IRRIGATION DISTRICT
NOVEMBER 18, 2021
9:00 A.M.**

**South San Joaquin Irrigation District
11011 Highway 120
Manteca, CA 95336**

*** SEE BELOW FOR INSTRUCTIONS REGARDING PUBLIC COMMENT AND
PARTICIPATION**

NOTICE: Coronavirus (COVID-19)

A COMPLETE COPY OF THE AGENDA PACKET WILL BE AVAILABLE ON THE OAKDALE IRRIGATION DISTRICT WEB SITE (www.oakdaleirrigation.com) ON MONDAY, NOVEMBER 15, 2021 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 OAKDALE IRRIGATION DISTRICT WEB SITE (www.oakdaleirrigation.com).

**INFORMATION FOR SPECIAL MEETING DURING SHELTER IN PLACE ORDER
(Effective 3/27/2020 – until further notice):**

Pursuant to California Governor Gavin Newsom's Executive Order N-29-20, a local legislative body is authorized to hold public meetings via teleconferencing and to make public meetings accessible telephonically or otherwise electronically to all members of the public who wish to participate and to provide public comment to the local legislative body during the current health emergency. The Tri-Dam Project and Tri-Dam Power Authority Board of Directors (Tri-Dam Directors) will adhere to and implement the provisions of the Governor's Executive Order related to the Brown Act and the utilization of technology to facilitate participation.

*The location of the Tri-Dam meeting will be at the offices of the South San Joaquin Irrigation District, 11011 Highway 120, Manteca. Be advised these facilities are currently closed to public access due to implemented protection measures for the COVID-19 virus. **The public will not be granted access to these facilities.**

****Public members who wish to participate, listen to, and provide comment on agenda items can do so by telephone by calling (669) 900-6833, then entering Meeting ID: 981-2027-6218, password 700546. 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 dbarney@ssjid.com by 4:30 p.m., Wednesday, November 17, 2021.

In addition to the mandatory conditions set forth above, the Tri-Dam Directors will use sound discretion and make reasonable efforts to adhere as closely as reasonably possible to the provisions of the Brown Act, and other applicable local laws regulating the conduct of public meetings.

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) 249-4623, as far in advance as possible but no later than 24 hours before the scheduled event. The best effort to fulfill the request will be made.

CALL TO ORDER

PLEDGE OF ALLEGIANCE

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

PUBLIC COMMENT

CONSENT CALENDAR

ITEMS 1 - 2

1. Approve the regular board meeting minutes of October 21, 2021.
2. Approve the October financial statements and statement of obligations.

ACTION CALENDAR

ITEMS 3 - 12

3. Discuss and consider adoption of Resolution TDP 2021-07 to implement teleconferencing requirements during a proclaimed state of emergency
 4. Consider adoption of Tim O’Laughlin, PLC rate schedule
 5. Consider adoption of FishBio 2022 research and monitoring
 6. Award contract for construction of the Tulloch Day Use Recreation Site
 7. Review and authorize the General Manager to sign a professional services agreement with Dillon & Murphy Consulting Engineers and Condor Earth for construction phase engineering services for Tulloch Day Use Recreation Site
 8. Discuss and consider adoption of the 2022 Draft Budget
 9. CalPERS Unfunded Accrued Liability
 10. Discussion and possible action to approve Stephen’s Mechanical invoice for Beardsley PRV work
 11. JPIA Board of Directors – Member / Alternate
 12. Holiday time off between Christmas and New Year’s for all Tri-Dam employees
-

DISCUSSION

ITEMS 13 - 14

13. 2021 IBEW Incentive Program
 14. Tri-Dam Project and Tri-Dam Power Authority Transition Update
-

COMMUNICATIONS

ITEMS 15 - 18

15. Staff reports as follows:
 - a. General Manager Report
 - b. Operations & Maintenance Report
 - c. Compliance Report
 16. Generation Report
 17. Fisheries studies on the Lower Stanislaus River
 18. Directors' Comments
-

CLOSED SESSION

ITEM 19

19. a. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION
Government Code § 54956.9(d)(1)
 1. *Tri-Dam v. Scott Frazier*
Eastern District of California Case No. 1:20-cv-00408-SKO
 2. *SJTA v. State Water Resources Control Board*
Judicial Council Coordination Proceeding 5013
 3. *SJTA v. State Water Resources Control Board*
Fresno County Superior Court, Case No. 21CECG02632
- b. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION
Possible Initiation of Litigation
Government Code § 54956.9(d)(4)
Three (3) cases
- c. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION
Significant Exposure to Litigation
Government Code § 54956.9(d)(2)
Two (2) cases
- d. CONFERENCE WITH REAL PROPERTY NEGOTIATOR
Government Code § 54956.8
Negotiating Parties: Oakdale Irrigation District, South San Joaquin Irrigation District, and
Chicken Ranch Rancheria Band of Mi-Wuks
Property: Water
Agency Negotiators: OID & SSJID General Managers and Water Counsel
Under Negotiations: Price and Terms of payment of sale

ADJOURNMENT**ITEM 20**

20. Adjourn to the next regularly scheduled meeting

MEETING MINUTES

BOARD AGENDA REPORT

Date: 11/18/2021
Staff: Brian Jaruszewski

SUBJECT: Tri-Dam Project October 2021 Minutes

RECOMMENDED ACTION: Recommend Approval of October 21, 2021 Minutes

BACKGROUND AND/OR HISTORY:

FISCAL IMPACT:

ATTACHMENTS:

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) Holmes (Yes/No) Kamper (Yes/No) Spyksma (Yes/No) Weststeyn (Yes/No)

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

October 21, 2021
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 located 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 Holmes called the meeting to order at 9:00 a.m.

OID DIRECTORS

SSJID DIRECTORS

DIRECTORS PRESENT:

TOM ORVIS
ED TOBIAS
LINDA SANTOS
BRAD DeBOER

BOB HOLMES
GLENN SPYKSMA
JOHN HOLBROOK
MIKE WESTSTEYN
DAVE KAMPER

DIRECTORS ABSENT:
HERMAN DOORNENBAL

Also, Present:

Jarom Zimmerman, General Manager, Tri-Dam Project; Brian Jaruszewski, Finance and Administrative Manager, Tri-Dam Project; Genna Modrell, Admin. & Finance Asst., Tri-Dam Project; Susan Larson, Compliance Coordinator, Tri-Dam Project; Steve Knell, General Manager, OID; Sharon Cisneros, CFO, OID; Peter Rietkerk, General Manager, SSJID; Mia Brown, General Counsel, SSJID; Brandon Nakagawa, Water Resources Coordinator, SSJID

PUBLIC COMMENT

None.

CONSENT CALENDAR

ITEM #1 Approve the regular board meeting minutes of September 16, 2021.

Director Orvis moved to approve the consent calendar. Director Holbrook seconded the motion.

The motion passed by the following roll call vote:

AYES: Orvis, Santos, Tobias, Holbrook, Holmes, Kamper, Spyksma, Weststeyn

NOES: None

ABSTAINING: None

ABSENT: Doornenbal, DeBoer

ACTION CALENDAR

ITEM #4 Discuss and consider adoption of Resolution TDP 2021-06 to implement teleconferencing requirements during a proclaimed state of emergency.

Mia Brown provided a brief overview and responded to Director questions.

Director Weststeyn moved to approve as presented. Director Santos seconded the motion.

The motion passed by the following roll call vote:

AYES: Orvis, Santos, Tobias, Holbrook, Holmes, Kamper, Spyksma, Weststeyn

NOES: None

ABSTAINING: None

ABSENT: Doornenbal, DeBoer

ITEM #2 Discussion and possible action to approve 3rd quarter 2021 financial statements and September 2021 statement of obligations.

Brian Jaruszewski presented the fiscal year 2021 3rd quarter financial statements and September 2021 statement of obligations, and responded to Director questions.

Director Holbrook moved to approve as presented. Director Santos seconded the motion.

The motion passed by the following roll call vote:

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

NOES: None

ABSTAINING: None

ABSENT: Doornenbal

ITEM #3 Approve Silicon Valley Power Purchase Agreement Amendment.

Jarom Zimmerman presented an amendment to the power purchase agreement to ensure SVP is aware of the transition between Project and Authority and agrees to continue with the responsibilities outlined in the power purchase agreement, whether we are acting as Tri-Dam Project, Tri-Dam Power Authority, or collectively as both.

Director Kamper moved to approve as presented. Director Santos seconded the motion.

The motion passed by the following roll call vote:

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

NOES: None

ABSTAINING: None

ABSENT: Doornenbal

ITEM #5 Annual / Multi-Year SCADA System Licensing and Support Agreement.

Jarom Zimmerman presented a 3-year support contract with Siemens including software updates and responded to Director questions.

Director Spyksma moved to approve as presented. Director Orvis seconded the motion.

The motion passed by the following roll call vote:

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

NOES: None

ABSTAINING: None

ABSENT: Doornenbal

ITEM #6 Vehicle Purchase Request – 2021 Ford Super Duty F-250 XL

Jarom Zimmerman presented a 2021 Ford Super Duty F250 XL currently on the lot and explained the need to replace a 1997 Ford and the opportunity to order a 2022 has passed and responded to Director questions.

Director Holbrook moved to approve as presented. Director Santos seconded the motion.

The motion passed by the following roll call vote:

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

NOES: None

ABSTAINING: None

ABSENT: Doornenbal

ITEM #7 CalPERS Unfunded Liability Update

President Holmes suggested moving item #7 to the action calendar.

Director Holbrook moved to approve moving item #7 to the action calendar. Director Santos seconded the motion.

The motion fails due to lack of quorum.

AYES: Santos, Holbrook, Holmes, Kamper, Spyksma, Weststeyn

NOES: DeBoer, Orvis, Tobias

ABSTAINING: None

ABSENT: Doornenbal

The current balance of the unfunded accrued liability was discussed, as well as the range of options for reducing the amount of the liability. A preliminary analysis indicates that there would be a long-term cost savings by making an additional discretionary payment. Because no action was taken, the amount of the liability and funding options will be revisited.

ITEM #8 Tri-Dam Project and Tri-Dam Power Authority Transition and Draft Resolution.

Jarom Zimmerman updated the Board on progress relating to the deeds and issues with CalPERS regarding the Classic members and added that the new target date will be July 2022 as there are still many unanswered questions.

COMMUNICATIONS

ITEM #9 Staff Reports

In addition to the written staff reports, Susan Larson provided an update on the Emergency Action Plan with CalOES, advised she would be filing for a FERC extension and added that the pre-bid meeting at the day use site was held on October 20th.

ITEM #10 Generation Report

No discussion.

ITEM #11 Fisheries Studies on the Lower Stanislaus River

No discussion.

ITEM #12 Directors Comments

Directors Holbrook and Santos thanked staff for the information presented. Director Orvis advised that he attended the TuCARE Summit with Jarom Zimmerman and enjoyed listening to the new USFS Chief talk about logging, grazing, thinning, and fire suppression as future options for forest management.

Recess to Tri-Dam Power Authority

President Holmes recessed to the Tri-Dam Power Authority Board of Commissioners meeting at 10:43 a.m.

The Tri-Dam Project meeting resumed at 10:53 a.m. after the Tri-Dam Power Authority meeting adjourned.

President Holmes announced before closed session that the following items would be discussed. The Board took a brief recess at 10:53 a.m. and convened to Closed Session at 11:00 a.m.

ITEM #12 Closed Session

- a. **CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION**
Government Code § 54956.9(d)(1)
 1. *SJTA v. State Water Resources Control Board*
Judicial Council Coordination Proceeding 5013
 2. *Tri-Dam v. MWH Americas, Inc., et al*
Tuolumne County Superior Court, Case No. CV61638
- b. **CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION**
Possible Initiation of Litigation
Government Code § 54956.9(d)(4)
Two (2) cases

- c. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION
Significant Exposure to Litigation
Government Code § 54956.9(d)(2)
Two (2) cases

- d. CONFERENCE WITH REAL PROPERTY NEGOTIATOR
Government Code § 54956.8
Negotiating Parties: Oakdale Irrigation District, South San Joaquin Irrigation District,
and Chicken Ranch Rancheria Band of Mi-Wuks
Property: Water
Agency Negotiators: OID & SSJID General Managers and Water Counsel
Under Negotiations: Price and Terms of payment of sale

At the hour of 11:47 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 Orvis adjourned the meeting at 11:48 a.m.

The next regular board meeting is scheduled for November 18, 2021, at the offices of South San Joaquin Irrigation District, Manteca, California beginning at 9:00 a.m.

ATTEST:

Jarom Zimmerman
Secretary, Tri-Dam Project

FINANCIALS

BOARD AGENDA REPORT

Date: 11/18/2021
Staff: Brian Jaruszewski

SUBJECT: Tri-Dam Project October 2021 Financial Statements

RECOMMENDED ACTION: Recommend Approval of October 2021 Financial Statements and Statement of Obligations

BACKGROUND AND/OR HISTORY:

Financial Statements (Balance Sheet and Income Statement) for Tri-Dam Project are presented monthly for approval. Note that these are unaudited financial statements. As such, they include accruals for certain revenues and expenditures.

Also submitted for approval is the Statement of Obligations for Tri-Dam Project.

FISCAL IMPACT: See Attachments

ATTACHMENTS: Tri-Dam Project Financial Statements
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) Holmes (Yes/No) Kamper (Yes/No) Spyksma (Yes/No) Weststeyn (Yes/No)



Tri-Dam Project
Balance Sheets
(unaudited)

	October 31, 2021	September 30, 2021	October 31, 2020
1 Assets			
2 Cash	\$ 6,732,879	\$ 5,735,459	\$ 7,430,286
3 Investment Securities & Money Market	15,428,483	15,462,942	13,921,577
4 Accounts Receivable	2,097,852	2,326,097	3,065,836
5 Prepaid Expenses	519,872	586,507	521,489
6 Capital Assets	112,116,358	111,944,557	107,591,030
7 Accumulated Depreciation	(54,181,588)	(54,017,264)	(52,388,568)
8 Intangible Assets	8,213,938	8,213,938	8,213,938
9 Accumulated Amortization - Intangibles	(2,550,790)	(2,531,329)	(2,336,719)
10 Other Assets	59,268	59,268	32,225
11 Deferred Outflows - Pension Related	1,703,113	1,703,113	3,095,459
12 Total Assets & Deferred Outflows	90,139,384	89,483,287	89,146,553
13			
14			
15 Liabilities			
16 Accounts Payable	120,415	114,612	305,144
17 Other Current Liabilities	371,318	379,876	420,549
18 Long-Term Liabilities	4,642,806	4,642,806	4,289,237
19 Deferred Inflows - Pension Related	1,112,546	1,112,546	2,576,399
20 Total Liabilities & Deferred Inflows	6,247,086	6,249,841	7,591,329
21			
22 Net Position			
23 Net Position - Beginning of Year	84,522,730	84,522,730	90,060,492
24 Contributed Capital - Districts	602,963	602,963	602,963
25 Distributions	(10,958,000)	(10,958,000)	(25,142,000)
26 YTD Net Revenues	9,724,604	9,065,753	16,033,770
27 Total Net Position	83,892,298	83,233,446	81,555,225
28			
29			
30 Total Liabilities and Net Position	\$ 90,139,384	\$ 89,483,287	\$ 89,146,553



Tri-Dam Project
Statement of Revenues and Expenses
 Period Ending October 31, 2021

	YTD Budget	YTD Actual	YTD Budget Variance	Prior Year Actual	Prior Year Variance	2021 Budget	Percent of 2021 Budget Remaining
1 Operating Revenues							
2 Power Sales	\$ 29,980,836	\$ 17,705,431	\$ (12,275,405)	\$ 24,333,997	\$ (6,628,565)	\$ 35,977,003	51%
3 Headwater Benefit	306,128	270,000	(36,128)	270,000	-	367,354	27%
4 Total Operating Revenues	30,286,964	17,975,431	(12,311,533)	24,603,997	(6,628,565)	36,344,357	51%
5							
6 Operating Expenses							
7 Salaries and Wages	2,059,112	1,848,079	(211,033)	1,854,504	(8,426)	2,433,496	25%
8 Benefits and Overhead	1,478,893	1,558,860	79,966	1,460,907	97,952	1,774,672	12%
9 Operations	165,846	88,511	(77,335)	88,728	(216)	199,016	58%
10 Maintenance	1,133,583	488,240	(645,343)	625,739	(337,499)	1,360,300	64%
11 General & Administrative	4,103,123	2,945,420	(1,157,703)	3,329,539	(384,120)	4,923,747	40%
12 Depreciation & Amortization	1,747,000	1,761,678	14,678	1,738,821	22,857	2,096,400	16%
13 Total Operating Expenses	10,687,557	8,690,787	(1,996,770)	9,298,237	(807,450)	12,787,630	32%
14							
15 Net Income From Operations	19,599,407	9,284,644	(10,314,763)	15,305,760	(6,021,115)	23,556,727	61%
16							
17 Nonoperating Revenues (Expenses)							
18 Investment Earnings	129,167	135,080	5,914	196,822	(61,741)	155,000	13%
19 Change in Market Value of Investments	-	(90,828)	(90,828)	111,703	(202,532)	-	NA
20 Water Sales	136,614	124,500	(14,114)	124,500	-	166,336	25%
21 Equipment Rental	-	2,000	2,000	22,000	(20,000)	-	NA
22 Gain/(Loss) on Asset Disposal	-	24,048	24,048	10,820	13,228	-	NA
23 Reimbursements	177,724	151,050	(26,674)	155,579	(4,529)	213,269	29%
24 Other Nonoperating Revenue	84,917	94,111	9,194	106,587	(12,476)	101,900	8%
25 Total Nonoperating Revenues (Expenses)	530,421	439,960	(90,461)	728,010	(288,050)	636,505	31%
26							
27 Net Revenues	\$ 20,129,828	\$ 9,724,604	\$ (10,405,224)	\$ 16,033,770	\$ (8,309,165)	\$ 24,193,232	60%
28							
29							
30							
31 Memo:							
32 Capital Expenditures	\$ 1,328,804	\$ 266,080	\$ (1,072,724)			\$ 1,594,565	
33 Tulloch Day Use Site	\$ 1,250,000	\$ 142,545	\$ (1,107,455)			\$ 1,500,000	
34 Major Repairs - Heils Half Acre & 4700 Roads	\$ 183,333	\$ 12,735	\$ (170,598)			\$ 220,000	
35 Major Repairs - Tulloch Unit 3 Access Rd	\$ 1,856,333	\$ 24,461	\$ (1,833,872)			\$ 2,230,000	



Tri-Dam Project
Statement of Revenues and Expenses
 Period Ending October 31, 2021

	MTD Budget	MTD Actual	MTD Budget Variance	Prior Year MTD Actual	Prior Year MTD Var	2021 Budget	Percent of 2021 Budget Remaining
1 Operating Revenues							
2 Power Sales	\$ 2,998,084	\$ 1,500,181	\$ (1,487,903)	\$ 1,744,671	\$ (244,490)	\$ 35,977,003	58%
3 Headwater Benefit	30,613	-	(30,613)	-	-	367,354	100%
4 Total Operating Revenues	3,028,696	1,500,181	(1,528,515)	1,744,671	(244,490)	36,344,357	59%
5							
6 Operating Expenses							
7 Salaries and Wages	280,788	196,061	(84,727)	238,066	(42,005)	2,433,496	42%
8 Benefits and Overhead	147,889	132,058	(15,831)	135,593	(3,524)	1,774,672	26%
9 Operations	16,585	16,369	(216)	1,956	14,413	199,016	18%
10 Maintenance	113,358	58,984	(54,374)	166,598	(97,612)	1,380,300	57%
11 General & Administrative	410,312	252,515	(157,797)	240,426	12,089	4,923,747	49%
12 Depreciation & Amortization	174,700	176,243	1,543	174,064	2,179	2,096,400	16%
13 Total Operating Expenses	1,143,833	832,230	(311,402)	946,691	(114,461)	12,787,630	39%
14							
15 Net Income From Operations	1,885,064	667,951	(1,217,113)	797,980	(130,029)	23,556,727	70%
16							
17 Nonoperating Revenues (Expenses)							
18 Investment Earnings	12,917	4,085	(8,831)	11,973	(7,898)	155,000	74%
19 Change in Market Value of Investments	-	(22,986)	(22,986)	(11,975)	(11,011)	-	NA
20 Water Sales	13,861	-	(13,861)	-	-	166,336	100%
21 Equipment Rental	-	200	200	2,200	(2,000)	-	NA
22 Gain/(Loss) on Asset Disposal	-	-	-	-	-	-	NA
23 Reimbursements	17,772	5,956	(11,817)	6,049	(93)	213,269	72%
24 Other Nonoperating Revenue	8,492	3,646	(4,846)	7,427	(3,781)	101,900	84%
25 Total Nonoperating Revenues (Expenses)	53,042	(9,099)	(62,141)	27,649	(24,774)	636,505	114%
26							
27 Net Revenues	\$ 1,938,106	\$ 656,851	\$ (1,279,254)	\$ 825,629	\$ (154,803)	\$ 24,193,232	72%
28							
29							
30							
31 Memo:	MTD Budget	MTD Actual	MTD Budget Variance			2021 Budget	
32 Capital Expenditures	\$ 132,880	\$ 146,807	\$ 13,927			\$ 1,594,565	
33 Tulloch Day Use Site	\$ 125,000	\$ -	\$ (125,000)			\$ 1,500,000	
34 Major Repairs - Hells Half Acre & 4700 Roads	\$ 18,333	\$ -	\$ (18,333)			\$ 220,000	
35 Major Repairs - Tulloch Unit 3 Access Rd	\$ 185,833	\$ -	\$ (185,833)			\$ 2,230,000	

General Ledger
Expense vs Budget with
Encumbrances by Fund

User: BJaruszewski
Printed: 11/9/2021 11:10:16 AM
Period 01 - 10
Fiscal Year 2021



Fund	Description	Budget	Period Amt	End Bal	Variance	Encumbered	Available	% Available
1	Corporate							
1	Bank Fees & Charges	13,500.00	8,098.06	8,098.06	5,401.94	0.00	5,401.94	40.01
1	Pension Expense-GASB 68	0.00	294,970.00	294,970.00	-294,970.00	0.00	-294,970.00	0.00
1	Corporate	13,500.00	303,068.06	303,068.06	-289,568.06	0.00	-289,568.06	-2,144.95
1	Operations							
1	Electric Exp Labor	822,002.00	983,950.26	983,950.26	-161,948.26	0.00	-161,948.26	-19.70
1	Electric Exp OH	569,306.00	439,091.09	439,091.09	130,214.91	0.00	130,214.91	22.87
1	Interconnection Exp 3rd Unit	2,050.00	1,682.80	1,682.80	367.20	0.00	367.20	17.91
1	Power House & Dam Util	34,200.00	20,199.59	20,199.59	14,000.41	0.00	14,000.41	40.94
1	Monitoring Surveying	5,500.00	4,000.00	4,000.00	1,500.00	7,000.00	-5,500.00	-100.00
1	Operations Office Supplies	4,800.00	1,914.58	1,914.58	2,885.42	0.00	2,885.42	60.11
1	Dam Supplies	8,800.00	4,245.85	4,245.85	4,554.15	0.00	4,554.15	51.75
1	Furnishings & Misc. Equipment	6,000.00	1,743.15	1,743.15	4,256.85	0.00	4,256.85	70.95
1	Safety Supplies & Related	29,965.00	14,863.58	14,863.58	15,101.42	0.00	15,101.42	50.40
1	Site Utilities ME	45,600.00	38,498.97	38,498.97	7,101.03	0.00	7,101.03	15.57
1	Resource Mgmt USFS Beardsley	110,000.00	164,378.65	164,378.65	-54,378.65	0.00	-54,378.65	-49.44
1	Travel & Conference	23,900.00	0.00	0.00	23,900.00	0.00	23,900.00	100.00
1	Schools & Training	16,700.00	3,125.00	3,125.00	13,575.00	0.00	13,575.00	81.29
1	Trustee Fees Operations	2,100.00	0.00	0.00	2,100.00	0.00	2,100.00	100.00
1	WECC Dynamic Modeling	19,500.00	990.00	990.00	18,510.00	18,510.00	0.00	0.00
1	Small Tools	2,000.00	157.81	157.81	1,842.19	0.00	1,842.19	92.11
1	Depreciation	1,862,868.00	1,567,068.32	1,567,068.32	295,799.68	0.00	295,799.68	15.88
1	FERC Relicense Amortization	83,100.00	69,249.90	69,249.90	13,850.10	0.00	13,850.10	16.67
1	Beardsley Recreation Amort	150,432.00	125,360.20	125,360.20	25,071.80	0.00	25,071.80	16.67
1	Operations	3,798,823.00	3,440,519.75	3,440,519.75	358,303.25	25,510.00	332,793.25	8.76
1	Maintenance							
1	Comms & Security Labor	1,149,668.00	819,668.87	819,668.87	329,999.13	0.00	329,999.13	28.70
1	Comms & Security OH	863,446.00	348,047.03	348,047.03	515,398.97	0.00	515,398.97	59.69
1	Maintenance Office Supplies	1,500.00	322.03	322.03	1,177.97	0.00	1,177.97	78.53
1	Safety Supplies & Related	25,500.00	10,537.25	10,537.25	14,962.75	0.00	14,962.75	58.68
1	Maint & Repairs - Structures	103,200.00	30,554.69	30,554.69	72,645.31	0.00	72,645.31	70.39
1	Maint & Repairs - Facilities	96,500.00	49,017.56	49,017.56	47,482.44	9,631.73	37,850.71	39.22
1	Maint & Repairs - Plant	227,700.00	28,938.56	28,938.56	198,761.44	3,690.60	195,070.84	85.67
1	Electronic Exp	60,000.00	10,093.74	10,093.74	49,906.26	328.37	49,577.89	82.63
1	Site Improvements	5,000.00	731.86	731.86	4,268.14	0.00	4,268.14	85.36
1	Misc Hydro Expense	34,000.00	11,531.97	11,531.97	22,468.03	0.00	22,468.03	66.08

Fund	Description	Budget	Period Amt	End Bal	Variance	Encumbered	Available	% Available
1	ComputerMicro Repair Replace	35,800.00	39,783.89	39,783.89	-3,983.89	4,500.00	-8,483.89	-23.70
1	Radio Repair & Replace	2,700.00	0.00	0.00	2,700.00	0.00	2,700.00	100.00
1	Power Line Repair & Maint	15,000.00	0.00	0.00	15,000.00	0.00	15,000.00	100.00
1	Comms & Security	81,500.00	27,109.44	27,109.44	54,390.56	31,355.02	23,035.54	28.26
1	Routine Road Maintenance	76,000.00	2,359.33	2,359.33	73,640.67	0.00	73,640.67	96.90
1	Travel & Conference	11,400.00	0.00	0.00	11,400.00	0.00	11,400.00	100.00
1	Schools & Training	20,400.00	6,486.68	6,486.68	13,913.32	0.00	13,913.32	68.20
1	Reservoir Management	50,500.00	16,019.42	16,019.42	34,480.58	0.00	34,480.58	68.28
1	Rolling Stock MaintRepair	100,000.00	70,754.77	70,754.77	29,245.23	0.00	29,245.23	29.25
1	Shop Supplies	25,000.00	19,042.14	19,042.14	5,957.86	0.00	5,957.86	23.83
1	Small Tools	20,000.00	24,067.96	24,067.96	-4,067.96	0.00	-4,067.96	-20.34
1	Miscellaneous Equipment	28,900.00	6,511.16	6,511.16	22,388.84	0.00	22,388.84	77.47
1	Disposal Expense	6,000.00	5,405.48	5,405.48	594.52	0.00	594.52	9.91
1	Fuel and Fuel Tax	105,000.00	82,673.66	82,673.66	22,326.34	0.00	22,326.34	21.26
1	Equipment Operation & Maint	8,700.00	780.24	780.24	7,919.76	0.00	7,919.76	91.03
1	Major Road Repairs	220,000.00	15,000.52	15,000.52	204,999.48	0.00	204,999.48	93.18
1	Maintenance	3,373,414.00	1,625,438.25	1,625,438.25	1,747,975.75	49,505.72	1,698,470.03	50.35
1	Administrative							
1	Administrative Labor	461,824.00	16,149.55	16,149.55	445,674.45	0.00	445,674.45	96.50
1	Administrative OH	341,921.00	463,564.70	463,564.70	-121,643.70	0.00	-121,643.70	-35.58
1	Office & Administrative Expens	35,800.00	30,350.40	30,350.40	5,449.60	500.00	4,949.60	13.83
1	Prof. Organizations & Subscrip	27,165.00	20,960.91	20,960.91	6,204.09	0.00	6,204.09	22.84
1	Utilities Straw	43,000.00	38,410.88	38,410.88	4,589.12	0.00	4,589.12	10.67
1	Travel & Conference	22,500.00	4,816.80	4,816.80	17,683.20	0.00	17,683.20	78.59
1	Meals	5,000.00	2,690.05	2,690.05	2,309.95	0.00	2,309.95	46.20
1	Drug Testing & Physicals	2,000.00	755.20	755.20	1,244.80	0.00	1,244.80	62.24
1	Computers and Related	11,100.00	1,228.21	1,228.21	9,871.79	0.00	9,871.79	88.94
1	Schools & Training	2,500.00	299.00	299.00	2,201.00	0.00	2,201.00	88.04
1	Telephone Expense	28,800.00	35,216.81	35,216.81	-6,416.81	0.00	-6,416.81	-22.28
1	Data Communications Services	4,400.00	4,082.13	4,082.13	317.87	0.00	317.87	7.22
1	Website Internet & Network	55,800.00	37,625.61	37,625.61	18,174.39	7,281.00	10,893.39	19.52
1	Legal Fees	353,000.00	162,214.69	162,214.69	190,785.31	0.00	190,785.31	54.05
1	Reservoir Management	2,000.00	0.00	0.00	2,000.00	0.00	2,000.00	100.00
1	Auditing Services	13,410.00	14,744.00	14,744.00	-1,334.00	0.00	-1,334.00	-9.95
1	Accounting & PR Software & Svc	10,550.00	11,075.40	11,075.40	-525.40	0.00	-525.40	-4.98
1	FERC Part 12 Inspections	150,000.00	26,972.93	26,972.93	123,027.07	0.00	123,027.07	82.02
1	Stategic Communication PR	25,000.00	5,750.00	5,750.00	19,250.00	19,250.00	0.00	0.00
1	License Condition Implement	55,000.00	0.00	0.00	55,000.00	1,756.63	53,243.37	96.81
1	Shoreline Erosion Mgmt Plan	500,000.00	0.00	0.00	500,000.00	0.00	500,000.00	100.00
1	Tulloch Shoreline Mgmt Plan	3,000.00	0.00	0.00	3,000.00	0.00	3,000.00	100.00
1	Mussel Risk, Insp & Monitor	3,000.00	0.00	0.00	3,000.00	0.00	3,000.00	100.00
1	FERC Cultural Resource Tulloch	99,917.00	6,858.00	6,858.00	93,059.00	23,637.21	69,421.79	69.48
1	FERC Cultural Res - DonnBeard	30,000.00	17,616.19	17,616.19	12,383.81	44,932.31	-32,548.50	-108.50
1	FERC Cult Res Mon. Ongoing	84,800.00	0.00	0.00	84,800.00	0.00	84,800.00	100.00
1	Fish Study Publications	100,000.00	78,115.00	78,115.00	21,885.00	21,885.00	0.00	0.00
1	USBR Pln of Opr & SWRCB	360,000.00	383,756.00	383,756.00	-23,756.00	0.00	-23,756.00	-6.60
1	Lower River Non-native Investi	500,000.00	495,063.16	495,063.16	4,936.84	4,936.84	0.00	0.00
1	Adult Chinook Life Cycle	200,000.00	196,480.13	196,480.13	3,519.87	3,519.87	0.00	0.00
1	Reliability Consulting	25,000.00	5,977.23	5,977.23	19,022.77	3,200.00	15,822.77	63.29

Fund	Description	Budget	Period Amt	End Bal	Variance	Encumbered	Available	% Available
1	Labor Relations NegConsulting	12,000.00	0.00	0.00	12,000.00	0.00	12,000.00	100.00
1	Haz Mat Business Plan	2,500.00	0.00	0.00	2,500.00	0.00	2,500.00	100.00
1	Legal Fees Fish Studies	25,000.00	23,332.50	23,332.50	1,667.50	1,667.50	0.00	0.00
1	Liability Insurance	493,950.00	497,548.57	497,548.57	-3,598.57	0.00	-3,598.57	-0.73
1	Property and Use Taxes	10,000.00	16,364.41	16,364.41	-6,364.41	0.00	-6,364.41	-63.64
1	Legal-Stan River Basin Plan	10,000.00	0.00	0.00	10,000.00	0.00	10,000.00	100.00
1	Stanislaus River Basin Plan	685,000.00	13,255.00	13,255.00	671,745.00	588,171.90	83,573.10	12.20
1	Dam Safety Fees	271,300.00	207,726.04	207,726.04	63,573.96	7,655.26	55,918.70	20.61
1	State Water Rights Fees	27,375.00	0.00	0.00	27,375.00	0.00	27,375.00	100.00
1	FERC Admin & Land Fees	205,000.00	170,570.90	170,570.90	34,429.10	0.00	34,429.10	16.79
1	Streamgaging	73,200.00	61,075.00	61,075.00	12,125.00	12,350.00	-225.00	-0.31
1	Streamgaging Cert USGS	52,480.00	39,067.42	39,067.42	13,412.58	0.00	13,412.58	25.56
1	FERC USBR HWB Tulloch	90,500.00	75,416.70	75,416.70	15,083.30	0.00	15,083.30	16.67
1	USFS Permit Fees	11,600.00	12,774.78	12,774.78	-1,174.78	0.00	-1,174.78	-10.13
1	EAP & Other Plan Updates	6,000.00	5,518.50	5,518.50	481.50	3.71	477.79	7.96
1	Legal - District Water Rights	60,000.00	51,408.50	51,408.50	8,591.50	0.00	8,591.50	14.32
1	Relicense Special Consultants	9,500.00	23,433.95	23,433.95	-13,933.95	0.00	-13,933.95	-146.67
1	Administrative	5,601,892.00	3,258,265.25	3,258,265.25	2,343,626.75	740,747.23	1,602,879.52	28.61
1	Capital Exp Fixed Asset							
1	Capital Labor	90,125.00	28,309.84	28,309.84	61,815.16	0.00	61,815.16	68.59
1	Capital OH	38,625.00	13,186.76	13,186.76	25,438.24	0.00	25,438.24	65.86
1	Switch yard LED Lighting	11,000.00	5,504.07	5,504.07	5,495.93	0.00	5,495.93	49.96
1	O'Byrnes Public Access Prop	1,470,000.00	52,485.35	52,485.35	1,417,514.65	0.00	1,417,514.65	96.43
1	Survey install new staff gauge	6,000.00	0.00	0.00	6,000.00	0.00	6,000.00	100.00
1	Move Gen out of Eq. Bldg	10,000.00	0.00	0.00	10,000.00	0.00	10,000.00	100.00
1	Abay bldg for gate controls	5,500.00	0.00	0.00	5,500.00	0.00	5,500.00	100.00
1	Re-roof Bldg Beard Gate House	40,000.00	34,285.00	34,285.00	5,715.00	0.00	5,715.00	14.29
1	24DC Battery Chargers	8,400.00	0.00	0.00	8,400.00	0.00	8,400.00	100.00
1	Beardsley water tank	90,000.00	4,300.00	4,300.00	85,700.00	0.00	85,700.00	95.22
1	Gov modern chg to Woodward	85,000.00	12,045.64	12,045.64	72,954.36	0.00	72,954.36	85.83
1	Parts Washer	4,000.00	0.00	0.00	4,000.00	0.00	4,000.00	100.00
1	Self Dumping Hoppers	4,500.00	0.00	0.00	4,500.00	0.00	4,500.00	100.00
1	Blk Crk Gate, Pole repl, etc	7,500.00	0.00	0.00	7,500.00	0.00	7,500.00	100.00
1	Div Tower & Comm site install	328,915.00	466.80	466.80	328,448.20	0.00	328,448.20	99.86
1	Pumpmotor Rebuilds	36,000.00	0.00	0.00	36,000.00	0.00	36,000.00	100.00
1	Donn wheeljet brake cone repr	100,000.00	0.00	0.00	100,000.00	0.00	100,000.00	100.00
1	Donn Gov Upgrd to new hardware	128,000.00	11.55	11.55	127,988.45	0.00	127,988.45	99.99
1	Spare MCC bucket parts	25,000.00	740.37	740.37	24,259.63	21,782.13	2,477.50	9.91
1	Rock Crusher	100,000.00	324.46	324.46	99,675.54	0.00	99,675.54	99.68
1	High bay LED lighting	20,000.00	0.00	0.00	20,000.00	0.00	20,000.00	100.00
1	E-Gen replacement	40,000.00	0.00	0.00	40,000.00	0.00	40,000.00	100.00
1	RTAC Programming	20,000.00	0.00	0.00	20,000.00	0.00	20,000.00	100.00
1	Separate Tull & Div dish@ME	12,000.00	0.00	0.00	12,000.00	0.00	12,000.00	100.00
1	Sierra Controls additions	30,000.00	0.00	0.00	30,000.00	0.00	30,000.00	100.00
1	Spare SS Trans 480V-240V	5,000.00	0.00	0.00	5,000.00	0.00	5,000.00	100.00
1	SF6 gas analyzer	22,000.00	0.00	0.00	22,000.00	0.00	22,000.00	100.00
1	NEC Phone	5,000.00	0.00	0.00	5,000.00	0.00	5,000.00	100.00
1	Microwave battery banks	80,000.00	0.00	0.00	80,000.00	0.00	80,000.00	100.00
1	Network Analyzer	13,000.00	12,997.20	12,997.20	2.80	0.00	2.80	0.02

Fund	Description	Budget	Period Amt	End Bal	Variance	Encumbered	Available	% Available
1	IP network infrastruc switches	9,000.00	0.00	0.00	9,000.00	0.00	9,000.00	100.00
1	Re-roof building ME	25,000.00	27,655.00	27,655.00	-2,655.00	0.00	-2,655.00	-10.62
1	Primary & back up AC repl	18,000.00	0.00	0.00	18,000.00	21,994.50	-3,994.50	-22.19
1	Sep Tull & Div dishes ME	8,000.00	0.00	0.00	8,000.00	0.00	8,000.00	100.00
1	Redundant AC Straw Pk	20,000.00	0.00	0.00	20,000.00	21,994.50	-1,994.50	-9.97
1	Porta Cool	5,000.00	3,264.70	3,264.70	1,735.30	0.00	1,735.30	34.71
1	Tull skimmer gate actuator	17,000.00	0.00	0.00	17,000.00	0.00	17,000.00	100.00
1	Tull office furniture	5,000.00	0.00	0.00	5,000.00	0.00	5,000.00	100.00
1	125VDC Battery	40,000.00	32,242.50	32,242.50	7,757.50	0.00	7,757.50	19.39
1	Tull Cooling Water pump #1	10,000.00	0.00	0.00	10,000.00	0.00	10,000.00	100.00
1	Tull Unit 3 Relay testing	5,000.00	0.00	0.00	5,000.00	0.00	5,000.00	100.00
1	Compliance Coord Vehicle	35,000.00	0.00	0.00	35,000.00	0.00	35,000.00	100.00
1	1 Ton Flatbed	62,000.00	57,570.87	57,570.87	4,429.13	0.00	4,429.13	7.14
1	Tulloch Spillway	2,230,000.00	593.75	593.75	2,229,406.25	38,615.25	2,190,791.00	98.24
1	Tulloch E-Gen Replacement	0.00	34,982.39	34,982.39	-34,982.39	0.00	-34,982.39	0.00
1	Capital Exp Fixed Asset	5,324,565.00	320,966.25	320,966.25	5,003,598.75	104,386.38	4,899,212.37	92.01
Expense Total		18,112,194.00	8,948,257.56	8,948,257.56	9,163,936.44	920,149.33	8,243,787.11	0.4552
1	Tri Dam Project	18,112,194.00	8,948,257.56	8,948,257.56	9,163,936.44	920,149.33	8,243,787.11	45.52
Expense Total		18,112,194.00	8,948,257.56	8,948,257.56	9,163,936.44	920,149.33	8,243,787.11	0.4552



Tri-Dam Project
Reserve Funds / Investment Portfolio
October 31, 2021

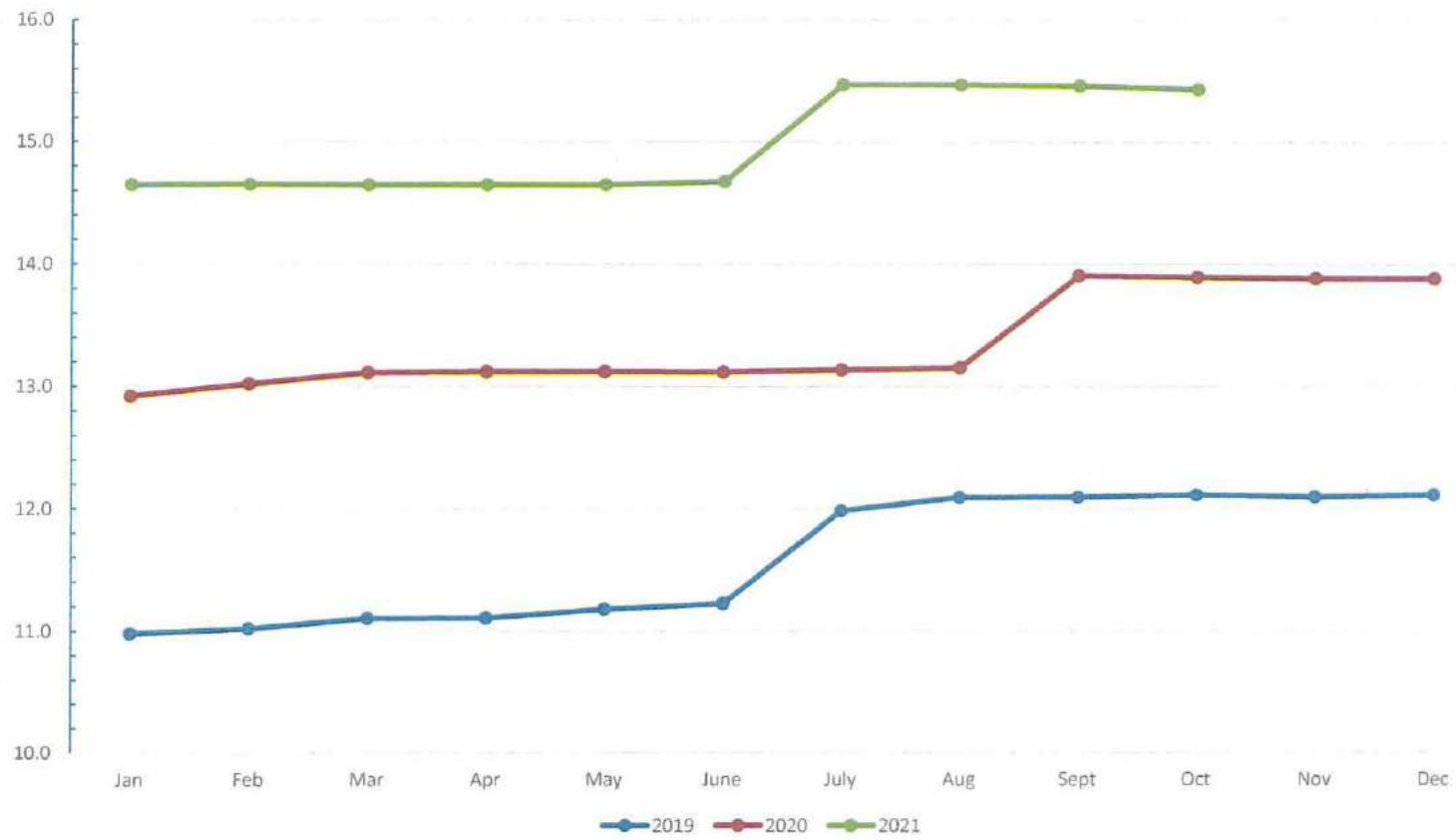
1. Revenue / Operating Fund														
CUSIP	Issue Date	Description	Rating	Purchase Date	Maturity Date	Purchase Price	Face Amount	Principal	Market Value	Gain/(Loss)	Coupon	Yield to Maturity	Average Maturity	
3135G0S38	1/9/2017	FNMA Bullet	US Agency	10/26/2017	1/5/2022	99.911	480,000	479,572	481,608	2,036	2.00%	2.02%	0.18	
3130AC5A8	8/15/2017	FHLB Bullet	US Agency	8/17/2017	8/15/2022	99.862	480,000	479,339	486,422	7,083	1.85%	1.88%	0.79	
3135G0T94	1/23/2018	FNMA Bullet	US Agency	3/21/2018	1/19/2023	98.278	480,000	471,736	492,384	20,648	2.38%	2.76%	1.22	
91282CBT7	3/31/2021	US Treasury Note	US Agency	3/31/2021	3/31/2026	99.086	1,400,000	1,395,880	1,377,250	(18,630)	0.75%	0.94%	4.42	
							2,840,000	2,826,526	2,837,664	11,138	1.02%	1.12%	2.33	
31846V203	NA	First Am Govt Obl MMF Cl Y	AAAm	NA	NA	100.000	529,077	529,077	529,077	-	0.01%	0.01%	0.00	
Total - Revenue / Operating Fund							\$3,369,077	\$3,355,603	\$3,366,741	\$11,138	0.86%	0.95%	1.97	

2. Maintenance Fund														
CUSIP	Issue Date	Description	Rating	Purchase Date	Maturity Date	Purchase Price	Face Amount	Principal	Market Value	Gain/(Loss)	Coupon	Yield to Maturity	Average Maturity	
3135G0S38	1/9/2017	FNMA Bullet	US Agency	10/26/2017	1/5/2022	99.493	720,000	716,347	722,412	6,065	2.00%	2.13%	0.18	
3130AC5A8	8/15/2017	FHLB Bullet	US Agency	8/17/2017	8/15/2022	99.199	730,000	724,149	739,767	15,618	1.85%	2.02%	0.79	
3135G0T94	1/23/2018	FNMA Bullet	US Agency	3/21/2018	1/19/2023	98.212	755,000	741,502	774,479	32,977	2.38%	2.77%	1.22	
3133EJSD2	6/19/2018	FFCB Bullet	US Agency	10/5/2018	6/19/2023	98.989	700,000	692,923	728,154	35,231	2.89%	3.12%	1.63	
91282CBT7	3/31/2021	FFCB Bullet	US Agency	3/31/2021	3/31/2026	99.086	1,000,000	997,057	983,750	(13,307)	0.75%	0.94%	4.42	
							3,905,000	3,871,979	3,948,562	76,583	1.88%	2.11%	1.83	
31846V203	NA	First Am Govt Obl MMF Cl Y	AAAm	NA	NA	100.000	2,271,063	2,271,063	2,271,063	-	0.01%	0.01%	0.00	
NA	NA	State of California LAIF	NA	NA	NA	100.000	5,847,454	5,847,454	5,847,454	-	1.22%	1.22%	0.52	
Total - Maintenance Fund							\$12,023,517	\$11,990,496	\$12,067,079	\$76,583	1.21%	1.28%	0.85	
Total - Both Funds							\$15,392,593	\$15,346,099	\$15,433,820	\$87,721	1.13%	1.21%	1.09	

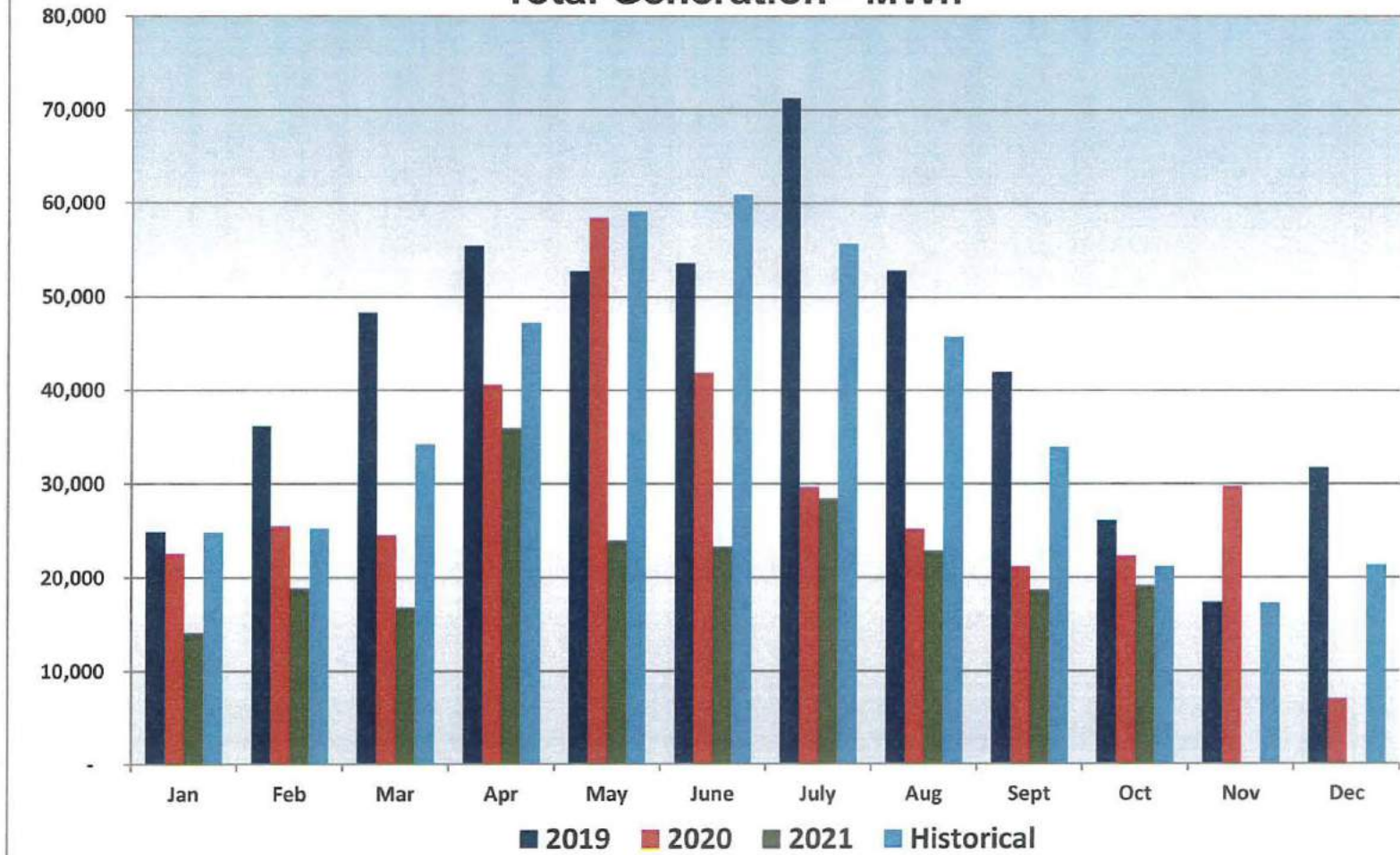
25 *Other Monthly Activity - Revenue / Operating Fund:* None
 26 *Other Monthly Activity - Maintenance Fund:* None
 27
 28 *Monthly Net Cash Flow - Revenue / Operating Fund:* \$ (81.47)
 29 *Monthly Net Cash Flow - Maintenance Fund:* \$ (73.26)
 30

31 *Market values provided by U.S. Bank*
 32 **Statement of Compliance:** To the best of my knowledge, all investments are made pursuant to Tri-Dam's investment policy. In addition,
 33 Tri-Dam maintains sufficient cash and liquid assets to fund expenditures for the next six months. /s/ Brian Jaruszewski, Treasurer

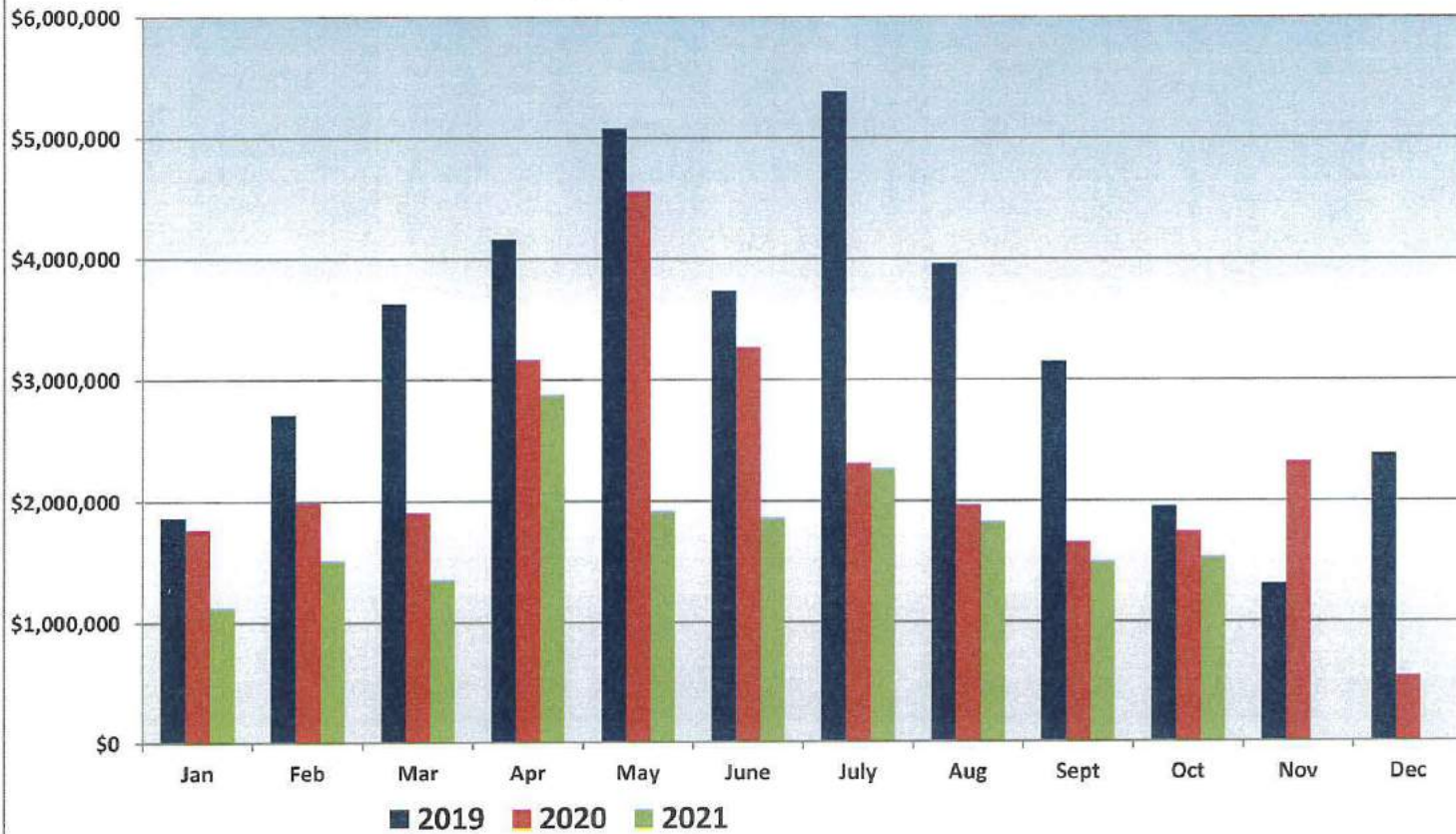
Tri-Dam Project Investment Portfolio Total Market Value (in \$Millions)



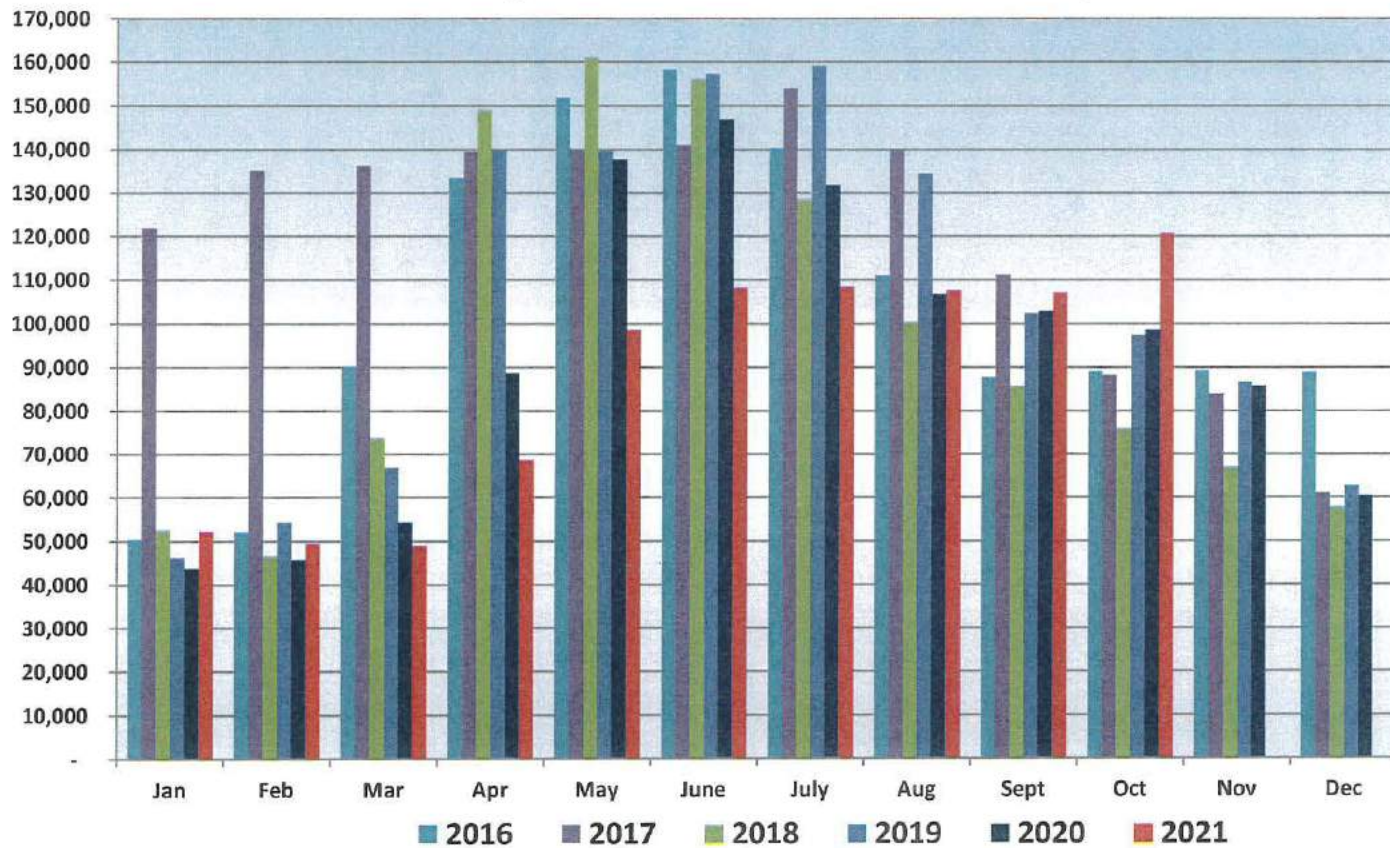
Tri-Dam Project Total Generation - MWh



Tri-Dam Project Generation Revenue



Tri-Dam Project Storage AF - Donnell's & Beardsley



Tri-Dam Project

Statement of Obligations

Period Covered

October 1, 2021 to October 31, 2021

**TRI-DAM PROJECT
STATEMENT OF OBLIGATIONS
Period Covered
October 1, 2021 to October 31, 2021**

One-Half Oakdale Irrigation District	\$ 382,152.23
One-Half South San Joaquin Irrigation District	\$ 382,152.23
Total Obligations	<u>\$ 764,304.46</u>

CERTIFICATION

OAKDALE IRRIGATION DISTRICT

SOUTH SAN JOAQUIN IRRIGATION DISTRICT

Thomas D. Orvis

John Holbrook

Ed Tobias

Robert A. Holmes

Linda Santos

Dave Kamper

Herman Doornenbal

Glenn Spyksma

Brad DeBoer

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,**

**SOUTH SAN JOAQUIN IRRIGATION DISTRICT
PRESIDENT,**

Thomas D. Orvis

Robert A. Holmes

SECRETARY,

SECRETARY,

Steve Knell

Date

Peter M. Rietkerk

Date

**Tri Dam Project
Statement of Obligations**

Period Covered

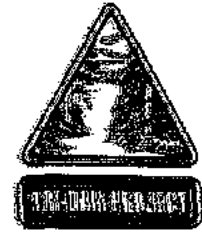
From To

October 1, 2021 to October 31, 2021

	<u>No. Chks.</u>	<u>Amount</u>
<u>Vendor Check Register Report</u> (Please see attached Check Listing)	94	\$525,053.91
 <u>Payrolls - Net Charges</u>		
<u>Pay Date</u>	<u>Type</u>	<u>Payroll Amount</u>
14-Oct-21	Payroll	\$ 111,047.05
28-Oct-21	Payroll	\$ 128,203.50
Total Net Payroll		\$ 239,250.55
Total Disbursements for the Period		\$764,304.46
 Distribution Between Districts ~		
Oakdale Irrigation District		\$ 382,152.23
South San Joaquin Irrigation District		\$ 382,152.23
Total Districts		\$ 764,304.46

Project

October Checks by Amount



Check Number	Vendor No	Vendor Name	Check Date	Description	Amount
128314	10813	ACWA Joint Powers Insurance Authority	10/28/2021	Health Benefits	63,608.09
128312	11302	Summit American, Inc.	10/27/2021	Re-Roofing Projects - Beardsley & Mt. Elizabeth	61,850.00
128286	10339	Haidlen Ford-Mercury Inc.	10/22/2021	2021 Ford F250 - Maint. Dept.	57,570.87
128281	10294	FISHBIO Environmental LLC	10/21/2021	Fish Studies	54,829.78
128283	11343	Tim O'Laughlin, PLC	10/21/2021	Legal matters	27,981.00
128233	10946	EnerSys Delaware Inc.	10/06/2021	Battery bank replacement - Tulloch units 1 & 2	27,385.73
128284	10501	O'Laughlin & Paris	10/21/2021	Legal matters	22,981.10
128263	10900	Chase Cardmember Service	10/18/2021	Conference, meals, fuel, climbing gear, Tulloch Em. Line, camera, small tools	17,622.60
128256	10815	Cal PERS System	10/13/2021	EE/ER Retirement Plan	17,344.89
128316	10815	Cal PERS System	10/28/2021	EE/ER Retirement Plan	16,799.63
128274	10435	McCoy Tire Co. of Sonora Inc.	10/18/2021	Tires	14,892.47
128280	10250	Downey Brand Attorneys LLP.	10/21/2021	Tulloch Litigation	13,932.33
128261	10151	Calaveras Co Treas & Tax Collector	10/18/2021	Property Taxes	13,846.64
128244	10514	Pacific Gas & Electric Co.	10/06/2021	Utilities	8,103.37
128253	10778	Watermark Engineering Inc.	10/06/2021	Streamgaging	6,175.00
128310	10514	Pacific Gas & Electric Co.	10/27/2021	Utilities	5,641.68
128285	10891	Wagner & Bonsignore Consulting Civil En	10/21/2021	Water Rights Reporting	5,262.60
128308	11011	Pacific Gas & Electric	10/27/2021	Utilities	5,058.70
128267	10946	EnerSys Delaware Inc.	10/18/2021	Batter Racks - Tulloch units 1 & 2	4,856.77
128282	10347	HDR Engineering, Inc.	10/21/2021	Data Recovery Resource - Beardsley	4,744.61
128266	10935	Data Path, Inc.	10/18/2021	Network Support	4,603.00
128258	10812	Nationwide Retirement Solution	10/13/2021	EE Supl Retirement Plan	4,299.22
128318	10812	Nationwide Retirement Solution	10/28/2021	EE Supl Retirement Plan	4,299.22
128231	10225	Debeo Automotive Supply Inc.	10/06/2021	Batteries, oil & filters, supplies, bearings, seals	3,906.00
128239	11049	Hunt & Sous, Inc.	10/06/2021	Fuel	3,884.46
128288	10067	AT&T - SBC - Pac Bell	10/22/2021	Telephone	3,768.02
128247	10632	Slakey Brothers Inc.	10/06/2021	A/C unit for Strawberry	3,364.17
128254	10813	ACWA Joint Powers Insurance Authority	10/13/2021	Health Benefits	3,158.28
128300	10665	Staples	10/22/2021	Chairs, surge protector, misc office, file cabinet, calendars	2,930.42
128287	11244	Arthur J. Gallagher & Co.	10/22/2021	Workers Comp	2,334.00
128269	10288	Fastenal Co.	10/18/2021	Tools	2,208.98
128290	11043	Circuit Breakers Sales NE, Inc.	10/22/2021	Hydraulic pump & motor repair	1,911.44
128275	10439	McMaster-Carr Supply Co.	10/18/2021	Timer relay, small tools, misc supplies, gov. oil pump repair	1,893.66
128234	10288	Fastenal Co.	10/06/2021	Tools	1,888.15
128307	10439	McMaster-Carr Supply Co.	10/27/2021	Gasket materials, seals, adhesive, sanding belts, small tools - Beardsley PRV	1,722.23
128270	11333	Fedak & Brown LLP	10/18/2021	GASB 61, 14, 69 research	1,639.00
128277	10735	Tuolumne Co. Tax Collector	10/18/2021	Property Taxes	1,307.60
128257	10811	IBEW	10/13/2021	EE Union Dues	1,295.73
128317	10811	IBEW	10/28/2021	EE Union Dues	1,295.73
128226	10068	AT&T Corp - Data Link	10/06/2021	Telephone	1,258.12
128311	10547	Power Plan	10/27/2021	2 batteries each for Grader & Loader	1,241.49
128295	10439	McMaster-Carr Supply Co.	10/22/2021	Beardsley PRV repair	1,212.69
128230	10935	Data Path, Inc.	10/06/2021	Network Support	1,166.67
128255	10183	Cal PERS S457 Plan	10/13/2021		925.00
128315	10183	Cal PERS S457 Plan	10/28/2021		925.00
128305	10402	Kamps Propane	10/27/2021		767.38
128289	11003	CalChamber	10/22/2021		749.00
128264	11043	Circuit Breakers Sales NE, Inc.	10/18/2021		740.37
128259	10663	Standard Insurance Co.	10/13/2021		738.59
128319	10663	Standard Insurance Co.	10/28/2021		738.59
128299	10904	Sonora Ford	10/22/2021		674.78

128236	10320	General Supply Co.	10/06/2021	657.74
128306	10831	Mangan Meticulous	10/27/2021	625.00
128228	11010	Calaveras County Water District	10/06/2021	618.57
128241	10879	Lowe's	10/06/2021	613.15
128232	10227	Del Oro Water Co. Inc.	10/06/2021	603.29
128302	10333	Grainger Inc. W. W.	10/27/2021	582.14
128279	10776	Waste Mgmt of Cal Sierra Inc.	10/18/2021	574.29
128271	10333	Grainger Inc. W. W.	10/18/2021	573.50
128250	10703	Tessco	10/06/2021	525.93
128268	11048	Fastenal (Vending)	10/18/2021	508.57
128278	10786	Union Democrat	10/18/2021	478.55
128292	10333	Grainger Inc. W. W.	10/22/2021	467.57
128303	10938	Great America Financial Svcs.	10/27/2021	415.92
128237	10333	Grainger Inc. W. W.	10/06/2021	409.76
128291	10288	Fastenal Co.	10/22/2021	390.28
128238	10938	Great America Financial Svcs.	10/06/2021	358.42
128242	10439	McMaster-Carr Supply Co.	10/06/2021	301.19
128246	10535	Pitney Bowes GFS LLC	10/06/2021	227.59
128248	10904	Sonora Ford	10/06/2021	218.32
128272	11049	Hunt & Sons, Inc.	10/18/2021	213.51
128243	10466	Mountain Oasis Water Systems & Btl Co L	10/06/2021	207.40
128298	10933	Smile Business Products	10/22/2021	185.47
128249	11005	Sonora Lumber Company	10/06/2021	183.22
128301	10225	Debeo Automotive Supply Inc.	10/27/2021	181.05
128276	10513	Pacific Gas & Elec - Non Util	10/18/2021	168.28
128304	11049	Hunt & Sons, Inc.	10/27/2021	161.02
128265	10184	Clark Pest Control - Pest	10/18/2021	160.00
128235	10319	General Plumbing Supply Co Inc.	10/06/2021	150.09
128294	10435	McCoy Tire Co. of Sonora Inc.	10/22/2021	141.13
128227	11086	Benefit Resource, Inc.	10/06/2021	125.00
128297	11387	Sierra Aircraft Upholstery	10/22/2021	120.00
128229	10154	Calaveras Telephone Co.	10/06/2021	109.70
128252	11258	Verizon	10/06/2021	109.15
128313	11205	Jordan Wylie	10/27/2021	96.96
128296	11004	Pacific Gas & Electric	10/22/2021	70.47
128251	10749	UPS	10/06/2021	40.59
128273	10399	JS West Propane Gas	10/18/2021	36.03
128260	10866	AT&T Teleconference Services	10/18/2021	32.42
128293	10428	M C I	10/22/2021	27.96
128262	10986	Cal-Waste Recovery Systems, LLC	10/18/2021	25.49
128240	10402	Kamps Propane	10/06/2021	17.15
128309	11147	Pacific Gas & Electric	10/27/2021	10.19
128245	10515	Pacific Gas & Electric Co.	10/06/2021	0.00

BE boot reimbursement

Clear prior credits

Report Total:

\$ 525,053.91

**RESOLUTION
TDP 2021.07**

BOARD AGENDA REPORT

Date: 11/18/2021

Staff: Mia Brown

SUBJECT: Resolution TDP 2021-07 to Implement Teleconferencing Requirements during a Proclaimed State of Emergency

RECOMMENDED ACTION: Approve Resolution TDP 2021-07 proclaiming a local emergency, which authorizes remote teleconference meetings.

BACKGROUND AND/OR HISTORY:

On September 17, 2021 Assembly Bill 361 (AB 361) was signed and took effect on October 1, 2021. AB 361 replaced some provisions of Executive Order N-29-20, which allows local legislative bodies to hold remote teleconference meetings. The resolution will allow the Project a thirty (30) day period to continue remote meetings, or until conditions improve or the Executive Order is cancelled. A subsequent resolution will need to be passed every thirty days to continue the remote meetings.

FISCAL IMPACT: None

ATTACHMENTS: Resolution TDP 2021-07

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) Holmes (Yes/No) Kamper (Yes/No) Spyksma (Yes/No) Weststeyn (Yes/No)

**TRI-DAM PROJECT
RESOLUTION No. TDP 2021-07
RESOLUTION TO IMPLEMENT TELECONFERENCING REQUIREMENTS
DURING A PROCLAIMED STATE OF EMERGENCY**

WHEREAS, the Ralph M. Brown Act requires that all meetings of a legislative body of a local agency be open and public and that any person may attend and participate in such meetings;

WHEREAS, the Brown Act allows for legislative bodies to hold meetings by teleconference, but imposes specific requirements for doing so;

WHEREAS, on March 17, 2020, in order to address the need for public meetings during the present public health emergency, Governor Newsom issued Executive Order No. N-29-20, suspending the Act's teleconferencing requirements; and

WHEREAS, on June 11, 2021, Governor Newsom issued Executive Order No. N-8-21, continuing the suspension of the Brown Act's teleconferencing requirements through September 30, 2021; and

WHEREAS, these Executive Orders allowed legislative bodies to meet virtually as long as certain notice and accessibility requirements were met; and

WHEREAS, the State Legislature amended the Brown Act through Assembly Bill No. 361 (AB 361) on September 16, 2021; and

WHEREAS, AB 361 amended the Brown Act so that a local agency may use teleconferencing without complying with the regular teleconferencing requirements of the Act, where the legislative body holds a meeting during a proclaimed state of emergency and makes certain findings; and

WHEREAS, Government Code section 54953 requires that the legislative body make additional findings every 30 days in order to continue such teleconferencing.

NOW THEREFORE, the Board of Directors of the Tri-Dam Project hereby finds, determines, declares, orders, and resolves as follows:

1. That the foregoing recitals are true and correct and incorporates them by this reference.
2. The Board of Directors ("Board") of the Tri-Dam Project ("TDP") finds, by a majority vote, the following:
 - a. That there exists a proclaimed state of emergency; and
 - b. State or local officials have imposed or recommended measures to promote social distancing.

3. TDP staff is authorized to take all steps and perform all actions necessary to execute and implement this Resolution in compliance with Government Code section 54953.
4. That this Resolution shall take effect immediately and shall remain in effect for thirty (30) days thereafter, provided the conditions set forth in Section 2 remain.

PASSED AND ADOPTED by the Board of Directors of the Tri-Dam Project this 18th day of November, 2021, by the following vote:

OAKDALE IRRIGATION DISTRICT

SOUTH SAN JOAQUIN IRRIGATION DISTRICT

AYES:

NOES:

ABSENT:

OAKDALE IRRIGATION DISTRICT

SOUTH SAN JOAQUIN IRRIGATION DISTRICT

Tom D. Orvis, President

Bob Holmes, President

Steve Knell, Secretary

Peter M. Rietkerk, Secretary

TIM O'LAUGHLIN, PLC
RATE SCHEDULE

BOARD AGENDA REPORT

Date: 11/18/2021
Staff: Jarom Zimmerman

SUBJECT: Tim O'Laughlin, PLC Rate Schedule

RECOMMENDED ACTION: Discussion and possible action to approve Tim O'Laughlin rate schedule

BACKGROUND AND/OR HISTORY:

Tim O'Laughlin has committed to work for SSJID and OID on water related matters, through Tri-Dam Project until December 31, 2026. He has reviewed his rate schedule and is requesting his rate be increased from \$400/hour to \$450/hour for 2022 and 2023, and be increased to \$475/hour for 2024, 2025, and 2026.

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) Holmes (Yes/No) Kamper (Yes/No) Spyksma (Yes/No) Weststeyn (Yes/No)

FISHBIO

2022 BUDGET

BOARD AGENDA REPORT

Date: 11/18/2021
Staff: Jarom Zimmerman

SUBJECT: FishBio 2022 Budget and Scope of Work

RECOMMENDED ACTION: Discussion and possible action to approve FishBio's 2022 budget and scope of work

BACKGROUND AND/OR HISTORY:

As part of the 2021 Tri-Dam budget process, we asked FishBio to provide a scaled down scope of work and budget for 2021 and future years. This decreased the annual cost from \$1.75 million to \$825,000 in 2021, to \$400,000 in 2022. We recently received an update from FishBio on the Stanislaus Native Fish Plan and their concerns over reducing the scope of field activities.

FishBio has prepared three different scope of works levels for 2022, including a \$400,000, \$575,000, and a \$775,000 option for the Board's review.

FISCAL IMPACT: \$400,000, \$575,000, or \$775,000

ATTACHMENTS: FishBio Proposal
Update on Stanislaus Native Fish Plan

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) Holmes (Yes/No) Kamper (Yes/No) Weststeyn (Yes/No) Spyksma (Yes/No)

TO: Tri Dam Board of Directors
FROM: Andrea Fuller
DATE: November 9, 2021
SUBJECT: **Additional considerations for 2022 research and monitoring**

In 2020 we were asked to develop a plan to ramp down fisheries research and monitoring activities during 2021 and 2022. A memorandum dated August 13, 2020, presented a selective reduction of fishery activities under a constrained budget. Following recent discussions with NMFS and CDFW regarding the expiration of the WIIN Act and an expected reduction in the scope of the predation studies and the Oakdale rotary screw trap (RST) monitoring, we were asked to propose a range of research options to be further considered by the Board for 2022. This memo presents three options for consideration ranging from the minimum ramp down (\$400,000) to full implementation (\$775,000) at a level similar to the scope of studies in 2021, and a mid-range option (\$575,000).

Full Study Scope

Implementing the full scope would provide a robust effort similar to 2021, including continuing summer *O. mykiss* surveys, the Stanislaus Native Fish Plan (NFP) research, development of multiple peer-reviewed publications, and consulting at the same levels of effort. However, the cost for full implementation of the NFP study reflects an expected cost savings over 2021 given earlier investments in programming to automate statistical analyses going forward and some relatively minor changes to the study methods for improved efficiency based on findings to date.

As NFP sampling would target the bulk of the salmon outmigration window, it is recommended that RST monitoring be conducted over the same period to estimate the abundance of juvenile Chinook salmon over the course of the predation studies. In past years, RST monitoring has been conducted January 1-June 30. However, this could be reduced to mid-January through May or early June to reduce cost while still providing a robust estimate of juvenile salmon abundance to quantify the proportion of the population lost to predation. The full scope cost estimate assumes this more targeted sampling strategy.

Implementing the full study scope provides for the most robust sampling strategy to maximize data available for analyses. Cumulative impacts of predation by nonnative fishes is expected to remain a key limiting factor for native species recovery and sustainability into the future. With thousands of tagged fish now in the system from efforts to date, sampling in 2022 and beyond will provide some of the most valuable data from recaptures of tagged fish. The increased number of tagged predators greatly increases the chance of recapturing fish, which translates to more certain estimates of abundance and more information to understand trends in abundance, growth, and survival of predators relative to instream conditions. Substantial efforts have been made to monitor salmon, but data to understand predator abundance, impacts, and population responses to management are lacking. Obtaining this data over several more years of varying environmental conditions will provide information to evaluate whether there are correlations between predator abundance and river conditions or if the predator populations and predation risk are relatively consistent regardless of water year type.

Mid-range Study Scope

Under the mid-range scope, the summer *O. mykiss* surveys, publications, and consulting would still be fully implemented. The scope of NFP sampling would be reduced through a combination of a reduced number of sites sampled and reduced number of sampling events. This means fewer estimates of abundance and fewer diet samples to represent variation across time and space, leading to less certainty in the results. Each survey event provides predator abundance and consumption rates that can be related to flow and temperature so the more data points, the representation and confidence we have in understanding the relationships. The data will still be highly useful, but not as strong as under the full scope scenario.

Oakdale RST monitoring would also be reduced to coincide with the NFP sampling events only. This would provide an incomplete estimate of abundance at Oakdale. Historically (since 1999), we have been able to produce an index of juvenile salmon survival through the lower river by dividing the estimated abundance at the Caswell trap by the estimated abundance at the Oakdale trap. Under the mid-range scenario, we will not be able to produce this estimate which also proves useful for comparison to predation loss estimates generated by the NFP.

Minimum Study Scope

As with previously described options, the summer *O. mykiss* surveys, publications, and consulting would still be fully implemented under the minimum study scope. NFP sampling would be reduced to two sampling events maximum and the number of sites per event would further decrease. RST monitoring would only occur in conjunction with the NFP monitoring events such that juvenile salmon abundance at Oakdale would be estimated over only about one-third of the salmon outmigration window. We will be able to quantify the proportion of fish migrating during discrete, relatively short periods of time that were likely lost due to predation, but in the absence of a more complete estimate of juvenile abundance, and consequently, a juvenile survival index, we will be lacking valuable information to describe this at the population level. However, this approach will still provide valuable and representative data of predator abundance and consumption rates.

Summary

All of the alternatives described above will provide valuable data, capitalize on the investments in research to date to further our understanding of the impacts of non-native predators, and provide for communication of findings. The most intensive data collection will support the most robust analyses. The table below provides cost estimates for the three scopes.

Proposed budget for 2022.

	Current 2021	Minimum 2022	Mid 2022	Full scope 2022
Life-cycle monitoring	\$200,000	\$100,000	\$125,000	\$150,000
Native Fish Plan	\$500,000	\$150,000	\$300,000	\$475,000
Publications	\$100,000	\$125,000	\$125,000	\$125,000
Consulting	\$25,000	\$25,000	\$25,000	\$25,000
Total	\$825,000	\$400,000	\$575,000	\$775,000

TO: Steve Knell, Peter Reitkerk, and Jarom Zimmerman
FROM: Andrea Fuller and Matt Peterson
DATE: November 4, 2021
SUBJECT: **Update on Stanislaus Native Fish Plan**

On November 2, 2021, we met with the Native Fish Plan technical team and provided an update to NMFS and CDFW on recent progress on reporting. In addition, we advised the predation technical team of the anticipated reduced scope of field activities funded by the Districts in 2022. Staff from NMFS shared information related to a similar pilot predator control program for the Tuolumne River that had been potentially proposed at the Senate level. The purpose of this memo is to: (1) provide an update on the reporting progress, (2) provide details on the potential Tuolumne River predator control program, and (3) relay some potential concerns from the agencies related to the conclusion of the WIIN Act, which will sunset at the end of the year.

Reporting

We have made substantial progress in developing the Synthesis Report which will present comprehensive analysis and discussion of the findings of the Native Fish Plan studies over the course of the five-year term of the WIIN Act expiring next month. The report is organized in chapters to facilitate review and readability, and some chapters will become standalone pieces developed and submitted for publication in peer reviewed scientific journals. Complete drafts of the first four of eleven chapters are currently under internal review and are expected to be circulated to the technical team in late December or early January.

We learned during the technical team call that, after many delays, both NMFS and CDFW expect to share comments on the 2019 report with us this month. This will allow us to finalize the 2019 report and make changes to the Synthesis Report before it is distributed for technical team review, if needed based on comments on the 2019 report.

Potential Predator Control Pilot Program on the Tuolumne River

We also learned from NMFS that a staffer from Senate Appropriations reached out regarding possible implementation of a similar pilot predator control program on the Tuolumne River. We do not know who the sponsor is, but the language that was shared with us would “*direct NMFS to conduct a predator control pilot program on the Tuolumne River funded by the Modesto Irrigation District, the Turlock Irrigation District and the San Francisco Public Utilities Commission over the next three years, working with appropriate state agencies and taking into account implementation findings from the Stanislaus program.*” NMFS technical staff did not have any information as to the origins or status of this effort but noted that they would welcome a similar effort on the Tuolumne River.

Conclusion of the WIIN Act

With the expiration of the WIIN Act and the reduced study scope and budget for the Stanislaus NFP in 2022, NMFS asked whether the Districts believed that the requirements of the WIIN Act had been met. Specifically, we were asked if the Districts had met the funding requirements and responded with a simple answer of ‘yes’ since the Districts were not required to fund the work. However, discussion over reduced funding and the need to refine the sampling strategy in 2022, while expected to be disappointing to the group, seemed to register with NMFS as the Districts no longer wanting to work together on this issue. This is unfortunate as they have been strong allies in working with us to make the study happen. It is clear that they see a need for the program and want to see it continue, and this was also expressed by the technical staff from CDFW. We discussed continuing the successful engagement of the technical team, data collection (at a reduced level), and reporting the data, which was appreciated, but we still sensed concern.

NMFS asked that we provide an email regarding expiration of the WIIN Act and the reduced funding in 2022. As this is a policy issue, we suggest that the Districts correspond with NMFS regarding these items. We are hopeful that the Districts will support continued collaboration with NMFS and CDFW and predation research as all have invested substantially in building trust within the technical team. The continued collaboration will be critical to successfully transition from the data collection in the field to reporting and communication of the findings from the study. Ultimately, we envision that the publication and communication of the findings will provide an important foundation for developing effective management strategies to reduce predation pressure on salmonid populations.

**TULLOCH DAY USE SITE
CONSTRUCTION PROJECT**

BOARD AGENDA REPORT

Date: November 18, 2021
Staff: Susan Larson

SUBJECT: Discussion and possible award of contract for the Tulloch Day Use Site construction project.

RECOMMENDED ACTION: Award of contract for the Tulloch Day Use Project to KW Emerson, and authorize General Manager, Jarom Zimmerman to sign the contract, and any associated documents on behalf of Tri-Dam.

BACKGROUND:

Tri-Dam's license for the Tulloch project (P-2067) requires Tri-Dam to develop a day use site on the northern side of the reservoir, within Calaveras County. At present, the only true public access on the reservoir is at the South Shore Campground and Marina within Tuolumne County.

The project site is located at 7430 O'Byrnes Ferry Road, Copperopolis. When complete, the project will provide day use public access to the reservoir with picnic tables, fishing pier, kayak/canoe launch area, restrooms, landscaping, encroachment onto O'Byrnes Ferry Road, and new utility service connections. The site will be gated, with a self-closing mechanism at night and will include a security system to provide remote monitoring after-hours.

Following FERC's authorization of the project, applications were filed with the County of Calaveras in the fall of 2018. After numerous delays, the project was approved by the County Board of Supervisors in May 2020, following an appeal of the Planning Commission's decision. Following these approvals, applications for grading, building permit and utility services were submitted and permits obtained from the County and Calaveras County Water District.

Bid requests were originally circulated earlier this year, however, due to the volatility of the construction market related to Covid 19, and the need to fully define the water/sewer infrastructure provisions, staff elected to re-issue the solicitation this fall. An updated Invitation to Bid was circulated on October 8, 2021, with a due date of November 5, 2021.

The bid process followed provisions established by the Public Contracting Code. In accordance with established deadlines, a sealed bid opening was held on November 5, 2021. A total of three (3) bids were received. Two timely (2) bids were received, as summarized below:

Bid Opening Total Base Price Bid

Bidder	Bid Price (Low to High)
KW Emerson	\$1,577,990.00
Offsite Water Line Extension (CCWD)	\$ 115,665.00
Total Tri-Dam Portion	\$1,462,325.00
Sierra Mountain Construction Inc. (SMCI)	\$1,842,230.00
Offsite Water Line Extension (CCWD)	\$ 125,000.00
Total Tri-Dam Portion	\$1,717,230.00
2021 Budget Amount	\$1,500,000.00

The third bid was received after the established deadline, thus cannot be selected, however the summary is noted below:

Bidder	Bid Price
Moyle Excavation Inc.	\$1,574,826.01
Offsite Water Line Extension (CCWD)	\$ 137,600.00
Total Tri-Dam Portion	\$1,437,226.01

The bid provided by KW Emerson was established as the lowest responsive bid. The KW Emerson bid listed above represents the full scope of pricing requested from all contractors.

ATTACHMENT: Bid Tabulations Sheets
Illustrated Site Plan

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) Holmes (Yes/No) Kamper (Yes/No) Spyksma (Yes/No) Weststeyn (Yes/No)

KW Emerson, Inc.

ON-SITE IMPROVEMENTS

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QTY</u>	<u>UNIT PRICE</u>	<u>TOTAL PRICE</u>
A.	<u>SITE WORK</u>				
1.	CLEAR AND GRUB	LS	1	<u>\$7,520.00</u>	<u>\$7,520.00</u>
2.	EXCAVATION	CY	175	<u>\$295.00</u>	<u>\$51,625.00</u>
3.	FILL MATERIAL	LS	1	<u>\$69,829.00</u>	<u>\$69,829.00</u>
4.	COMPACT ORIGINAL GROUND	SF	7,264	<u>\$1.50</u>	<u>\$10,896.00</u>
5.	CONCRETE SUBGRADE COMPACTION	SF	4,487	<u>\$2.00</u>	<u>\$8,974.00</u>
6.	0.2" ASPHALT CONCRETE	TON	108	<u>\$185.00</u>	<u>\$19,980.00</u>
7.	0.35' AGGREGATE BASE	TON	189	<u>\$75.00</u>	<u>\$14,175.00</u>
8.	CONCRETE FLAT WORK	SF	4,168	<u>\$25.00</u>	<u>\$104,200.00</u>
9.	CONCRETE CURB	LF	87	<u>\$48.00</u>	<u>\$4,176.00</u>
10.	CONCRETE CURB AND GUTTER	LF	164	<u>\$65.00</u>	<u>\$10,660.00</u>
11.	STAIRS COMPLETE (WITH HANDRAILS)	LS	1	<u>\$13,650.00</u>	<u>\$13,650.00</u>
12.	ADA RAMP	LS	1	<u>\$9,525.00</u>	<u>\$9,525.00</u>
13.	EMERGENCY ACCESS GATE	EA	1	<u>\$6,212.00</u>	<u>\$6,212.00</u>
14.	STRIPING	LS	1	<u>\$5,824.00</u>	<u>\$5,824.00</u>
15.	"BEWARE GATE OPENS INWARD" SIGN	EA	1	<u>\$191.00</u>	<u>\$191.00</u>
16.	PEDESTAL KEY PAD WITH (4) BOLLARDS	EA	1	<u>\$6,126.00</u>	<u>\$6,126.00</u>
17.	HANDRAIL NEAR RESTROOM	LS	1	<u>\$2,690.00</u>	<u>\$2,690.00</u>
				Subtotal A	<u>\$346,253.00</u>

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QTY</u>	<u>UNIT PRICE</u>	<u>TOTAL PRICE</u>
B.	<u>STORM DRAIN</u>				
1.	DROP INLET CATCH BASIN	EA	1	\$3,855.00	\$3,855.00
2.	YARD INLET DRAIN	EA	5	\$1,856.00	\$9,280.00
3.	12" STORM DRAIN	LF	59	\$325.00	\$19,175.00
4.	8" STORM DRAIN	LF	64	\$172.00	\$11,008.00
5.	RIP RAP GRADE LOWER TERRANCE AREA TO DRAIN	LS	1	\$3,366.00	\$3,366.00
6.		LS	1	\$18,250.00	\$18,250.00
				Subtotal B	\$64,934.00
C.	<u>SANITARY SEWER</u>				
1	CONNECT TO EXISTING FORCEMAIN	LS	1	\$2,356.00	\$2,356.00
2	2" CHECK VALVE	EA	2	\$1,095.00	\$2,190.00
3	2" SSFM	LF	16	\$98.00	\$1,568.00
4	4" SEWER	LF	2	\$230.00	\$460.00
5	SANITARY SEWER CLEAN OUT SANITARY SEWER LIFT STATION (COMPLETE)	EA	1	\$501.00	\$501.00
6	SANITARY SEWER SLEEVE FOR A 2" WELDED HDPE TO AWWA C906	LS	1	\$14,360.00	\$14,360.00
7		EA	1	\$1,102.00	\$1,102.00
				Subtotal C	\$22,537.00
D.	<u>WATER</u>				
1.	CONNECT FOR EXISTING WATER (8" X 2" X 8" TEE)	LS	1	\$2,191.00	\$2,191.00
2.	2" WATER	LF	62	\$52.00	\$3,224.00
3.	2" METER	EA	1	\$4,438.00	\$4,438.00
4.	2" GATE VALVE	EA	2	\$300.00	\$600.00
5.	BACK FLOW PREVENTER ASSEMBLY	EA	1	\$3,797.00	\$3,797.00
6.	3/4" WATER	LF	10	\$80.00	\$800.00
7.	3/4" GATE VALVE	EA	1	\$151.00	\$151.00
8.	2" CAP	EA	1	\$30.00	\$30.00
9.	RELOCATE EXISTING WATER METER	LS	1	\$2,990.00	\$2,990.00
				Subtotal D	\$18,221.00

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QTY</u>	<u>UNIT PRICE</u>	<u>TOTAL PRICE</u>
E. <u>RETAINING WALL</u>					
1.	CMU SCREEN WALL (COMPLETE AS SHOWN)	LS	1	<u>\$122,657.00</u>	<u>\$122,657.00</u>
2.	STACKED ROCK WALL (COMPLETE AS SHOWN)	LS	1	<u>\$195,162.00</u>	<u>\$195,162.00</u>
3.	REFURBISH SEA WALL, in accordance with Plan Sheet W4.0	LS	1	<u>\$23,075.00</u>	<u>\$23,075.00</u>
				Subtotal E	<u>\$340,894.00</u>
F. <u>MISCELLANEOUS</u>					
1.	PICNIC TABLE WITH SHADE STRUCTURES (COMPLETE)	EA	5	<u>\$9,569.00</u>	<u>\$47,845.00</u>
2.	BENCHES	EA	2	<u>\$7,894.00</u>	<u>\$15,788.00</u>
3.	RELOCATE FISHING PIER	LS	1	<u>\$16,943.00</u>	<u>\$16,943.00</u>
4.	INSTALL GANGWAY WITH HANDRAIL AND ATTACH TO MOORING	LS	1	<u>\$29,652.00</u>	<u>\$29,652.00</u>
5.	INSTALL ALL ADA PARKING SIGNAGE	LS	1	<u>\$4,901.00</u>	<u>\$4,901.00</u>
6.	EROSION CONTROL (COMPLETE)	LS	1	<u>\$25,251.00</u>	<u>\$25,251.00</u>
7.	PRE-FABRICATED BATHROOM (COMPLETE AND INSTALLED)	LS	1	<u>\$127,252.00</u>	<u>\$127,252.00</u>
8.	ALL LANDSCAPING AND IRRIGATION COMPLETE (PER LANDSCAPING PLAN)	LS	1	<u>\$52,841.00</u>	<u>\$52,841.00</u>
9.	ALL ELECTRICAL WORK (COMPLETE) (PER THE ELECTRICAL PLAN)	LS	1	<u>\$121,414.00</u>	<u>\$121,414.00</u>
				Subtotal F	<u>\$441,887.00</u>
BID TOTAL "A - F" ON-SITE					<u>\$1,234,726.00</u>

**Tri-Dam Project - Tulloch Day Use Project
Schedule of Bid Prices**

OFF-SITE IMPROVEMENTS

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QTY</u>	<u>UNIT PRICE</u>	<u>TOTAL PRICE</u>
A.	<u>OFF-SITE WORK</u>				
1.	CLEAR AND GRUB	LS	1	\$30,328.00	\$30,328.00
2.	EXCAVATION	CYD	15	\$82.00	\$1,230.00
3.	FILL MATERIAL INCLUDING FEATHERING SHOULDERS	LS	1	\$38,580.00	\$38,580.00
4.	COMPACT ORIGINAL GROUND	SF	1,875	\$1.80	\$3,375.00
5.	SAW CUT	LF	155	\$14.00	\$2,170.00
6.	0.2' ASPHALT CONCRETE	TON	49	\$390.00	\$19,110.00
7.	0.35' AGGREGATE BASE	TON	28	\$208.00	\$5,824.00
8.	12" AC DEEP LIFT	TON	12	\$596.00	\$7,152.00
9.	ALUMINUM IRON FENCE (COMPLETE)	LF	266	\$191.00	\$48,896.00
10.	PEDESTAL KEY PAD WITH (4) BOLLARDS	EA	1	\$6,126.00	\$6,126.00
11.	GATE MOTORS (COMPLETE)	EA	2	\$13,315.00	\$26,630.00
12.	12' SWING GATE	EA	2	\$9,922.00	\$19,844.00
13.	GATE STOP	EA	2	\$1,340.00	\$2,680.00
14.	STRIPING	LS	1	\$3,191.00	\$3,191.00
15.	CLASS 1 FLEXIBLE POST DELINEATOR	LS	1	\$2,574.00	\$2,574.00
16.	"NO PARKING" SIGNS	EA	2	\$350.00	\$700.00
17.	TRAFFIC LOOPS (COMPLETE)	LS	1	\$9,189.00	\$9,189.00
				Subtotal A	\$227,599.00

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QTY</u>	<u>UNIT PRICE</u>	<u>TOTAL PRICE</u>
B.	<u>CCWD OFF-SITE WORK</u>				
1.	INSTALLATION OF OFFSITE WATER LINE PER CCWD PLANS	EA	1	<u>\$115,665.00</u>	<u>\$115,665.00</u>
OFF-SITE TOTAL (A + B)					<u>\$343,264.00</u>

BID TOTAL "A - F" ON-SITE **\$1,234,726.00**

BID TOTAL OFF-SITE **\$343,264.00**

TOTAL ON-SITE AND OFF-SITE **\$1,577,990.00**

BID TOTAL IN WRITTEN WORDS:

NOTE: The final bid is to be all inclusive of work shown or implied on these plans and specifications.

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ON-SITE IMPROVEMENTS

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QTY</u>	<u>UNIT PRICE</u>	<u>TOTAL PRICE</u>
A.	<u>SITE WORK</u>				
				\$60,000.00	\$60,000.00
1.	CLEAR AND GRUB	LS	1	\$185.00	\$32,375.00
2.	EXCAVATION	CY	175	\$5,000.00	\$5,000.00
3.	FILL MATERIAL	LS	1	\$2.50	\$18,160.00
4.	COMPACT ORIGINAL GROUND	SF	7,264	\$2.50	\$11,217.50
5.	CONCRETE SUBGRADE COMPACTION	SF	4,487	\$245.00	\$26,480.00
6.	0.2" ASPHALT CONCRETE	TON	108	\$80.00	\$15,120.00
7.	0.35' AGGREGATE BASE	TON	189	\$30.00	\$125,040.00
8.	CONCRETE FLAT WORK	SF	4,168	\$140.00	\$12,180.00
9.	CONCRETE CURB	LF	87	\$180.00	\$29,520.00
10.	CONCRETE CURB AND GUTTER	LF	164	\$28,000.00	\$28,000.00
11.	STAIRS COMPLETE (WITH HANDRAILS)	LS	1	\$65,000.00	\$65,000.00
12.	ADA RAMP	LS	1	\$17,000.00	\$17,000.00
13.	EMERGENCY ACCESS GATE	EA	1	\$10,000.00	\$10,000.00
14.	STRIPING	LS	1	\$650.00	\$650.00
15.	"BEWARE GATE OPENS INWARD" SIGN	EA	1		
16.	PEDESTAL KEY PAD WITH (4) BOLLARDS	EA	1	\$4,000.00	\$4,000.00
17.	HANDRAIL NEAR RESTROOM	LS	1	\$6,000.00	\$6,000.00
				Subtotal A	\$465,722.50

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QTY</u>	<u>UNIT PRICE</u>	<u>TOTAL PRICE</u>
B. <u>STORM DRAIN</u>					
1.	DROP INLET CATCH BASIN	EA	1	\$9,000.00	\$9,000.00
				<hr/>	<hr/>
2.	YARD INLET DRAIN	EA	5	\$2,000.00	\$10,000.00
				<hr/>	<hr/>
3.	12" STORM DRAIN	LF	59	\$180.00	\$10,620.00
				<hr/>	<hr/>
4.	8" STORM DRAIN	LF	64	\$160.00	\$10,240.00
				<hr/>	<hr/>
5.	RIP RAP	LS	1	\$4,000.00	\$4,000.00
				<hr/>	<hr/>
6.	GRADE LOWER TERRANCE AREA TO DRAIN	LS	1	\$19,000.00	\$19,000.00
				<hr/>	<hr/>
				Subtotal B	\$62,860.00
C. <u>SANITARY SEWER</u>					
1	CONNECT TO EXISTING FORCEMAIN	LS	1	\$6,000.00	\$6,000.00
				<hr/>	<hr/>
2	2" CHECK VALVE	EA	2	\$1,000.00	\$2,000.00
				<hr/>	<hr/>
3	2" SSFM	LF	16	\$150.00	\$2,400.00
				<hr/>	<hr/>
4	4" SEWER	LF	2	\$380.00	\$760.00
				<hr/>	<hr/>
5	SANITARY SEWER CLEAN OUT	EA	1	\$1,700.00	\$1,700.00
				<hr/>	<hr/>
6	SANITARY SEWER LIFT STATION (COMPLETE)	LS	1	\$25,000.00	\$25,000.00
				<hr/>	<hr/>
7	SANITARY SEWER SLEEVE FOR A 2" WELDED HDPE TO AWWA C906	EA	1	\$500.00	\$500.00
				<hr/>	<hr/>
				Subtotal C	\$38,360.00
D. <u>WATER</u>					
1.	CONNECT FOR EXISTING WATER (8" X 2" X 8" TEE)	LS	1	\$6,000.00	\$6,000.00
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2.	2" WATER	LF	62	\$150.00	\$9,300.00
				<hr/>	<hr/>
3.	2" METER	EA	1	\$7,500.00	\$7,500.00
				<hr/>	<hr/>
4.	2" GATE VALVE	EA	2	\$650.00	\$1,300.00
				<hr/>	<hr/>
5.	BACK FLOW PREVENTER ASSEMBLY	EA	1	\$5,000.00	\$5,000.00
				<hr/>	<hr/>
6.	3/4" WATER	LF	10	\$150.00	\$1,500.00
				<hr/>	<hr/>
7.	3/4" GATE VALVE	EA	1	\$650.00	\$650.00
				<hr/>	<hr/>
8.	2" CAP	EA	1	\$650.00	\$650.00
				<hr/>	<hr/>
9.	RELOCATE EXISTING WATER METER	LS	1	\$7,500.00	\$7,500.00
				<hr/>	<hr/>
				Subtotal D	\$39,400.00

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QTY</u>	<u>UNIT PRICE</u>	<u>TOTAL PRICE</u>
E. <u>RETAINING WALL</u>					
1.	CMU SCREEN WALL (COMPLETE AS SHOWN)	LS	1	\$140,000.00	\$140,000.00
2.	STACKED ROCK WALL (COMPLETE AS SHOWN)	LS	1	\$325,000.00	\$325,000.00
3.	REFURBISH SEA WALL, in accordance with Plan Sheet W4.0	LS	1	\$60,000.00	\$60,000.00
Subtotal E					\$625,000.00
F. <u>MISCELLANEOUS</u>					
1.	PICNIC TABLE WITH SHADE STRUCTURES (COMPLETE)	EA	5	\$6,000.00	\$30,000.00
2.	BENCHES	EA	2	\$1,500.00	\$3,000.00
3.	RELOCATE FISHING PIER	LS	1	\$20,000.00	\$20,000.00
4.	INSTALL GANGWAY WITH HANDRAIL AND ATTACH TO MOORING	LS	1	\$25,000.00	\$25,000.00
5.	INSTALL ALL ADA PARKING SIGNAGE	LS	1	\$5,000.00	\$5,000.00
6.	EROSION CONTROL (COMPLETE)	LS	1	\$25,000.00	\$25,000.00
7.	PRE-FABRICATED BATHROOM (COMPLETE AND INSTALLED)	LS	1	\$180,000.00	\$180,000.00
8.	ALL LANDSCAPING AND IRRIGATION COMPLETE (PER LANDSCAPING PLAN)	LS	1	\$75,000.00	\$75,000.00
9.	ALL ELECTRICAL WORK (COMPLETE) (PER THE ELECTRICAL PLAN)	LS	1	\$100,000.00	\$100,000.00
Subtotal F					\$463,000.00
BID TOTAL "A - F" ON-SITE					\$1,594,342.50

**Tri-Dam Project - Tulloch Day Use Project
Schedule of Bid Prices**

OFF-SITE IMPROVEMENTS

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QTY</u>	<u>UNIT PRICE</u>	<u>TOTAL PRICE</u>
A.	<u>OFF-SITE WORK</u>				
1.	CLEAR AND GRUB	LS	1	\$5,000.00	\$5,000.00
2.	EXCAVATION	CYD	16	\$185.00	\$2,775.00
3.	FILL MATERIAL INCLUDING FEATHERING SHOULDERS	LS	1	\$2,000.00	\$2,000.00
4.	COMPACT ORIGINAL GROUND	SF	1,875	\$2.50	\$4,687.50
5.	SAW CUT	LF	155	\$8.00	\$1,240.00
6.	0.2' ASPHALT CONCRETE	TON	49	\$245.00	\$12,005.00
7.	0.35' AGGREGATE BASE	TON	28	\$80.00	\$2,240.00
8.	12" AC DEEP LIFT	TON	12	\$200.00	\$2,400.00
9.	ALUMINUM IRON FENCE (COMPLETE)	LF	256	\$190.00	\$48,640.00
10.	PEDESTAL KEY PAD WITH (4) BOLLARDS	EA	1	\$4,000.00	\$4,000.00
11.	GATE MOTORS (COMPLETE)	EA	2	\$3,000.00	\$6,000.00
12.	12' SWING GATE	EA	2	\$8,500.00	\$17,000.00
13.	GATE STOP	EA	2	\$800.00	\$1,600.00
14.	STRIPING	LS	1	\$2,500.00	\$2,500.00
15.	CLASS 1 FLEXIBLE POST DELINEATOR	LS	1	\$4,500.00	\$4,500.00
16.	"NO PARKING" SIGNS	EA	2	\$650.00	\$1,300.00
17.	TRAFFIC LOOPS (COMPLETE)	LS	1	\$5,000.00	\$5,000.00
				Subtotal A	\$122,887.50

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QTY</u>	<u>UNIT PRICE</u>	<u>TOTAL PRICE</u>
B.	<u>CCWD OFF-SITE WORK</u>				
1.	INSTALLATION OF OFFSITE WATER LINE PER CCWD PLANS	EA	1	<u>\$125,000.00</u>	<u>\$125,000.00</u>
				OFF-SITE TOTAL (A + B)	<u>\$247,887.50</u>

BID TOTAL "A - F" ON-SITE	<u>\$1,594,342.50</u>
BID TOTAL OFF-SITE	<u>\$247,887.50</u>
TOTAL ON-SITE AND OFF-SITE	<u>\$1,842,230.00</u>

BID TOTAL IN WRITTEN WORDS:

One million eight hundred, forty two thousand, two hundred and
thirty dolloars and zero cents

NOTE: The final bid is to be all inclusive of work shown or implied
on these plans and specifications.

ON-SITE IMPROVEMENTS

Moyle Excavation

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QTY</u>	<u>UNIT PRICE</u>	<u>TOTAL PRICE</u>
A.	<u>SITE WORK</u>				
1.	CLEAR AND GRUB	LS	1	<u>\$146,855</u>	<u>\$146,855</u>
2.	EXCAVATION	CY	175	<u>\$1.90</u>	<u>\$33,250</u>
3.	FILL MATERIAL	LS	1	<u>\$30,000</u>	<u>\$30,000</u>
4.	COMPACT ORIGINAL GROUND	SF	7,284	<u>\$1.40</u>	<u>\$10,169.60</u>
5.	CONCRETE SUBGRADE COMPACTION	SF	4,487	<u>\$1.50</u>	<u>\$6,730.50</u>
6.	0.2" ASPHALT CONCRETE	TON	108	<u>\$337</u>	<u>\$36,396</u>
7.	0.35' AGGREGATE BASE	TON	189	<u>\$110</u>	<u>\$20,790</u>
8.	CONCRETE FLAT WORK	SF	4,168	<u>\$17.67</u>	<u>\$73,648.56</u>
9.	CONCRETE CURB	LF	87	<u>\$322.20</u>	<u>\$28,031.40</u>
10.	CONCRETE CURB AND GUTTER	LF	184	<u>\$170.92</u>	<u>\$28,030.88</u>
11.	STAIRS COMPLETE (WITH HANDRAILS)	LS	1	<u>\$41,031.25</u>	<u>\$41,031.25</u>
12.	ADA RAMP	LS	1	<u>\$47,531.25</u>	<u>\$47,531.25</u>
13.	EMERGENCY ACCESS GATE	EA	1	<u>\$9,015.50</u>	<u>\$9,015.50</u>
14.	STRIPING	LS	1	<u>\$3,900</u>	<u>\$3,900</u>
15.	"BEWARE GATE OPENS INWARD" SIGN	EA	1	<u>\$2,827.50</u>	<u>\$2,827.50</u>
16.	PEDESTAL KEY PAD WITH (4) BOLLARDS	EA	1	<u>\$4,000</u>	<u>\$4,000</u>
17.	HANDRAIL NEAR RESTROOM	LS	1	<u>\$17,139.43</u>	<u>\$17,139.43</u>
				Subtotal A	<u>\$491,815.62</u>

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QTY</u>	<u>UNIT PRICE</u>	<u>TOTAL PRICE</u>
B.	<u>STORM DRAIN</u>				
1.	DROP INLET CATCH BASIN	EA	1	\$3,500	\$3,500
2.	YARD INLET DRAIN	EA	5	\$3,000	\$15,000
3.	12" STORM DRAIN	LF	59	\$100	\$5,900
4.	8" STORM DRAIN	LF	64	\$80	\$5,120
5.	RIP RAP	LS	1	\$2,000	\$2,000
6.	GRADE LOWER TERRANCE AREA TO DRAIN	LS	1	\$5,000	\$5,000
				Subtotal B	\$36,520

C.	<u>SANITARY SEWER</u>				
1	CONNECT TO EXISTING FORCEMAIN	LS	1	\$2,500	\$2,500
2	2" CHECK VALVE	EA	2	\$500	\$1,000
3	2" SSFM	LF	16	\$90	\$1,440
4	4" SEWER	LF	2	\$50.	\$100
5	SANITARY SEWER CLEAN OUT	EA	1	\$300	\$300
6	SANITARY SEWER LIET STATION (COMPLETE)	LS	1	\$25,336	\$25,336
7	SANITARY SEWER SLEEVE FOR A 2" WELDED HOPE TO AWWA C908	EA	1	\$8,000	\$8,000
				Subtotal C	\$38,676

D.	<u>WATER</u>				
1.	CONNECT FOR EXISTING WATER (8" X 2" X 8" TEE)	LS	1	\$4,500	\$4,500
2.	2" WATER	LF	62	\$90	\$5,580
3.	2" METER	EA	1	\$3,120	\$3,120
4.	2" GATE VALVE	EA	2	\$500	\$1,000
5.	BACK FLOW PREVENTER ASSEMBLY	EA	1	\$3,500	\$3,500
6.	3/4" WATER	LF	10	\$80	\$800
7.	3/4" GATE VALVE	EA	1	\$100	\$100
8.	2" CAP	EA	1	\$100	\$100
9.	RELOCATE EXISTING WATER METER	LS	1	\$2,500	\$2,500

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QTY</u>	<u>UNIT PRICE</u>	<u>TOTAL PRICE</u>
E.	<u>RETAINING WALL</u>				
1.	CMU SCREEN WALL (COMPLETE AS SHOWN)	LS	1	<u>\$27,205.10</u>	<u>\$27,205.10</u>
2.	STACKED ROCK WALL (COMPLETE AS SHOWN)	LS	1	<u>\$90,000</u>	<u>\$90,000</u>
3.	REFURBISH SEA WALL, in accordance with Plan Sheet W4.0	LS	1	<u>\$11,050</u>	<u>\$11,050</u>
				Subtotal E	<u>\$128,255.10</u>
F.	<u>MISCELLANEOUS</u>				
1.	PICNIC TABLE WITH SHADE STRUCTURES (COMPLETE)	EA	5	<u>\$7,620.53</u>	<u>\$38,102.65</u>
2.	BENCHES	EA	2	<u>\$991.89</u>	<u>\$1983.78</u>
3.	RELOCATE FISHING PIER	LS	1	<u>\$9898</u>	<u>\$9898</u>
4.	INSTALL GANGWAY WITH HANDRAIL AND ATTACH TO MOORING	LS	1	<u>\$18,492.50</u>	<u>\$18,492.50</u>
5.	INSTALL ALL ADA PARKING SIGNAGE	LS	1	<u>\$5460</u>	<u>\$5,460</u>
6.	EROSION CONTROL (COMPLETE)	LS	1	<u>\$171,189.50</u>	<u>\$171,189.50</u>
7.	PRE-FABRICATED BATHROOM (COMPLETE AND INSTALLED)	LS	1	<u>\$135,193.50</u>	<u>\$135,193.50</u>
8.	ALL LANDSCAPING AND IRRIGATION COMPLETE (PER LANDSCAPING PLAN)	LS	1	<u>\$72,754.50</u>	<u>\$72,754.50</u>
9.	ALL ELECTRICAL WORK (COMPLETE) (PER THE ELECTRICAL PLAN)	LS	1	<u>\$144,973</u>	<u>\$144,973</u>
				Subtotal F	<u>\$598,047.43</u>
				BID TOTAL "A - F" ON-SITE	<u>\$1,314,514.15</u>

**Tri-Dam Project - Tulloch Day Use Project
Schedule of Bid Prices**

OFF-SITE IMPROVEMENTS

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QTY</u>	<u>UNIT PRICE</u>	<u>TOTAL PRICE</u>
A.	<u>OFF-SITE WORK</u>				
1	CLEAR AND GRUB	LS	1	<u>\$14,099.80</u>	<u>\$14,099.80</u>
2.	EXCAVATION	CYD	15	<u>\$600</u>	<u>\$9,000</u>
3.	FILL MATERIAL INCLUDING FEATHERING SHOULDERS	LS	1	<u>\$8,000</u>	<u>\$8,000</u>
4.	COMPACT ORIGINAL GROUND	SF	1,875	<u>\$1.90</u>	<u>\$3,562.50</u>
5.	SAW CUT	LF	155	<u>\$16</u>	<u>\$2,480</u>
6.	0.2' ASPHALT CONCRETE	TON	49	<u>\$337</u>	<u>\$16,513</u>
7.	0.35' AGGREGATE BASE	TON	28	<u>\$110</u>	<u>\$3,080</u>
8.	12" AC DEEP LIFT	TON	12	<u>\$337</u>	<u>\$4,044</u>
9.	ALUMINUM IRON FENCE (COMPLETE)	LF	256	<u>\$70.76</u>	<u>\$18,114.56</u>
10.	PEDESTAL KEY PAD WITH (4) BOLLARDS	EA	1	<u>\$4,000</u>	<u>\$4,000</u>
11.	GATE MOTORS (COMPLETE)	EA	2	<u>\$10,000</u>	<u>\$20,000</u>
12.	12' SWING GATE	EA	2	<u>\$1,750</u>	<u>\$3,500</u>
13.	GATE STOP	EA	2	<u>\$500</u>	<u>\$1,000</u>
14.	STRIPING	LS	1	<u>\$3,500</u>	<u>\$3,500</u>
15.	CLASS 1 FLEXIBLE POST DELINEATOR	LS	1	<u>\$7,003</u>	<u>\$7,003</u>
16.	"NO PARKING" SIGNS	EA	2	<u>\$3,315</u>	<u>\$3,315</u>
17.	TRAFFIC LOOPS (COMPLETE)	LS	1	<u>\$1,500</u>	<u>\$1,500</u>
				Subtotal A	<u>\$122,711.86</u>

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QTY</u>	<u>UNIT PRICE</u>	<u>TOTAL PRICE</u>
B.	<u>CCWD OFF-SITE WORK</u>				
1.	INSTALLATION OF OFFSITE WATER LINE PER CCWD PLANS	EA	1	<u>\$137,600</u>	<u>\$137,600</u>
OFF-SITE TOTAL (A + B)					<u>\$2,60,311.86</u>

BID TOTAL "A - F" ON-SITE

\$ 1,314,514.15

BID TOTAL OFF-SITE

\$ 260,311.86

TOTAL ON-SITE AND OFF-SITE

\$ 1,574,826.01

BID TOTAL IN WRITTEN WORDS:

one million five hundred seventy-four thousand
eight hundred and twenty-six dollars and one cent

NOTE: The final bid is to be all inclusive of work shown or implied on these plans and specifications.

TULLOCH DAY USE SITE

**CONSTRUCTION PHASE
ENGINEERING SERVICES**

BOARD AGENDA REPORT

Date: November 18, 2021
Staff: Susan Larson

SUBJECT: Tulloch Day Use Site—Construction Phase Engineering Services

RECOMMENDED ACTION: Review and authorize the General Manager to sign the Professional Services Agreement with Dillon & Murphy Consulting Engineers and Condor Earth to provide construction phase engineering services for the Tulloch Day Use Project.

BACKGROUND AND/OR HISTORY:

In November 2020, the Board authorized Dillon & Murphy Consulting Engineers to prepare the plans for the Tulloch Day Use Project. This included engineering, design and building permit plans, grading and encroachment permit plans and utility plans for the project. The utility plans included water, sewer and power plans for the project. Condor Earth prepared the geotechnical analysis and components of the plans for the shoreline erosion wall refurbishment, onsite retaining walls and fencing wall along the western property line.

All work under these agreements has been completed, and contracts fulfilled. As noted in the prior item, the project will move into the construction phase with the award of the contract to the project. Tri-Dam expects to handle the majority of construction management tasks, however, as Project Engineers of record, Dillon & Murphy will be required to provide inspections and certifications of work, while Condor will provide the same for the geotechnical and structural plans for their design items.

For the design services portion of the project, Condor served as a sub-consultant to Dillon & Murphy. In order to reduce overhead costs, while maintaining efficiency, each firm will perform their respective certifications under a separate Professional Services Agreement. Coordination of inspections will occur as it did during the design phase for smooth and efficient management of the project by Tri-Dam.

The anticipated maximum bid amounts are as follows:

a.	Dillon & Murphy Consulting Engineers	\$21,684.00*
b.	Condor Earth	\$38,914.00
	Total	\$60,598.00

*Assumes three (3) progress meetings at \$840.00 each. If fewer are needed, they will not be incurred. Staff's goal is to have the project complete by summer 2022, pending unforeseen delays.

Staff recommends that the Board authorize the General Manager to sign Professional Service Agreements with Dillon & Murphy and Condor Earth for the Tulloch Day Use Site construction phase engineering services portion of the project.

ATTACHMENTS: Dillon & Murphy Consulting Engineers Proposal
Condor Earth 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) Holmes (Yes/No) Kamper (Yes/No) Spyksma (Yes/No) Weststeyn (Yes/No)



847 N. Cluff Avenue, Suite A2 • Lodi, California 95240
P.O. Box 2180 • Lodi, California 95241
(209) 334-6613 • Fax (209) 334-0723

November 11, 2021

Tri-Dam Project
PO Box 1158
Pinecrest, CA 95364

Attn: Susan Larson

Re: Tulloch Lake Day Use Park
Project No. 20146

Dear Susan,

Per our recent correspondence, I have reduced my Scope of Services for Engineering support through construction of the Day Use Park on Tulloch Lake. My proposal is as follows:

1. Prepare for and attend Pre-Construction meeting.

Principle Engineer	4 hrs/meeting @ \$210/hr	\$ 840
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2. Attend Progress Meetings as requested.

Principle Engineer	4 hrs/meeting @ \$210/hr	\$ 840/mtg
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3. Construction Quality Assurance (CQA)

Per the Building Department, you need someone to act as the CQA Engineer. The responsibility is loosely defined so I am just going to assume four hours per week for this task.

Principle Engineer	4 hrs. @ \$210/hr @ 20 weeks	\$16,800
--------------------	------------------------------	----------

My work will include reviewing and approving information provided by the Construction Management team (enclosed).

Close Out

Review the punch list provided by the Construction Management team. Attend final job site walk to assure the punch list items are complete and write letter of completeness.

Principle Engineer	6 hrs @ \$210/hr	\$ 1,260
Jr. Engineer	2 hrs @ \$132/hr.	\$ 264
		\$ 1,524

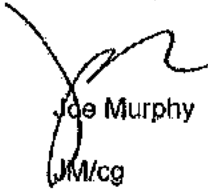
Projected Total	(assuming one progress meeting)	\$20,004
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Work beyond the Scope of this proposal

Additional work beyond the scope of this proposal will be billed on a Time & Materials basis per the attached Fee Schedule.

My proposal is based on Tri-Dam acting as the Construction Manager and Dillon & Murphy providing support as needed. If you have any questions, please contact me. Thank you.

Sincerely,



Joe Murphy
JM/cg

Enc.

April 7, 2021
Project No. 20146

CONSTRUCTION QUALITY ASSURANCE PLAN

Joe Murphy of Dillon & Murphy (Design Engineer) will also serve as the Construction Quality Assurance (CQA) Engineer. Dillon & Murphy has performed this task on private and public projects for over forty years. We will work in partnership with Tri-Dam Project (Construction Manager) and Condor Earth (Special Inspection) to ensure a quality project. Condor Earth has a long standing presence working in the project vicinity and has worked successfully on numerous projects for Tri-Dam.

We plan to have weekly progress meetings with the Contractor on site so that any issues can be resolved immediately. The Construction Manager will call for inspections as required (compaction, grade verification, special inspection, etc.) and no additional work will continue until the CQA Engineer authorizes it. If any testing fails minimum requirements, the CQA Engineer will require corrections and retesting.

The CQA is responsible for all record keeping of daily work in progress, work conditions, inspections, etc. The Construction Manager (Tri-Dam) is responsible for providing all the information to the CQA Engineer.

The CQA Engineer will keep an active set of record drawings and note any field changes as they occur. He will provide the Owner and County a complete set of As-Built drawings at the conclusion of the project.



847 N. Cluff Avenue, Suite A-2 • Lodi, California 95240
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 (209) 334-6613 • Fax (209) 334-0723

FEE SCHEDULE 2021

	<u>\$/Hr</u>
PRINCIPAL ENGINEER	\$ 210.00
STRUCTURAL ENGINEER	210.00
SR. ENGINEER	184.00
RESIDENT ENGINEER	184.00
ASSOCIATE ENGINEER	160.00
JR. ENGINEER	132.00
ENGINEERING AID	104.00
COMPUTER TECHNICIAN	122.00
LICENSED SURVEYOR	184.00
ASSISTANT RESIDENT ENGINEER	148.00
ONE-MAN SURVEY CREW WITH GPS	190.00
TWO-MAN SURVEY CREW	200.00
TWO-MAN SURVEY CREW WITH GPS	242.00
TWO-MAN SURVEY CREW PREVAILING WAGE	274.00
THREE-MAN SURVEY CREW	258.00
CONSTRUCTION MANAGER	184.00
CONSTRUCTION INSPECTOR	138.00
CONSTRUCTION INSPECTOR PREVAILING WAGE	164.00
CONSTRUCTION INSPECTOR PREVAILING WAGE OVERTIME (1 1/2)	216.00
CONSTRUCTION INSPECTOR PREVAILING WAGE OVER TIME (2)	266.00
SCHEDULER	132.00
ADMINISTRATIVE ASSISTANT	80.00
COURT APPEARANCE (1 day minimum)	3,200.00/DAY
REPRODUCTION OF DRAWINGS AND REPORTS AND OTHER SPECIAL EXPENSES	Cost plus 10%



CONDOR EARTH
21663 Brian Lane, P.O. Box 3905
Sonoma, CA 95370
209.532.0361
Fax 209.532.0773
www.condorearth.com

Condor Project No. 7262F1

November 9, 2021

Susan Larson
Tri-Dam Project
PO Box 1158
Pinecrest, CA 95364

**Subject: Proposal for Construction Phase Services
Tulloch Day Use Site
7430 O'Byrnes Ferry Road
Copperopolis, California**

Dear Ms. Larson:

Condor Earth (Condor) is pleased to present this Proposal to Tri-Dam Project (TDP) for the construction phase services for the Tulloch Day Use Site project.

Condor has completed the tasks described in our October 27, 2020 Proposal for Dillon & Murphy Engineering (D&M) that included the following:

- Perform a geotechnical engineering study and submit a report
- Evaluate the stability of the existing shoreline slope wall and backfill – report findings in our geotechnical engineering study report
- Design walls and foundations and prepare structural drawings and specifications
- Assist D&M with preparing Division 0 and Division 1 contract documents

Condor's engineering services for pre-construction and bidding phase were previously included as Task 3 in our October 27, 2021, Proposal and are now completed. They are therefore not included in the current scope of work.

The scope of services during construction for this project includes Condor and our structural engineering subconsultant (Barcus Structural Engineers) perform the following services:

- Attend a pre-construction meeting to review the geotechnical and structural engineering requirements with the contractor (Condor only)
- Review contractor submittals (submittals related to our design work)
- Respond to contractor RFI's related to our designs
- Observe and evaluate ground conditions exposed during construction and prepare supplemental geotechnical engineering recommendations, if needed
- Verify construction conformance to our designs

- Prepare design revisions, if needed
- Perform special inspections, and provide field and test reports

FEE ESTIMATE

Condor will charge our fees on a time-and-expense basis according to the attached Schedule of Fees. The attached Table 1 presents an approximate breakdown of our total \$38,914 fee estimate (including a 15% contingency); this estimate will not be exceeded for the scope provided herein. Condor's fee estimate is valid for 120 days following the date of this Proposal. After this time, we should review and update our estimate. Our Schedule of Fees is subject to change on an annual basis.

If we agree that the project requires engineering work that is beyond our scope, then we will perform additional work on a time-and-expense basis in addition to our estimated fee; additional work shall be approved in writing prior to performing the work.

Condor based our estimated fee on the following assumptions:

- Total construction workdays of 9 weeks. We understand that the construction calendar time may be significantly greater, and substantial completion may be in April or May of 2022.
- Condor will perform review for approximately 10 contractor submittals and RFIs
- Condor may prepare one or two design revisions
- Condor's Technician will perform the following number of site visits to complete various aspects of our geotechnical engineering observations/tests and special inspections – 3 hours average per site visit (including travel time):
 - Two site visits to check the overexcavation/filter fabric placement behind the existing shoreline retaining wall
 - One site visit to check the footing excavation for the new stacked rock retaining wall
 - Five visits to check new stacked rock construction, including shoreline ramp
 - Ten site visits to check filter fabric placement behind the new stacked rock retaining wall/performing observations and compaction tests for fill placement
 - Two site visits to check footing and footing reinforcement for the screen wall
 - Six site visits to observe reinforcement and grouting for the screen wall
 - Two site visits to check drilled pier excavations and reinforcement for the picnic shelters
 - Four site visits to check compaction of underground utility trench backfill
 - Four site visits to check soil subgrades and aggregate based beneath pavement and the bathroom building
- Condor's engineers/geologists will make one 2 to 3-hour site visit per week during construction (including travel time)

TERMS AND AUTHORIZATION


If acceptable, please sign and date this Proposal below and return one copy to Condor. Unless directed otherwise, the work will be performed as per this Proposal and our Professional Services Agreement with TDP, dated March 2, 2016.



Condor appreciates the opportunity to send this Proposal and we look forward to working for you on this project. Please contact us if you have any questions.

Sincerely,
CONDOR EARTH


Ron Skaggs, PE, GE, #2295
Vice President, Engineering Services


Scott W. Lewis, CEG No. 1835
Principal

Authorized by:

Name

Signature

Date

Attachments: Table 1 – Fee Estimate
2021 Schedule of Fees

X:\Project\7000_prj\7262 Tri-Dam\7262F1 Tulloch Rec Day Use Construction\Contracts_Proposals_CEP 20210405 TDP Tulloch Day Use Site Const Svcs Update_Rev2_20211109.docx



**CONDOR EARTH
PREVAILING WAGE SCHEDULE OF FEES
2021**

STAFF MEMBER **RATE PER HOUR (\$)**

PRINCIPALS/PROJECT MANAGEMENT

Senior Principal.....	245.00
Principal Tunneling Consultant.....	235.00
Principal Engineer/Geologist.....	219.00
Project Director.....	209.00
Construction Manager.....	204.00
Project/Senior Manager.....	184.00

TECHNICAL

Senior Geotechnical Engineer.....	209.00
Certified Hydrogeologist/Engineering Geologist.....	199.00
Senior Geologist/Engineer/Environmental Specialist.....	189.00
Unmanned Aerial System (UAS) Specialist.....	153.00
Resident Construction Inspector.....	153.00
Associate Geologist/Engineer/Environmental Specialist.....	153.00
Staff Geologist/Engineer/Environmental Specialist.....	138.00
Field Environmental Specialist (Group 2).....	136.00
Engineering Assistant.....	112.00
Draftsperson.....	102.00

MATERIALS TESTING*

Material Technician (Group 1).....	143.00
Material Technician (Group 2).....	138.00
Material Technician (Group 3).....	133.00
Material Technician (Group 4).....	128.00
MTSI Project/Laboratory Manager.....	128.00
Senior Materials Technician (non-PW).....	97.00

SUPPORT STAFF

Senior Project Administrator.....	133.00
Administrative Specialist.....	107.00
Project Coordinator.....	107.00
Technical Editor.....	79.00
Administrative Assistant.....	73.00

MISCELLANEOUS

Overtime (all Saturday work is overtime).....	(1.3 times rate)
Double-time (all Sundays and Holidays).....	(1.7 times rate)
Shift Pay** (Night Shift).....	(1.3 – 1.7 times rate)
Litigation Support.....	300.00 – 400.00

NON-LABOR CHARGES

Mileage charge.....	54.5 cents per mile (or current IRS rate)
Per Diem Fees for Construction Management.....	\$100/day
Laboratory Charges per Laboratory Fee Schedule. Billable Field Equipment per Billable Field Equipment Schedule.	

*A 2-hour minimum charge will be applied to all field services, and a 4-hour minimum will be applied for the cancellation of work within 24 hours of scheduled field work.

OUT-OF-POCKET EXPENSES

Billed at cost plus 15% and includes such items as travel expenses, equipment rental, laboratory fees, subcontractors, postage and freight, subcontracted printing or reproduction fees, supplies, etc.

CALIFORNIA DEPARTMENT OF INDUSTRIAL RELATIONS GROUP CLASSIFICATIONS

<u>Group 1</u>	<u>Group 2</u>	<u>Group 3</u>	<u>Group 4</u>
ASNT Level II-III	AWS-CWI	Geotechnical Driller	ACI
DSA Masonry	ICC Certified Structural Inspector	Soils/Asphalt	Drillers Helper
DSA Shotcrete	NICET Level III	Earthwork Grading	ICC Fireproofing
Lead Inspector	Shear Wall/Floor System Inspector	Excavation and Backfill	Proofload Testing
NICET Level IV	Building/Construction Inspector	NICET Level II	Torque Testing
NDT Level Two			NDT Level One

**Shift Pay: A night shift is a shift which commences after 2:00 p.m. or before 4:00 a.m. during any twenty-four (24) hour period commencing at 12:01 a.m.



**Table 1 - Fee Estimate Summary
Condor Earth**

Project Task and Name: Tri-Dam Project Construction Services Tulloch Day Use Site				
Condor Project Number: 7262F1				
Prepared by: R. Skaggs				
Date: 11/9/2021				
Description	Quantity	Rate Type	Rate	Fee Estimate
Task 1 - Construction Services				
Personnel				
Principal Engineer/Geologist	26	hr.	\$219	\$5,694
Senior Geotechnical Engineer	32	hr.	\$209	\$6,688
Staff Engineer/Geologist	12	hr.	\$138	\$1,656
Lead Materials Technician (Group 3/4)	108	hr.	\$133	\$14,364
Senior Project Administrator	4	hr.	\$133	\$532
Draftsperson	4	hr.	\$102	\$408
Administrative Assistant	12	hr.	\$73	\$876
Consultants				
Structural Engineer - Principal Engineer	1		\$220	\$220
Structural Engineer - Project Engineer	4		\$165	\$660
Unit Billing				
Compaction Characteristics Tests	4		\$265	\$1,060
Grout Tests	3		\$160	\$480
Vehicle Mileage and Expenses		est.		\$1,200
Task 1 Subtotal				\$33,838
15% Contingency				\$5,076
Total Task 1 Construction Services				\$38,914



DRAFT BUDGET
2022

BOARD AGENDA REPORT

Date: 11/18/2021
Staff: Brian Jaruszewski

SUBJECT: Fiscal Year 2022 Budget

RECOMMENDED ACTION: Recommend Approval of Fiscal Year 2022 Budget

BACKGROUND AND/OR HISTORY:

The Fiscal Year 2022 Budget was developed based upon an expectation of experiencing 75% of an average water year. Additionally, the pricing of the Silicon Valley Power contract will remain the same, at \$80 per MWh. This results in a decrease of approximately \$12 million in budgeted generation revenue.

The operating budget reflects an increase of \$50,000. This increase is composed of several individual increases or decreases. Labor and overhead (benefits) reflects an increase of approximately \$230,000. This is attributed in part to an annual IBEW negotiated increase, and also due to an increase in the annual pension costs. Other operating expenses are decreasing in total by approximately \$180,000. This is mainly due to a decrease in the Tulloch Shoreline remediation efforts, but offset by an anticipated increase in property / liability insurance.

The non-operating budget reflects a decrease of approximately \$380,000. This reduction is due to a reduction in the scope of work for the native fish and life-cycle monitoring studies, but offset by an increase in legal fees.

The capital budget has been decreased by approximately \$100,000. Many capital projects that were planned for FY2021 were deferred to future years due to the extremely low water year that was experienced.

FISCAL IMPACT: To Be Determined

ATTACHMENTS: Fiscal Year 2022 Draft Budget

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) Holmes (Yes/No) Kamper (Yes/No) Spyksma (Yes/No) Weststeyn (Yes/No)



Tri-Dam Project 2022 Budget Summary

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(J)	(I)
	2017	2018	2019	2020	2021			2022		
	Actual	Actual	Actual	Actual	Budget	YTD (Aug)	Forecast	Budget	\$ Change	% Change
1 Revenue										
2 Sale of Energy	\$ 48,114,763	\$ 21,300,521	\$ 38,562,494	\$ 27,313,002	\$ 35,977,003	\$ 14,708,133	\$ 22,082,200	\$ 26,982,780	\$ (8,994,223)	-33.33%
3 Headwater Benefits & Other Revenue	976,123	2,161,465	3,757,725	1,373,940	1,003,859	510,087	765,145.50	988,830	(15,229)	-1.54%
4 Total Revenue	\$ 49,090,886	\$ 23,461,986	\$ 42,320,219	\$ 28,686,942	\$ 36,234,705	\$ 15,218,230	\$ 22,827,345	\$ 27,971,410	\$ (8,263,295)	-29.54%
5 Expense										
6 L/OH - Operations	\$ 1,935,766	\$ 1,800,021	\$ 2,272,949	\$ 2,169,061	\$ 1,257,897	\$ 1,011,455	\$ 1,517,183	\$ 1,315,372	\$ 57,475	4.37%
7 L/OH - Administrative	473,556	454,388	629,375	600,608	782,108	561,581	\$ 782,108	892,321	110,213	12.35%
8 L/OH - Maintenance	1,714,094	1,768,437	1,405,664	1,694,406	1,949,964	1,178,226	1,943,727	2,061,953	111,989	5.43%
9 L/OH - Goodwin Dam	186,884	186,709	254,749	229,513	218,198	141,200	230,343	206,673	(11,525)	-5.58%
10 Labor & Overhead Expense	4,310,101	4,209,554	4,562,737	4,693,588	4,208,167	2,892,462	4,473,360	4,476,319	268,152	5.99%
11 Operations	116,058	142,543	65,969	128,216	195,615	83,632	128,216	204,565	8,950	4.38%
12 Administrative	1,710,261	1,711,059	2,200,253	1,838,845	2,832,330	1,406,071	1,838,845	2,593,268	(239,062)	-9.22%
13 Maintenance	3,090,025	1,118,767	2,751,613	624,516	1,344,400	335,682	455,635	1,349,900	5,500	0.41%
14 Goodwin Dam	88,075	96,348	151,389	136,907	118,342	85,774	136,907	129,242	10,900	8.43%
15 Depreciation & Amortization	1,907,147	2,039,519	2,067,330	2,088,968	2,096,400	1,564,757	2,096,400	2,127,846	31,446	1.48%
16 Operating Expense	6,911,566	5,108,236	7,238,554	4,815,451	6,587,087	3,475,916	4,656,003	6,404,822	(182,265)	-2.85%
17 Total Operating Expense	11,221,667	9,317,790	11,799,292	9,509,039	10,795,254	6,368,377	9,129,363	10,881,140	85,886	0.79%
18 Nonoperating Expense	1,686,200	1,841,202	2,425,568	1,979,536	1,992,375	997,175	1,391,425	1,610,550	(381,825)	-23.71%
19 Capital Expense	3,357,742	1,290,745	892,768	4,176,933	5,329,565	161,110	2,972,220	5,224,150	(105,415)	-2.02%
20 Total Expense	\$ 16,265,609	\$ 12,449,737	\$ 15,117,628	\$ 15,685,508	\$ 18,112,195	\$ 7,526,663	\$ 13,493,008	\$ 17,715,840	\$ (396,355)	-2.24%
21 Total Budget	\$ 13,839,593	\$ 17,021,233	\$ 18,218,828	\$ 21,494,237	\$ 18,112,195			\$ 17,715,840		
22 Total Expense - excl Capital Exp	\$ 12,907,867	\$ 11,158,992	\$ 14,224,860	\$ 11,488,575	\$ 12,787,630	\$ 7,365,553	\$ 10,520,788	\$ 12,491,690	\$ (295,940)	-2.37%
23 Net Income - incl Capital Exp	\$ 32,825,277	\$ 11,012,249	\$ 27,292,591	\$ 13,021,434	\$ 18,868,667	\$ 7,691,568	\$ 9,334,337	\$ 10,255,570	\$ (8,613,097)	-83.98%
24 Net Income - excl Capital Exp	\$ 36,183,019	\$ 12,302,994	\$ 28,095,359	\$ 17,198,367	\$ 24,193,232	\$ 7,852,678	\$ 12,308,557	\$ 15,479,720	\$ (8,713,512)	-56.29%

Historical generation (50 yrs) - KWh	449,713,000
% of historical	75%
2022 estimated gen - KWh	337,284,750
Price / MWh	\$ 80.00
Generation revenue	\$ 26,982,780

Tri-Dam Project

2022 Operations Detail		2022 Budget	Donnell's	Beardsley	Tulloch	Sandbar	Admin	Division	Mt Eliz	Str. Peak	2021 Budget	2021 YTD (Aug)	2021 Forecast	2020 Budget	2020 Actual
1	53730 Interconnection Expense 3rd Unit														
2	Annual cost PGE 3rd Unit interconnection	2,050	-	-	2,050	-	-	-	-	-	2,050	1,348	2,050	2,050	2,019
4	53740 Powerhouse & Dam utilities														
5	Station Service - Donnell's	7,000	7,000	-	-	-	-	-	-	-	-	-	-	-	-
6	Station Service - Beardsley	7,000	-	7,000	-	-	-	-	-	-	-	-	-	-	-
7	Station Service - Tulloch	7,000	-	-	7,000	-	-	-	-	-	-	-	-	-	-
8	Propane & Diesel - Donnell's	5,200	5,200	-	-	-	-	-	-	-	-	-	-	-	-
9	Propane & Diesel - Beardsley	4,000	-	4,000	-	-	-	-	-	-	-	-	-	-	-
10	Propane & Diesel - Tulloch	4,000	-	-	4,000	-	-	-	-	-	-	-	-	-	-
11															
12	Total 53740	34,200	12,200	11,000	11,000	-	-	-	-	-	34,200	6,118	9,176	24,200	29,824
13	53750 Dam Monitoring / Surveying														
14	Surveying & Monitoring	7,500	-	-	-	-	7,500	-	-	-	5,500	4,000	5,000	5,500	6,670
15															
16	Total 53750	-	-	-	-	-	-	-	-	-	4,800	1,648	2,469	4,800	3,610
17	53830 Operations Office Supplies														
18															
19	53840 Powerhouse & Dam Supplies														
20	Nitrogen & hexafluoride	2,800	-	-	-	-	2,800	-	-	-	-	-	-	-	-
21	Miscellaneous (lights, repair material, hardware, etc.)	2,000	-	-	-	-	2,000	-	-	-	-	-	-	-	-
22															
23	Total 53840	4,800	-	-	-	-	4,800	-	-	-	8,500	4,072	6,108	7,800	4,490
24	53941 Furnishings & Misc Equipment														
25	Decks, refrigerator, kitchen counter at BPH	5,000	-	5,000	-	-	-	-	-	-	-	-	-	-	-
26	GM office replacement furniture	500	-	-	-	-	500	-	-	-	-	-	-	-	-
27	Dispatch operators' desk	10,000	-	-	-	-	10,000	-	-	-	-	-	-	-	-
28	Dispatch operators' & ops supervisory chairs (2)	600	-	-	-	-	600	-	-	-	-	-	-	-	-
29															
30	Total 53941	16,100	-	5,000	-	-	11,100	-	-	-	6,000	-	10,000	17,700	3,759
31	53950 Safety Supplies & Related - Operations														
32	Ladder swing gates 10 @ \$200	2,000	667	667	667	-	-	-	-	-	-	-	-	-	-
33	Confined space annual drill & training	5,000	-	-	-	-	5,000	-	-	-	-	-	-	-	-
34	Confined space air monitors 5 @ \$640	3,840	-	-	-	-	3,840	-	-	-	-	-	-	-	-
35	Annual fire extinguisher testing & training	3,300	-	-	-	-	3,300	-	-	-	-	-	-	-	-
36	MSDS online	2,200	-	-	-	-	2,200	-	-	-	-	-	-	-	-
37	Annual hearing testing	1,800	-	-	-	-	1,800	-	-	-	-	-	-	-	-
38	Rubber safety gloves	1,500	-	-	-	-	1,500	-	-	-	-	-	-	-	-
39	Fall protection & safety harnesses	1,000	-	-	-	-	1,000	-	-	-	-	-	-	-	-
40	380 Safety training operators	575	-	-	-	-	575	-	-	-	-	-	-	-	-
41	Lock Out Tag Out supplies and locks	1,500	-	-	-	-	1,500	-	-	-	-	-	-	-	-
42	Miscellaneous (dust masks, safety glasses, hard hats, gloves, etc.)	6,000	-	-	-	-	6,000	-	-	-	-	-	-	-	-
43															
44	Total 53950	28,715	667	667	667	-	26,715	-	-	-	29,965	9,884	14,826	35,815	26,535
45	53970 Site Utilities - (ME, SP, DP only)														
46	Mt. Elizabeth PG&E	25,500	-	-	-	-	-	25,500	-	-	-	-	-	-	-
47	Strawberry Peak PG&E	22,400	-	-	-	-	-	-	-	22,400	-	-	-	-	-
48	Division Point PG&E	8,200	-	-	-	-	-	6,200	-	-	-	-	-	-	-
49															
50	Total 53970	54,100	-	-	-	-	-	6,200	25,500	22,400	42,500	23,904	35,858	33,400	48,855
51	53950 Small Tools														
52	hydrometers, flashlights, hand tools, etc	1,000	-	-	-	-	1,000	-	-	-	-	-	-	-	-
53	Miscellaneous	1,000	-	-	-	-	1,000	-	-	-	-	-	-	-	-
54															
55	Total 53950	2,000	-	-	-	-	2,000	-	-	-	2,000	-	2,000	2,950	54
56	53970 WECC Dynamic Modeling	14,500	-	-	-	-	14,500	-	-	-	19,500	-	5,000	-	-
57															
58	53751 FERC Part 12d	150,000	-	-	-	-	120,000	-	-	-	-	-	-	-	-
59	FERC Gate Inspection	200,000	-	-	-	-	175,000	-	-	-	-	-	-	-	-
60															
61	53837 FERC Miscellaneous Analyses	200,000	-	-	-	-	175,000	-	-	-	-	-	-	-	-
62															
63															
64	59230 Travel & Conference - Ops														
65	EPTC 1 @ \$2,000	2,000	-	-	-	-	2,000	-	-	-	-	-	-	-	-
66	WECC - Spring and Fall Conference 1 @ \$2,000	2,000	-	-	-	-	2,000	-	-	-	-	-	-	-	-
67	USSD - 2 @ 2,700	5,400	-	-	-	-	5,400	-	-	-	-	-	-	-	-
68	Hydrovision - 2 @ \$2,000	4,000	-	-	-	-	4,000	-	-	-	-	-	-	-	-
69	USBR dam safety - 3 @ \$2,000	6,000	-	-	-	-	6,000	-	-	-	-	-	-	-	-

Tri-Dam Project

2022 Operations Detail		2022 Budget	Donnells	Beardsley	Tulloch	Sandbar	Admin	Division	Mt. Eliz	Str. Peak	2021 Budget	2021 YTD (Aug)	2021 Forecast	2020 Budget	2020 Actual
70	EUCI - TBD 2 @ \$2,000	4,000	-	-	-	-	4,000	-	-	-	-	-	-	-	-
71	All Other Local	500	-	-	-	-	500	-	-	-	-	-	-	-	-
72	Total 59230	23,900	-	-	-	-	23,900	-	-	-	23,900	-	-	36,900	50
74	89256 Schools and Training (tuition only) - Ops														
75	Tuition - EPTC power plant operations - Colorado x ops @ \$5,000	5,000	-	-	-	-	5,000	-	-	-	-	-	-	-	-
76	Tuition - EUCI FERC compliance & enforcement (2)	4,000	-	-	-	-	4,000	-	-	-	-	-	-	-	-
77	Tuition - EUCI compliance fundamentals (2)	4,000	-	-	-	-	4,000	-	-	-	-	-	-	-	-
78	Tuition - governor training - Wisconsin 1 operator	3,200	-	-	-	-	3,200	-	-	-	-	-	-	-	-
79	Tuition - local training (Fred Pryor, Print Reading, battery trng, etc.)	500	-	-	-	-	500	-	-	-	-	-	-	-	-
80	Total 59255	16,700	-	-	-	-	16,700	-	-	-	16,700	3,125	4,688	21,700	2,260
81															
82															
83	Total Operations Expense	204,565	12,867	16,667	13,717		107,215	6,200	26,500	22,400	195,615	54,094	97,172	191,815	128,216
84															
85															
86	Labor & Overhead														
87	53510 Payroll - Labor	747,884													
88	53520 Payroll - Overhead & Nonproductive Wages	562,478													
89	53520 Payroll - Other Benefits (Boot Allowance, etc)	5,000													
90	Total Operations LCOH	1,315,372													

Tri-Dam Project

2022 Administrative Detail		2022 Budget	Donnell	Beardsley	Tulloch	Sandbar	Admin	Division	Mt Eliz	Str. Peak	2021 Budget	2021 YTD (Aug)	2021 Forecast	2020 Budget	2020 Actual
1	52000 Bank Fees														
2	OVCB - all accounts	13,500	-	-	-	-	13,500	-	-	-	13,500	8,796	13,194	13,500	12,348
3															
4	59210 Office & Administrative expense														
5	Janitorial / Cleaning Supplies	8,500	-	-	-	-	8,500	-	-	-					
6	Copier Lease	5,000	-	-	-	-	5,000	-	-	-					
7	Copier Supplies	3,500	-	-	-	-	3,500	-	-	-					
8	Postage	2,000	-	-	-	-	2,000	-	-	-					
9	Benefit Resource (Flex Spending Admin)	1,500	-	-	-	-	1,500	-	-	-					
10	Employment Ads & Public Notices	5,000	-	-	-	-	5,000	-	-	-					
11	Postage Machine Lease	1,000	-	-	-	-	1,000	-	-	-					
12	Bottled Water	3,800	-	-	-	-	3,800	-	-	-					
13	UPS / Fed Ex	400	-	-	-	-	400	-	-	-					
14	Check stock	400	-	-	-	-	400	-	-	-					
15	Cable TV	900	-	-	-	-	900	-	-	-					
16	Miscellaneous office supplies & expense	11,000	-	-	-	-	11,000	-	-	-					
17															
18	Total 59210	42,800	-	-	-	-	42,800	-	-	-	35,800	23,532	35,298	29,100	52,668
19	59215 Professional Dues & Subscriptions														
20	ACWA	20,230	-	-	-	-	20,230	-	-	-					
21	Cooperative Snow Survey Program	4,500	-	-	-	-	4,500	-	-	-					
22	Northwest Hydro Association	1,400	-	-	-	-	1,400	-	-	-					
23	CEUA	200	-	-	-	-	200	-	-	-					
24	CA Energy Markets - multiple subscriptions	3,950	-	-	-	-	3,950	-	-	-					
25	Tucare	1,400	-	-	-	-	1,400	-	-	-					
26	Cal Chamber	1,000	-	-	-	-	1,000	-	-	-					
27	GFOA	180	-	-	-	-	180	-	-	-					
28	Amazon Prime	130	-	-	-	-	130	-	-	-					
29	Safety Council	100	-	-	-	-	100	-	-	-					
30	Oakdale Leader	60	-	-	-	-	60	-	-	-					
31															
32	Total 59215	33,130	-	-	-	-	32,930	-	-	-	27,165	18,380	27,570	27,200	25,850
33	59220 Utilities - Administrative														
34	Electric	32,000	-	-	-	-	32,000	-	-	-					
35	Water	9,000	-	-	-	-	9,000	-	-	-					
36	Propane	11,200	-	-	-	-	11,200	-	-	-					
37															
38	Total 59220	52,200	-	-	-	-	52,200	-	-	-	43,000	28,096	42,144	43,700	47,449
39	59230 Travel & Conference - Admin & Districts														
40	NWHA, ACWA, Hydrovision @ \$2,000, CCSS @ \$1,000	3,500	-	-	-	-	3,500	-	-	-					
41	SSJD - 1 conferences @ \$2,000	2,000	-	-	-	-	2,000	-	-	-					
42	OID - 1 conferences @ \$2,000	2,000	-	-	-	-	2,000	-	-	-					
43	FERC Rec, FERC SMP @ \$2,250, ACWA, Hydrovision @ \$2,000	8,500	-	-	-	-	8,500	-	-	-					
44	PERS conference	2,000	-	-	-	-	2,000	-	-	-					
45	ACWA, Hydrovision @ \$2,000	4,000	-	-	-	-	4,000	-	-	-					
46	All Other Local	600	-	-	-	-	600	-	-	-					
47															
48	Total 59230	22,500	-	-	-	-	22,500	-	-	-	22,500	3,692	6,529	30,000	1,525
49	59240 Meals														
50	Board meetings, including annual Strawberry staff luncheon	3,000	-	-	-	-	3,000	-	-	-					
51	Annual employee appreciation dinner, staff meetings	3,000	-	-	-	-	3,000	-	-	-					
52															
53	Total 59240	6,000	-	-	-	-	6,000	-	-	-	5,000	2,083	3,125	5,000	2,739
54	59245 Drug Testing & Physicals	2,000	-	-	-	-	2,000	-	-	-	2,000	147	262	2,000	1,858
55															
56	59250 Computers, Related Supplies & Support														
57	Laptops (4)	12,000	-	-	-	-	12,000	-	-	-					
58	Software (adobe full x2) (digital signaturing)	1,900	-	-	-	-	1,900	-	-	-					
59	Mainsaver Annual Cost	1,000	-	-	-	-	1,000	-	-	-					
60	Printers/scanners (Strawberry Office / Tulloch)	2,300	-	-	-	-	2,300	-	-	-					
61	Tulloch Office Equipment	1,500	-	-	-	-	1,500	-	-	-					
62	Miscellaneous (cables, batteries, printers, keyboards, toner, etc.)	7,000	-	-	-	-	7,000	-	-	-					
63															
64	Total 59250	25,400	-	-	-	-	23,900	-	-	-	11,100	1,228	1,842	18,350	16,197
65	59255 Schools and Training (tuition only) - Admin														
66	Annual Biological & Dam Safety Training	-	-	-	-	-	-	-	-	-					
67	Fred Pryor, PERS, GFOA classes/webinars	1,500	-	-	-	-	1,500	-	-	-	2,500	299	2,000	5,500	314
68															
69	Total 59255	1,500	-	-	-	-	1,500	-	-	-	2,500	299	2,000	5,500	314

Tri-Dam Project

2022 Administrative Detail		2022 Budget	Donnells	Beardsley	Tulloch	Sandbar	Admin	Division	Mt Eliz	Str. Peak	2021 Budget	2021 YTD (Aug)	2021 Forecast	2020 Budget	2020 Actual
70	59260 Telephone														
71	AT&T SBC	46,500	-	-	-	-	46,500	-	-	-					
72	Calaveras Telephone	1,300	-	-	-	-	1,300	-	-	-					
73	MCI	500	-	-	-	-	500	-	-	-					
74	Total 59260	48,300	-	-	-	-	48,300	-	-	-	28,800	22,899	34,348	26,550	36,786
76	59261 ISO Communications														
77	AT&T Data Link	5,500	-	-	-	-	5,500	-	-	-	4,400	2,670	4,004	4,100	4,617
79	59265 Website & Network Operation & Maint														
80	Network support contract	55,000	-	-	-	-	55,000	-	-	-					
81	Website maintenance	1,600	-	-	-	-	1,600	-	-	-					
82	Server / network upgrades	2,000	-	-	-	-	2,000	-	-	-					
83	Total 59265	58,600	-	-	-	-	58,600	-	-	-	55,800	26,142	55,800	60,800	37,256
85	59335 Accounting & Payroll Software														
86	Payroll Processing (Paychex, ADP, Paycor)	6,500	-	-	-	-	-	-	-	-					
87	Springbrook annual maintenance agreement	7,050	-	-	-	-	7,050	-	-	-	10,550	11,075	11,075	10,550	10,548
89	59640 Streamgaging														
90	Watermark 5-year agreement	30,744	-	-	-	-	30,744	-	-	-	29,280	19,520	29,280	29,010	29,010
92	59645 Streamgaging Certification														
93	USGS Certification	39,399	-	-	-	-	39,399	-	-	-	37,523	24,830	37,245	37,523	37,244
95	59328 Reservoir management - Admin														
96	Homeowners brochures & misc public information material	1,000	-	-	-	-	1,000	-	-	-					
97	Total 59328	1,000	-	-	-	-	1,000	-	-	-	2,000	-	-	15,500	2,999
99	59410 Insurance premiums														
100	Property/Liability/Excess	672,000	-	-	-	-	672,000	-	-	-					
101	Workers Comp	48,000	-	-	-	-	48,000	-	-	-					
102	Total 59410	720,000	-	-	-	-	720,000	-	-	-	483,950	384,043	576,065	484,000	505,002
104	59670 USFS permit fees														
105	Communication site - Strawberry Peak	7,000	-	-	-	-	-	-	-	7,000					
106	Communication site - Mt. Elizabeth	5,500	-	-	-	-	-	-	5,500	-					
107	Total 59670	12,500	-	-	-	-	-	-	5,500	7,000	11,600	12,775	12,775	11,600	11,802
109	59430 Property and use taxes														
110	Property taxes, including Tulloch public access properties	25,000	-	-	-	-	25,000	-	-	-	10,000	1,210	1,210	31,000	24,548
111	Total 59430	25,000	-	-	-	-	25,000	-	-	-	10,000	1,210	1,210	31,000	24,548
113	59337 FERC Miscellaneous Analyses										150,000	26,973	40,459	30,000	60,798
115	59610 Dam safety fees - DWR	234,300	-	-	-	-	234,300	-	-	-					
116	Chief dam safety engineer / ODSP / DSSMR review / etc.	15,000	-	-	-	-	15,000	-	-	-					
117	Total 59610	249,300	-	-	-	-	249,300	-	-	-	249,300	154,087	249,300	249,300	241,057
119	59620 FERC fees - admin & land Use	316,000	-	-	-	-	316,000	-	-	-	205,000	170,571	170,571	200,000	201,062
121	59650 FERC Headwater benefit assessment	90,500	-	-	-	-	90,500	-	-	-	90,500	60,333	103,429	90,500	90,709
123	59690 EAP & Other Plan Updates rename to EAP & Other Plan Updates														
124	Miscellaneous costs (signage, brochures, etc.)	3,000	-	-	-	-	3,000	-	-	-	6,000	1,300	2,229	69,500	147,556
125	Total 59690	3,000	-	-	-	-	3,000	-	-	-	6,000	1,300	2,229	69,500	147,556
127	59310 Legal fees - general matters														
128	Downey Brand - Tulloch matters	200,000	-	-	200,000	-	-	-	-	-					
129	O'Laughlin & Paris - general matters	36,000	-	-	-	-	36,000	-	-	-					
130	O'Laughlin & Paris - Tulloch Dam spillway complaint	100,000	-	-	100,000	-	-	-	-	-					
131	Downey Brand - Tulloch house slide	10,000	-	-	10,000	-	-	-	-	-					
132	Miscellaneous	2,000	-	-	-	-	2,000	-	-	-					
133	Total 59310	348,000	-	-	310,000	-	38,000	-	-	-	348,000	131,473	225,382	473,000	82,461
135	59320 Investments Custody Fees														
136	US Bank (minimum \$1,000 per account)	2,100	-	-	-	-	2,100	-	-	-	2,100	1,177	2,000	2,100	2,000
138	59331 Auditor services														
139	Fedak & Brown	11,245	-	-	-	-	11,245	-	-	-	10,245	10,630	10,630	12,543	13,498
141	59932 Special Consultants/Resource Plans														
142	Wagner & Bonsignor - water rights reporting	15,000	-	-	-	-	15,000	-	-	-	9,500	10,521	10,521	6,000	11,459

Tri-Dam Project

2022 Administrative Detail		2022 Budget	Donnells	Beardsley	Tulloch	Sandbar	Admin	Division	Mt Elz	Str. Peak	2021 Budget	2021 YTD (Aug)	2021 Forecast	2020 Budget	2020 Actual
144	59346	License Condition Implementation													
145		Tulloch Aquatic Plant Management Plan - Article 405			5,000										
146		Miscellaneous FERC requirements (signage, brochures, etc.)			3,500		3,500								
147		Total 59346			8,500		3,500				55,000	-	50,000	35,000	-
149	59347	Tulloch Shoreline Erosion Plan													
150		Engineering / site evaluation			30,000										
151		Total 59347			30,000						600,000	-	-	315,000	140
153	59348	Tulloch Recreation Plan													
154		Update draft											5,000		800
155		Total 59348											5,000		800
157	59349	Tulloch Shoreline Management Plan													
158		Shoreline Compliance Audit									3,000	-	-	50,000	-
159		Total 59349									3,000	-	-	50,000	-
161	59350	Mussel Risk Assessment, Inspection & Monitoring													
162		Monitoring protocols, self certification printing					1,000								
163		Boat wash station - O&M			1,000										
164		Total 59350			2,000		1,000				3,000	-	-	3,500	-
166	59351	FERC Cultural Resources - Monitoring & Documentation - Hells Half Acre													
167		Annual report on cultural resources activities (HPMP)		50,000											
168		PAR		50,000							99,917	8,858	-	77,000	31,085
169		Total 59351		100,000							99,917	8,858	-	77,000	31,085
170	59353	FERC Cultural Resources - Monitoring & Documentation - Beardsley/Tulloch													
171		Data Recovery and Reporting			10,000										
172		Total 59353			10,000						30,000	12,872	22,066	101,000	53,307
174	59355	FERC Cultural Resources - Monitoring & Documentation - Ongoing													
175		Annual report on cultural resources activities (HPMP)					115,000				84,800	-	-	-	-
176		Total License Compliance Activities					215,500				775,717	19,730	77,066	666,500	-
179	59345	Shoreline Management Conference													
181	58338	Recreation Site Mgmt USFS Beardsley													
182		USFS Beardsley maintenance agreement			165,000										
183		USFS Beardsley bald eagle / falcon monitoring agreement			8,000										
184		Total 59338			173,000						110,000	-	165,000	110,000	7,500
186	59371	Reliability Consulting - NERC / WECC / OSHA					15,000				25,000	37	64	15,000	7,920
187	59373	Labor Relations Negotiation / Consulting / Salary Survey					5,000				12,000	-	5,000	27,700	23,850
188	59375	Haz Mat Business Plan & Permits					2,500				2,500	-	-	2,500	3,091
190		Total Administrative Expense		50,000	183,000	346,000	1,985,068		6,500	7,000	2,832,330	1,178,249	1,955,205	2,719,826	1,838,845
192		Labor & Overhead													
194	53510	Payroll - Labor					505,367								
195	53520	Payroll - Overhead & Nonproductive Wages					338,087								
196		Payroll - Retiree Benefits					12,432								
197		Payroll - Other Benefits (Boot Allowance, etc)					500								
198		Total Administrative L/OH					856,386								

Tri-Dam Project

2022 Maintenance Detail			2022 Budget	Donnells	Beardsley	Tulloch	Indl	Admin	Division	Mt Eliz	Str. Peak	2021 Budget	2021 YTD (Aug)	2021 Forecast	2020 Budget	2020 Actual
1	54230	Maintenance & Repairs														
2		Repair / Raze second Tulloch house	30,000	-	-	30,000	-	-	-	-	-					
3		Rebuild spill gate motors - 6 @ \$6,000 DDM (1), BDM (2), TI	6,000	2,000	2,000	2,000	-	-	-	-	-					
4		LED lighting & fixtures for switchyards - BPH	15,000	-	15,000	-	-	-	-	-	-					
5		Equipment rental	25,000	-	-	-	-	25,000	-	-	-					
6		Black Creek gate, pole replacement, & antenna	10,000	-	-	-	-	10,000	-	-	-					
7		Vegetation management - Tulloch Dam - reimburse OID	4,000	-	-	4,000	-	-	-	-	-					
8		Paint Main Office	10,000	-	-	-	-	10,000	-	-	-					
9		GM House Maintenance	30,000	-	-	-	-	30,000	-	-	-					
10		Gas & Fire protection upgrades per Zurich engineering review	5,000	1,667	1,667	1,667	-	-	-	-	-					
11		CAISO Generator Modeling (Tulloch, Beardsley, SandBar)	3,000	1,000	1,000	1,000	-	-	-	-	-					
12		MW Meter Testing	11,200	3,733	3,733	3,733	-	-	-	-	-					
13		Sump, raw water, & cooling water pump repair - various local	24,000	8,000	8,000	8,000	-	-	-	-	-					
14		LED lighting & fixtures for high bay - DPH or BPH	20,000	20,000	-	-	-	-	-	-	-					
15		Refill 50lb CO2 cylinders as needed	6,000	-	-	-	-	6,000	-	-	-					
16		New staff gauge and related survey work - Beardsley Dam	8,000	-	6,000	-	-	-	-	-	-					
17		Pest control	3,500	1,167	1,167	1,167	-	-	-	-	-					
18		Donnells PH Cottage Repairs (plumbing, paint)	5,000	5,000	-	-	-	-	-	-	-					
19		Concrete Crack Grout Sealing	15,000	7,500	-	7,500	-	-	-	-	-					
20		Rekey Locks	100,000	-	-	-	-	100,000	-	-	-					
21		Tulloch Unit 3 Relay Testing	5,000	-	-	5,000	-	-	-	-	-					
22		Miscellaneous (paint, plumbing, carpentry, electrical repair/m	60,000	-	60,000	-	-	-	-	-	-					
23		Total 54230	393,700	50,067	88,567	64,067	-	181,000	-	-	-	451,900	99,085	99,085	192,900	19,471
24																
25																
26	54460	Electrical & Electronic Expense														
27		WECC / PGE testing CT, PT, GSU transformers	10,000	3,333	3,333	3,333	-	-	-	-	-					
28		Miscellaneous (wire, conduit, tubing, coils, switches, etc)	50,000	-	-	-	-	50,000	-	-	-					
29		Total 54460	60,000	3,333	3,333	3,333	-	50,000	-	-	-	60,000	2,316	3,474	67,500	19,340
30																
31																
32																
33	54540	Site Improvements - DP,SP,ME														
34		Replace / add signage	1,000	-	-	-	-	1,000	-	-	-					
35		Miscellaneous (fencing, road material, generators, etc.)	4,000	-	-	-	-	-	1,333	1,333	1,333					
36		Total 54540	5,000	-	-	-	-	1,000	1,333	1,333	1,333	5,000	176	264	5,000	196
37																
38	54560	Computers, Related Supplies & Support														
39		Total 54560	-	-	-	-	-	-	-	-	-	33,800	35,241	40,000	18,800	13,252
40																
41	54570	Mobile Radio Repair & Replace														
42		Handheld radios - 3 @ \$400	1,200	-	-	-	-	1,200	-	-	-					
43		Vehicle radios - 2 @ \$500	1,000	-	-	-	-	1,000	-	-	-					
44		Misc	500	-	-	-	-	500	-	-	-					
45		Total 54570	2,700	-	-	-	-	2,700	-	-	-	2,700	-	-	2,500	116
46																
47	54830	Power Line Repairs	15,000	-	15,000	-	-	-	-	-	-	15,000	-	-	15,000	-
48																
49	54730	Communications, Microwave & Security Systems														
50		SCADA service contract - Siemens	23,500	-	-	-	-	23,500	-	-	-					
51		RTAC programming - DPH & DP	20,000	20,000	-	-	-	-	-	-	-					
52		PTZ cameras Donnells Dam and Mt. Elizabeth - 2 @ \$2,000	4,000	2,000	-	-	-	-	-	2,000	-					
53		Phone system support contract (NEC)	2,000	-	-	-	-	2,000	-	-	-					
54		Communication site rental	1,000	-	-	-	-	1,000	-	-	-					
55		Miscellaneous (batteries, chargers, lenses, cables & related i	15,000	-	-	-	-	15,000	-	-	-					
56		Total 54730	65,500	22,000	-	-	-	41,500	-	2,000	-	79,500	21,290	31,935	95,740	155,097
57																
58	54810	Routine Road Maintenance														
59		Road base, sand, culverts & trucking - various roads	125,000	-	-	-	-	125,000	-	-	-					
60		Mitt Creek bridge (4700 Road) repair	20,000	20,000	-	-	-	-	-	-	-					
61		Total 54810	145,000	20,000	-	-	-	125,000	-	-	-	78,000	2,359	3,539	184,000	34,049
62	69101	Major Road Repairs														
63		Hells Half Acre Road new permanent bypass - trucking & exp	100,000	-	-	-	-	100,000	-	-	-					
64		Hells Half Acre Road new permanent bypass - USFS require	120,000	-	-	-	-	120,000	-	-	-					
65		Total 69101	220,000	-	-	-	-	220,000	-	-	-	220,000	9,349	14,024	150,000	12,695
66																

Tri-Dam Project

2022 Maintenance Detail		2022 Budget	Donnells	Beardsley	Tulloch	Ind	Admin	Division	Mt Eliz	Str. Peak	2021 Budget	2021 YTD (Aug)	2021 Forecast	2020 Budget	2020 Actual
67	69500	Tulloch Spillway Road Repairs													
68		Engineering, removal & replacement													
69		Total 69500	-	-	-	-	-	-	-	-	-	-	-	-	75,961
70	59230	Travel & Conference													
71		Governor training - Wisconsin 2 @ \$2,000	4,000				4,000								
72		Technician - RTAC training - East Bay 4 @ \$1,000	2,000				2,000								
73		West Coast Hydro	2,000				2,000								
74		Crane school	1,500				1,500								
75		Technician - SCADA training (\$700 each?)	1,400				1,400								
76		OSHA Competent Inspector training	500				500								
77		Total 59230	11,400				11,400				11,400	-	-	16,000	3,710
78															
79	59255	Schools and Training													
80		Tuition - Governor training 2 @ \$3,200	6,400				8,400								
81		Tuition - Technician RTAC 4 @ \$1,500	3,000				3,000								
82		Tuition - Crane school 2 @ \$3,000	6,000				6,000								
83		Allen Bradley Training (2 @ \$3,500)	7,000												
84		Safety Training - Annual (Incl Arc Flash)	2,000				2,000								
85		Total 59255	24,400				17,400				20,400	-	-	35,050	1,899
86															
87	53930	Maintenance Office Supplies									1,500	-	-	1,500	3,810
88															
89	53950	Safety Supplies & Related - Maintenance (budgeted to Ops in 2017)													
90		Fall protection, rigging & FR gear	5,000				5,000								
91		Toe Boards / Handrails	5,000												
92		Safety Committee Recommendations	5,000				5,000								
93		Machine Guards	1,000				1,000								
94		Miscellaneous (respirators, safety glasses, hard hats, gloves,	7,000				7,000								
95		Total 53950	23,000				18,000				25,500	4,813	7,219	24,000	26,535
96															
97	59328	Reservoir Management													
98		Day Use Site	31,000			31,000									
99		Replacement buoys & cable (Maint Dept)	10,000			10,000									
100		Disposal & debris removal	5,000			5,000									
101		Elderberry / Native Plant Garden	1,000			1,000									
102		Total 59328	47,000			47,000					50,500	14,048	21,074	20,000	10,875
103															
104	59730	Rolling Stock Maintenance & Repair	100,000				100,000				100,000	50,714	76,071	85,000	121,670
105	59740	Shop Supplies	25,000				25,000				25,000	13,648	20,472	20,000	18,812
106	59750	Small Tools	20,000				20,000				20,000	8,861	13,291	20,000	15,029
107															
108	59755	Miscellaneous Equipment													
109		Peico Camera / accessories	7,000				7,000								
110		Fire Hydrants (2)	8,000	4,000	4,000										
111		Chainsaw Supplies	500				500								
112		Misc	10,000				10,000								
113		Total 59755	25,500	4,000	4,000		17,500				28,500	5,360	8,041	15,500	20,177
114															
115	59760	Disposal Fees (Waste Management, etc)	8,000				8,000				6,000	4,218	7,230	6,000	5,026
116	59770	Fuel and Fuel Tax	150,000				150,000				105,000	63,521	108,594	105,000	62,299
117															
118	59790	Equipment Operation & Maintenance													
119		Small power tools repair and maintenance	2,500				2,500								
120		Annual crane inspections	6,200				6,200								
121		Total 59790	8,700				8,700				8,700	681	1,022	13,700	4,707
122															
123		Total Maintenance Expense	1,349,900	99,400	120,900	114,400	997,200	1,333	3,333	1,333	1,344,400	335,682	455,635	1,093,290	624,516
124															
125															
126		Labor & Overhead													
127	53510	Payroll - Labor	1,146,174												
128															
129	53520	Payroll - Overhead & Nonproductive Wages	905,779												
130		Payroll - Other Benefits (Boat Allowance, etc)	10,000												
131		Total Maintenance LJOH	2,061,953												

Tri-Dam Project

2022 Non-Operating Detail			2022 Budget	2021 Budget	2021 YTD (Aug)	2021 Forecast	2020 Budget	2020 Actual
1	59339	Strategic Communications - Save-the-Stan	25,000	25,000	5,750	9,857	50,000	1,200
2	59367	Legal - USBR / SWRCB / Water Issues	500,000	360,000	299,378	449,066	360,000	360,000
4	59358	Data Analysis / Publications	100,000	100,000	44,103	100,000	100,000	150,000
5	59368	Lower River Non-native Investigation	100,000	500,000	439,274	500,000	1,000,000	725,000
6	59370	Life Cycle Monitoring	175,000	200,000	141,083	200,000	550,000	450,000
7	59377	Fish Studies Legal Support / Consulting	25,000	25,000	21,953	25,000	100,000	25,000
9	59510	Stanislaus River Basin Plan - Legal	10,000	10,000	-	-	36,000	-
10	59515	Stanislaus River Basin Plan	588,175	685,000	13,255	24,616	685,000	99,910
11	59615	Water rights fees - SWRCB	27,375	27,375	-	27,375	27,375	27,375
12	59710	District Water Rights - Legal	60,000	60,000	32,381	55,510	60,000	40,946
13	59810	Washington DC Advocacy & PR	-	-	-	-	121,000	100,105
14								
15		Total Non-Operating Expense	1,610,550	1,992,375	997,175	1,391,425	3,089,375	1,979,536

Tri-Dam Project
2022 Budget
Goodwin Dam

Acct No.	Category	2022 Budget	\$ Change	% Change	2021 Budget	2021 YTD (Aug)	2021 Forecast	2020 Budget	2020 Actual
1	OPERATIONS								
2	53940 Dam Supplies	300	0	0%	300	0	150	300	0
3	53970 Utilities	5,000	1,900	61%	3,100	2,063	3,352	3,100	4,193
4	GOODWIN OPERATIONS EXPENSE	5,300	1,900	56%	3,400	2,063	3,502	3,400	4,193
6	MAINTENANCE								
7	54330 Maintenance & Repairs to Facilities	8,000	4,000	100%	4,000	6,674	10,011	4,000	1,255
8	54330 Suspension Bridge Load Testing	0	(5,500)	0%	5,500	0	0	0	0
9	54560 Microwave / Computer Repair & Replacement	2,000	0	0%	2,000	0	0	2,000	0
10	54730 Communications & Security System	2,000	0	0%	2,000	0	2,000	11,000	6,020
11	59755 Equipment Rental from Tri-Dam Project	2,400	400	17%	2,000	1,600	2,400	2,400	2,400
12	GOODWIN MAINTENANCE EXPENSE	14,400	(1,100)	-6%	15,500	8,274	14,411	19,400	9,675
14	ADMINISTRATION								
15	59310 Legal Fees	5,000	0	0%	5,000	0	0	5,000	0
16	59331 Auditing Services	3,165	0	0%	3,165	2,475	2,475	2,475	2,475
17	59410 Insurance Premiums	20,000	10,000	115%	10,000	8,057	13,993	8,700	11,999
18	59610 Dam Safety Fees	22,000	0	0%	22,000	17,139	17,139	26,235	20,204
19	59690 EAP - Goodwin Inundation Map	500	500	2%	0	0	30,000	30,000	30,000
20	59640 Streamgaging	43,920	0	0%	43,920	29,280	43,515	43,515	43,515
21	59645 Streamgaging Certification - USGS	14,957	0	0%	14,957	9,897	14,957	14,957	14,846
22	GOODWIN ADMINISTRATIVE EXPENSE	109,542	10,500	8%	99,042	66,848	121,179	130,882	123,039
24	TOTAL OPERATIONS, MAINTENANCE & ADMIN	129,242	11,300	7%	117,942	77,185	139,082	153,682	136,907
26	LABOR & OVERHEAD								
27	53510 Payroll Labor - Operations	79,529	(12,220)	-14%	91,749	45,858	74,519	84,380	84,539
29	Payroll Labor - Administration	17,979	3,372	18%	14,607	12,492	20,300	21,095	15,859
30	Payroll Labor - Maintenance	30,892	(12,219)	-93%	43,111	19,142	31,106	13,071	30,678
31	53520 Payroll Overhead - Operations	48,784	7,122	14%	41,662	20,866	33,582	51,632	63,986
32	Payroll Overhead - Administration	9,430	2,400	19%	7,030	4,621	7,509	12,908	11,351
33	Payroll Overhead - Maintenance	20,058	19	0%	20,039	9,838	15,987	10,122	24,130
34	TOTAL LABOR & OVERHEAD	206,673	(11,525)	-6%	218,198	112,617	183,003	193,208	230,343
36	TOTAL GOODWIN EXPENSE	335,915	(225)	0%	336,140	189,802	322,095	346,890	367,250
37	CAPITAL EXPENDITURES								
38	DVR replacement	0	0	0%	0	0	0	9,500	9,500
39	Microwave link upgrade	0	0	0%	0	0	0	25,000	25,000
40	E-Gen Replacement	0	(40,000)	0%	40,000	0	0	0	0
41	RTAC Programming	20,000	0	0%	20,000	0	0	0	0
42	Upgrade SCADA RTU / RTAC	12,000	0	0%	12,000	0	0	12,000	0
43	TOTAL CAPITAL EXPENDITURES	32,000	(40,000)	-86%	72,000	0	0	46,500	34,500

**Tri-Dam Project
Capital Expenditures Budget
2022**

EXPENDITURE	Note	LOCATION	ESTIMATED COST	TRI-DAM LABOR COST	TOTAL BUDGET 2021	TOTAL BUDGET 2022
1 2017 Tulloch Recreation Site		Tulloch Reservoir	1,470,000	30,000	1,500,000	1,537,325
2 2019 Tulloch Spillway		Tulloch	250,000	-	2,230,000	250,000
3						
4 2021 Survey install new staff gauge		Beardsley	6,000	-	6,000	6,000
5 2021 Move Gen out of Equipment Building		Beardsley	1,000	9,000	10,000	10,000
6 2021 A-Bay Building for Gate controls		Beardsley A-Bay Dam	5,500	7,500	13,000	13,000
7 2021 24VDC Battery Chargers		Beardsley PH	8,400	750	9,150	9,150
8 2021 Beardsley water tank		Beardsley PH	90,000	48,000	138,000	138,000
9 2021 Gov. Modernization change to Woodward	Incl vert dist valve	Beardsley PH	140,000	1,500	141,500	141,500
10 2021 Self Dumping Hoppers		Beardsley Service Center	4,500	-	4,500	5,000
11 2021 Blk Crk Gate, Pole replacement, Antenna cable, conduit etc.		Black Creek	7,500	1,500	9,000	9,000
12 2021 Division Tower and Comm site install		Division Point	378,915	6,000	384,915	384,915
13 2021 Pump/Motor Rebuilds		Donnells	36,000	-	36,000	36,000
14 2021 Donnells Wheel Repair/Jet Brake cone Repair		Donnells	150,000	-	150,000	150,000
15 2021 Donnells Gov. Upgrade to new Hardware		Donnells	128,000	-	128,000	128,000
16 2021 High Bay LED Lighting		Donnells PH	20,000	-	20,000	20,000
17 2021 RTAC Programming		Goodwin	20,000	-	20,000	20,000
18 2021 Upgrade SCADA RTU / RTAC		Goodwin	12,000	-	12,000	12,000
19 2021 Sierra controls additions		Misc	30,000	-	30,000	30,000
20 2021 Spare SS Transformer 480V-240V		Misc	5,000	-	5,000	5,000
21 2021 SF6 Gas analyzer		Misc	40,000	-	40,000	40,000
22 2021 VOIP Phone System		Misc	50,000	10,000	-	60,000
23 2021 microwave battery banks		Misc	80,000	-	80,000	80,000
30 2021 Tulloch skimmer Gate actuator		Tulloch	17,000	9,000	26,000	26,000
33 2021 Tulloch Cooling Water pump #1		Tulloch PH	10,000	-	10,000	10,000
35 2022 IT Hardware Upgrades		Admin	20,000	-	-	20,000
36 2022 Accounting / Finance System (replace Springbrook)		Admin	35,000	-	-	35,000
37 2022 Repair Beardsley Trunnion Pin		Beardsley	80,760	-	-	80,760
38 2022 Historian data system		Admin	100,000	-	-	100,000
39 2022 New Forklift for Tulloch		Tulloch	15,000	-	-	15,000
40 2022 All location flow meters (engineering in 2022)		Misc	200,000	-	-	100,000
41 2022 TPH sewage ejection system		Tulloch	25,000	-	-	25,000
42 2022 Mt. Liz Microwave Upgrade		Mt Elizabeth	55,000	-	-	55,000
43 2022 eLogger data system		Admin	25,000	-	-	-
44 2022 Donnells Dam Power Supply (engineering, etc.)		Donnells	100,000	-	-	100,000
46 2022 boat		Tulloch	80,000	-	-	80,000
47 2022 DDM 48" Valve Position Feedback to SCADA		Misc	7,500	-	-	7,500
48 2022 Strawberry Parking Lot		Strawberry	400,000	-	-	400,000
49 2022 Ra-Roof Division Point		Division Point	10,000	-	-	10,000
50 2022 Pressure Relief Valve Rebuild		Beardsley	800,000	-	-	800,000
51 2022 Manlift		Vehicle	50,000	-	-	50,000
53 2022 Replacement GM Vehicle		Vehicle	65,000	-	-	65,000
54 2022 Trucks (2) - 3500s 1 tons		Vehicle	160,000	-	-	160,000
			<u>5,499,075</u>	<u>138,750</u>	<u>5,329,565</u>	<u>5,224,150</u>

CALPERS
UNFUNDED ACCRUED LIABILITY

BOARD AGENDA REPORT

Date: 11/18/2021
Staff: Brian Jaruszewski

SUBJECT: CalPERS Unfunded Accrued Liability

RECOMMENDED ACTION: Recommend approval to make an Additional Discretionary Payment to CalPERS in FY2021 to reduce Tri-Dam's pension liability, utilizing funds currently held in reserves.

BACKGROUND AND/OR HISTORY:

In July, Tri-Dam remitted the lump sum annual payment of approximately \$300,000 to CalPERS for the Unfunded Accrued Liability (UAL). The current amortization schedule reflects annual UAL payments ranging in amount between approximately \$200,000 and \$380,000 through 2029.

To reduce the amount of "interest" being paid by Tri-Dam, Additional Discretionary Payments (ADPs) can be remitted at any time during the year.

Three different scenarios are presented for discussion and consideration:

1. ADP of \$750,000 on 12/1/2021. This option results in the least impact to current year cash flow or balances. However, this option results in the least amount of cost (interest) savings, and adjusts the amortization schedule to require four (4) subsequent annual lump sum payments.
2. ADP of \$1,000,000 on 12/1/2021. This option results in a greater impact to current year cash flow or balances, and also a greater cost savings. This option also reduces the amortization to three (3) subsequent lump sum payments.
3. ADP of \$1,250,000 on 12/1/2021. This option results in the greatest impact to current year cash flow or balances, but also provides for the greatest cost savings. This option also reduces the amortization schedule to require only two (2) subsequent lump sum payments.

FISCAL IMPACT: To Be Determined

ATTACHMENTS: Projected Amortization Schedules for each scenario

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) Holmes (Yes/No) Kamper (Yes/No) Spyksma (Yes/No) Weststeyn (Yes/No)

Agency: TRI-DAM PROJECT MISCELLANEOUS PLAN

Rate Plan ID: 419

Options:

Select from drop down menu (cell B7) and click "Run Scenario" button.

Select from drop down menu (cell B7) and click "Run Scenario" button.

Payoff. Enter a unique number for each base. **DO NOT** click "Run Scenario" button.

MVA 6/30/2020 \$ 18,845,113

Fiscal Year

2020 - 2021 2021 - 2022

Investment Return*

21.3% 6.8%

Economic Assumption Change

Discount Rate: 6.80%

Inflation Rate: 2.50%

Payroll Growth Rate: 2.75%

Risk Mitigation: Show Risk Mitigation

21-22 ADP Amount		21-22 ADP Amount		21-22 ADP Amount		21-22 ADP Amount		21-22 ADP Amount	
Total Payments	\$ 2,070,316	\$ 1,000,000	Total Payments	\$ 1,724,015	\$ (346,302)	Funded Ratio 2020 val:			
Interest Paid	\$ 382,326		21 - 22 Payment Date Interest Paid	\$ 36,025		82.7%			
		12/1/2021	Total Savings	\$ 346,301					

Base Name and FULL/PARTIAL Payoff	Balance as of June 30, 2022	Remaining Period	Original Schedule		Total ADP (Valued Mid-year)	Schedule with ADP		Contribution Difference	Projected Funded Ratio End of Year
			Balance	Payment		Balance	Payment		
Assumption Change 2021	\$ 654,367	21	2020-21	\$ 3,949,155	\$ 264,942	\$ 3,949,155	\$ 264,942	\$ -	92.3%
Investment (Gain)/Loss 2021	(2,875,023)	21	2021-22	\$ 1,856,638	\$ 301,514	\$ 1,856,638	\$ 301,514	\$ 1,000,000	97.5%
Investment (Gain)/Loss 2022	-	22	2022-23	\$ 1,687,990	\$ 350,150	\$ 649,102	\$ 278,538	\$ (71,612)	98.4%
Share of Pre-2013 Pool UAL 2013	2,013,590	14	2023-24	\$ 1,458,071	\$ 380,462	\$ 422,545	\$ 307,248	\$ (73,214)	99.5%
Investment (Gain)/Loss 2013 PARTIAL	1,077,670	23	2024-25	\$ 1,164,034	\$ 352,815	\$ 133,756	\$ 138,228	\$ (214,586)	100.0%
Non-Investment (Gain)/Loss 2014 FULL	1,820	24	2025-26	\$ 878,576	\$ 309,960	-	\$ -	\$ (309,960)	100.0%
Assumption Change 2014	934,380	14	2026-27	\$ 617,994	\$ 265,133	-	\$ -	\$ (265,133)	100.0%
Assumption Change 2016	385,739	16	2027-28	\$ 386,018	\$ 209,661	-	\$ -	\$ (209,661)	100.0%
Assumption Change 2017	440,160	17	2028-29	\$ 195,595	\$ 202,136	-	\$ -	\$ (202,136)	100.0%
Non-Investment (Gain)/Loss 2018 FULL	101,368	28	2029-30	\$ -	\$ -	-	\$ -	\$ -	100.0%
Assumption Change 2018	714,093	18	2030-31	\$ -	\$ -	-	\$ -	\$ -	100.0%
Method Change 2018	196,400	18	2031-32	\$ -	\$ -	-	\$ -	\$ -	100.0%
Investment (Gain)/Loss 2019	109,555	19	2032-33	\$ -	\$ -	-	\$ -	\$ -	100.0%
Non-Investment (Gain)/Loss 2019	94,991	19	2033-34	\$ -	\$ -	-	\$ -	\$ -	100.0%
Investment (Gain)/Loss 2020	509,525	20	2034-35	\$ -	\$ -	-	\$ -	\$ -	100.0%
Non-Investment (Gain)/Loss 2020	81,650	20	2035-36	\$ -	\$ -	-	\$ -	\$ -	100.0%

BEARDSLEY PRV

BOARD AGENDA REPORT

Date: 11/18/2021

Staff: Jarom Zimmerman

SUBJECT: Beardsley PRV Stephens Mechanical

RECOMMENDED ACTION: Discussion and possible action to approve the Stephens Mechanical invoice for Beardsley PRV work

BACKGROUND AND/OR HISTORY:

The pressure relief valve (PRV) at the Beardsley Powerhouse is a large bypass valve that reroutes water around the unit when the unit trips offline. When the unit trips the wicket gates close immediately, and there is a large mass of water that is moving towards the unit that now has to stop. When the mass is suddenly stopped, it results in a huge pressure spike that can actually rupture penstocks. This large PRV senses the pressure spike and immediately opens to bypass water, instantly relieving the high pressure in the penstock. The valve has not been functioning properly for over a decade, and requires a hydraulic jack to move a hand operator to reposition the valve after it has been actuated. This poses a safety concern for personnel operating this jack and a safety concern for the dam and powerhouse if the bypass valve failed to operate during a unit trip. We contracted with Stephens Mechanical Corp, who specialize in inspecting, maintaining, and overhauling these large PRVs, to come disassemble, inspect, and reassemble the Beardsley PRV and develop a scope of work for needed repairs. The contracted amount was \$14,115, which was within the purchasing authority of the General Manager, and therefore, was approved by me.

The work began on October 18, and was estimated to take 40 hours. Due to the unforeseen level of deterioration, the valve took much longer to disassemble than anticipated. With the extended time that it took to disassemble, the crew along with Stephens Mechanical had to work through the weekend to reassemble the valve in time for the unit to come back online the next week to maintain river flows. As a result, the contracted amount of \$14,115 increased in a cost to \$29,729. After reassembly we also contracted Unico, through Stephens Mechanical, to recalibrate the pressure relief components of the valve for \$5,232.50.

FISCAL IMPACT: \$34,961.50

ATTACHMENTS: Stephens Mechanical Invoices

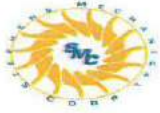
Board Motion:

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) Holmes (Yes/No) Kamper (Yes/No) Weststeyn (Yes/No) Spysma (Yes/No)



Stephens Mechanical Corp.
 497 Edison Court
 Suite D
 Fairfield CA 94534
 (707) 747-5847

License: 775100

Time & Materials Invoice

Invoice#: 2897

Invoice Date: 11/04/2021

To: Tri-Dam
 31885 Old Strawberry Road
 Strawberry CA 95375

Project: Beardsley PRV Inspection
 31885 Old Strawberry Road
 Strawberry CA 95375

PO#: Beardsley PRV

Terms: 30DY

Record#	Trans#	Date	Description	Billing Amount	Taxable
1850 Beardsley PRV Inspection					
1 Straight Time					
2.009 Millwright					
40945	Gilbert Camacho	10/18/2021	10.00 hrs @ 128.00	1,280.00	
40946	Gilbert Camacho	10/19/2021	10.00 hrs @ 128.00	1,280.00	
40947	Gilbert Camacho	10/20/2021	10.00 hrs @ 128.00	1,280.00	
40948	Gilbert Camacho	10/21/2021	10.00 hrs @ 128.00	1,280.00	
41203	Paul R Stephens	10/18/2021	8.00 hrs @ 128.00	1,024.00	
				Subtotal:	6,144.00
2.010 Foreman					
41134	Andrew J Riccardi	10/18/2021	10.00 hrs @ 148.00	1,480.00	
41135	Andrew J Riccardi	10/19/2021	10.00 hrs @ 148.00	1,480.00	
41136	Andrew J Riccardi	10/20/2021	10.00 hrs @ 148.00	1,480.00	
41137	Andrew J Riccardi	10/21/2021	10.00 hrs @ 148.00	1,480.00	
				Subtotal:	5,920.00
3.001 Truck					
41279	Truck-01	10/18/2021	1.00 @ 265.00	265.00	
41280	Truck-10	10/18/2021	1.00 @ 265.00	265.00	
41281	Truck-10	10/19/2021	1.00 @ 265.00	265.00	
41282	Truck-10	10/20/2021	1.00 @ 265.00	265.00	
41283	Truck-10	10/21/2021	1.00 @ 265.00	265.00	
				Subtotal:	1,325.00

A service charge of 0.00 % per annum will be computed on all amounts overdue on regular statement dates.

Thank You for your prompt payment!

Time & Materials Invoice

Invoice#: 2897

Continued...

Date: 11/04/2021

Record#	Trans#	Date	Description	Billing Amount	Taxable
5.010 Subsistence - Supervision					
41138	Andrew J Riccardi	10/18/2021	1.00 hrs @ 195.00	195.00	
41139	Andrew J Riccardi	10/19/2021	1.00 hrs @ 195.00	195.00	
41140	Andrew J Riccardi	10/20/2021	1.00 hrs @ 195.00	195.00	
41141	Andrew J Riccardi	10/21/2021	1.00 hrs @ 195.00	195.00	
				Subtotal:	780.00
5.011 Subsistence - Millwright					
40949	Gilbert Camacho	10/18/2021	1.00 hrs @ 155.00	155.00	
40950	Gilbert Camacho	10/19/2021	1.00 hrs @ 155.00	155.00	
40951	Gilbert Camacho	10/20/2021	1.00 hrs @ 155.00	155.00	
40952	Gilbert Camacho	10/21/2021	1.00 hrs @ 155.00	155.00	
				Subtotal:	620.00
				1 Straight Time Total:	14,789.00
				Total:	14,789.00
				Total Charges:	14,789.00
Total Taxable:				<u>Sales Tax</u>	
				Invoice Total:	14,789.00



License: 775100

Stephens Mechanical Corp.
497 Edison Court
Suite D
Fairfield CA 94534
(707) 747-5847

Time & Materials Invoice

Invoice#: 2898

Invoice Date: 11/04/2021

To: Tri-Dam
31885 Old Strawberry Road
Strawberry CA 95375

Project: Beardsley PRV Inspection
31885 Old Strawberry Road
Strawberry CA 95375

PO#: Beardsley PRV

Terms: 30DY

Record#	Trans#	Date	Description	Billing Amount	Taxable
1850 Beardsley PRV Inspection					
2 Overtime					
2.009 Millwright					
40953	Gilbert Camacho	10/22/2021	10.00 hrs @ 161.00	1,610.00	
40954	Gilbert Camacho	10/23/2021	10.00 hrs @ 161.00	1,610.00	
				Subtotal:	3,220.00
2.010 Foreman					
41142	Andrew J Riccardi	10/22/2021	10.00 hrs @ 187.00	1,870.00	
41143	Andrew J Riccardi	10/23/2021	10.00 hrs @ 187.00	1,870.00	
				Subtotal:	3,740.00
3.001 Truck					
41284	Truck-10	10/22/2021	1.00 @ 265.00	265.00	
41285	Truck-10	10/23/2021	1.00 @ 265.00	265.00	
				Subtotal:	530.00
5.010 Subsistence - Supervision					
41144	Andrew J Riccardi	10/22/2021	1.00 hrs @ 195.00	195.00	
41145	Andrew J Riccardi	10/23/2021	1.00 hrs @ 195.00	195.00	
				Subtotal:	390.00
5.011 Subsistence - Millwright					
40955	Gilbert Camacho	10/22/2021	1.00 hrs @ 155.00	155.00	
40956	Gilbert Camacho	10/23/2021	1.00 hrs @ 155.00	155.00	

A service charge of 0.00 % per annum will be computed on all amounts overdue on regular statement dates.

Thank You for your prompt payment!

Time & Materials Invoice

Invoice#: 2898

Continued...

Date: 11/04/2021

Record#	Trans#	Date	Description	Billing Amount	Taxable
				Subtotal:	310.00
			2 Overtime	Total:	8,190.00
				Total:	8,190.00
			Total Charges:		8,190.00
		Total Taxable:		Sales Tax	
				Invoice Total:	8,190.00



SMO
 445 Industrial Way #1
 Banning, CA 92506
 CA Lic #775111
 CR Lic #198297
 MZ Lic #308099

Office 707-747-5547
 Office Fax (925) 966-1122
 Cell (925) 201-0577
 Shop Fax (707) 747-5240
 paul@stephensmechanical.com

Customer: Tree Dem
 Job Description: Tree Removal PRN - BEARDSLEY PH

Customer P.O. # _____ SMO Job # 1856-2 Date 10/26/21

EMPLOYEE NAME	JOB #	DATE							TRAVEL TIME	TOTAL HOURS	REMARKS
		10/18	10/19	10/20	10/21	10/22	10/23	10/24			
Anthony	For					10	10		20	2 Days	
Colin	For					10	10		20	2 Days	

Truck and Trailer and Tools	# of Days
Tool Truck	2
Tool Trailer	
Laser Alignment Kit	
Laser Level Kit	
Laser Sore Kit	
Laser Shave Int.	
Hydraulic Wrench Set	

Equipment Rental	# of Days

Daily PPE and Safety Equipment Charge	# of Work Days	Extra P.P.E.	Quantity

Consumables and Special Tooling _____

Received By: [Signature] Date: 10-26-21



Stephens Mechanical Corp.
 497 Edison Court
 Suite D
 Fairfield CA 94534
 (707) 747-5847

License: 775100

Time & Materials Invoice

Invoice#: 2899

Invoice Date: 11/04/2021

To: Tri-Dam
 31885 Old Strawberry Road
 Strawberry CA 95375

Project: Beardsley PRV Inspection
 31885 Old Strawberry Road
 Strawberry CA 95375

PO#: Beardsley PRV

Terms: 30DY

Record#	Trans#	Date	Description	Billing Amount	Taxable
1850 Beardsley PRV Inspection					
1 Straight Time					
2.009 Millwright					
41328	Gilbert Camacho	10/25/2021	10.00 hrs @ 128.00	1,280.00	
41329	Gilbert Camacho	10/26/2021	10.00 hrs @ 128.00	1,280.00	
				Subtotal:	2,560.00
2.010 Foreman					
41454	Andrew J Riccardi	10/25/2021	10.00 hrs @ 148.00	1,480.00	
41455	Andrew J Riccardi	10/26/2021	10.00 hrs @ 148.00	1,480.00	
				Subtotal:	2,960.00
3.001 Truck					
41583	Truck-10	10/25/2021	1.00 @ 265.00	265.00	
41584	Truck-10	10/26/2021	1.00 @ 265.00	265.00	
				Subtotal:	530.00
5.010 Subsistence - Supervision					
41456	Andrew J Riccardi	10/25/2021	1.00 hrs @ 195.00	195.00	
41457	Andrew J Riccardi	10/26/2021	1.00 hrs @ 195.00	195.00	
				Subtotal:	390.00
5.011 Subsistence - Millwright					
41330	Gilbert Camacho	10/25/2021	1.00 hrs @ 155.00	155.00	
41331	Gilbert Camacho	10/26/2021	1.00 hrs @ 155.00	155.00	

A service charge of 0.00 % per annum will be computed on all amounts overdue on regular statement dates.

Thank You for your prompt payment!

Time & Materials Invoice

Invoice#: 2899

Continued...

Date: 11/04/2021

Record#	Trans#	Date	Description	Billing Amount	Taxable
				Subtotal:	310.00
			1 Straight Time	Total:	6,750.00
				Total:	6,750.00
			Total Charges:		6,750.00
		Total Taxable:	Sales Tax		
			Invoice Total:		6,750.00



Stephens Mechanical Corp.

497 Edison Court
Suite D
Fairfield CA 94534
(707) 747-5847

License: 775100

Change Order

Order#: 1

Order Date: 11/02/2021

To: Tri-Dam
31885 Old Strawberry Road
Strawberry CA 95375

Project: 1860
PRV Engineer Support
31885 Old Strawberry Road
Strawberry CA 95375

The contractor agrees to perform and the owner agrees to pay for the following changes to this contract.

Plans Attached

Ordered By: 1264 Paul Stephens

Customer Order: Beardsley PRV

Specifications Attached

Description of Work	Amount
Unico Support	5,232.50

Notes

Negative changes will lower the overall contract price requiring no additional payment by owner.

Requested Amount of Change

5,232.50

The original Contract Sum was	0.00
Net change by previous Change Orders	0.00
The Contract Sum prior to this Change Order	0.00
The Contract Sum will be changed by this Change Order	5,232.50
The new Contract Sum including this Change Order will be	5,232.50
The Contract Time will be changed by	0 Days

Owner: _____ Date: _____

Contractor: _____ Date: _____

JPIA
BOARD OF DIRECTORS

BOARD AGENDA REPORT

Date: 11/18/2021
Staff: Jarom Zimmerman

SUBJECT: JPIA Board of Directors – Member / Alternate

RECOMMENDED ACTION: Discussion and possible action to select a JPIA Director and Alternate Representatives

BACKGROUND AND/OR HISTORY:

In the October 2021 Tri-Dam board meeting, the Directors questioned whether Director Roos needed to be replaced as the ACWA JPIA board member. The Board updated the Member and Alternate Representatives on March 26, 2020, with Director Holbrook as the primary, and GM Zimmerman as the alternate. The board is not required to change the current JPIA representatives, but given there are new directors, the board can vote to decide on whether or not to keep the representatives as they are or vote on new representatives.

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) Holmes (Yes/No) Kamper (Yes/No) Spyksma (Yes/No) Weststeyn (Yes/No)

**YEAR-END
STAFF APPRECIATION**

BOARD AGENDA REPORT

Date: 11/18/2021

Staff: Jarom Zimmerman

SUBJECT: Year-End Staff Appreciation

RECOMMENDED ACTION: Discussion and possible action to approve paid time off between Christmas and New Year's for all Tri-Dam employees

BACKGROUND AND/OR HISTORY:

In previous years, the Board has shown appreciation to Tri-Dam staff by providing additional paid time off between Christmas and New Year's. Even with the low water year, Tri-Dam staff has completed an exceptional amount of maintenance and upgrades, and even on a reduced budget. They have found ways to reduce expenditures by performing much of the work in-house, which will result in additional savings for the Districts and more reliable generation equipment and facilities.

The General Manager recommends providing paid time off for the work days in between Christmas and New Year's Day for all Tri-Dam employees. If an employee is unable to take the time off due to their position requirements, such as a shift operator, they will receive the time as vacation accrual to use at a later date.

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) Holmes (Yes/No) Kamper (Yes/No) Spyksma (Yes/No) Weststeyn (Yes/No)

**2021 IBEW
INCENTIVE PROGRAM**

BOARD AGENDA REPORT

Date: November 18, 2021
Staff: Jarom Zimmerman

2021 IBEW Incentive Program

Background Summary:

Article 21.2 of the Memorandum of Understanding (MOU) between the IBEW and Tri-Dam provides that represented employees of the Project be entitled to a wage bonus each year based on not exceeding a cumulative number of hours for unplanned or forced outages. The total bonus amount is calculated based on the number of eligible employees.

The basis of the plan establishes a threshold of 200 hours or less for unplanned outages per year. The time period is December 1 through November 30. If unplanned outages do not exceed 200 hours then the total incentive bonus amount is divided equally amongst the eligible, represented employees.

If unplanned outages exceed 200 hours, the bonus is reduced by 10% for each 24-hour period of outage time exceeding the 200-hour threshold. Therefore, if an outage or combination of outages exceeds 8.3 days the bonus is reduced by 10% for each 24-hour period.

The cumulative hourly amount of unplanned outages in the period of December 1, 2019 through November 4, 2020 is as follows:

	<u>2021</u>	<u>2020</u>
Donnells Powerhouse:	13.37 hours	17.17 hours
Beardsley Powerhouse:	0.00 hours	1.06 hours
Tulloch Powerhouse:	5.49 hours	1.15 hours
Sandbar Powerhouse:	0.00 hours	3.24 hours
Total Unplanned outage time:	19.26 hours	23.02 hours

The total unplanned outage hours are projected to be less than the threshold of 200 hours, and thus the entire bonus of \$36,000 is payable. A bonus payment of \$1,894.73 will be made to each of the 19 eligible represented employees. Incentive Bonus payments were made in 2011 – 2017, 2019, 2020 and were not made in 2009, 2010 and 2018 due to the Donnells Powerhouse generator failure and the Donnells thrust bearing failure.

Excerpt from IBEW MOU 2018-2024

21.2 The Project Incentive Program is based on the Plant system's performance. We know that unforeseen circumstances will sometimes result in unplanned outages. This program is intended to reduce such outages by providing an incentive that acknowledges the commitment and dedication of Tri-Dam employees to limit outages and assure the safe and continuous operation of Project facilities. To that end, an annual incentive pool of \$32,000 has been established to focus all of our attention on doing the little things that prevent interruptions in service. For each additional Bargaining Unit employee hired after the effective date of this MOU, the Project will increase the annual incentive pool by \$2,000 for each additional employee. Additional Bargaining Unit employee shall mean an employee(s) that is 1) eligible for the incentive bonus, and 2) will increase the number of Bargaining Unit employees above the current number of seventeen (17).

The goal of the program is to have no power outages. An outage for the purposes of this program is defined as:

- a) When a Tri-Dam Plant or System fails to function such that generation is restricted by 20%.
- b) Generation is suspended entirely or requires unusual operating circumstances (such as 24 hour station attendance).

An annual outage allowance of 200 hours will be established that will not be considered in determining the incentive under this program. Once the 200 hour threshold is exceeded then each hour thereafter shall be recorded and will reduce the value of the potential payout. The incentive calculation shall be adjusted such that for each 24 hour outage period, the potential incentive award will be reduced by 10%.

Note: the Project anticipates a 1-3 week annual maintenance outage that is separate from and will not affect this program.

Example:

Incentive Fund equals \$32,000
Annual outage hours recorded: 248
Incentive Reduction: 248 penalty hours - 200 hour allowance = 48 hours
 $48 / 24 = 2$
 $2 \times 10\% = 20\%$
 $\$32,000 \times 20\% = \$6,400$
Net incentive payment = $\$32,000 - \$6,400 = \$25,600$

Method and Timing of Payment:

The Program will run from December 1 through November 30 of each Program year. All Bargaining Unit employees who are on the active payroll and who have completed their probationary period as of November 30 of each year will be eligible to receive an award. The net incentive payment will be divided equally among the eligible Bargaining Unit employees on the payroll as of November 30. Payment will be made after the first pay day, but prior to second pay day in December. Incentive payments, by law, are subject to normal state and federal payroll tax deductions. Should the plan not be continued under a subsequent Memorandum of Understanding, the Parties will meet and confer concerning the effects of ending the Program should the Program terminate prior to the end of a full Program year.

**TRI-DAM PROJECT
AND
TRI-DAM POWER AUTHORITY
TRANSITION**

Notes:

STAFF REPORTS

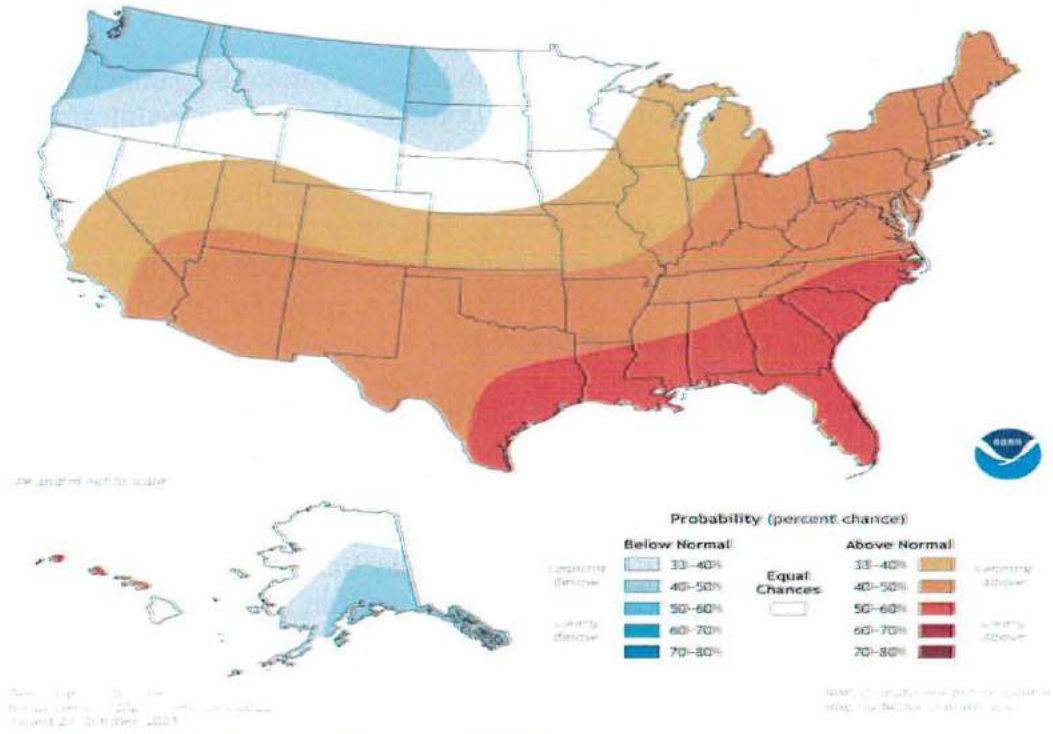
GENERAL MANAGER BOARD REPORT

Jarom Zimmerman

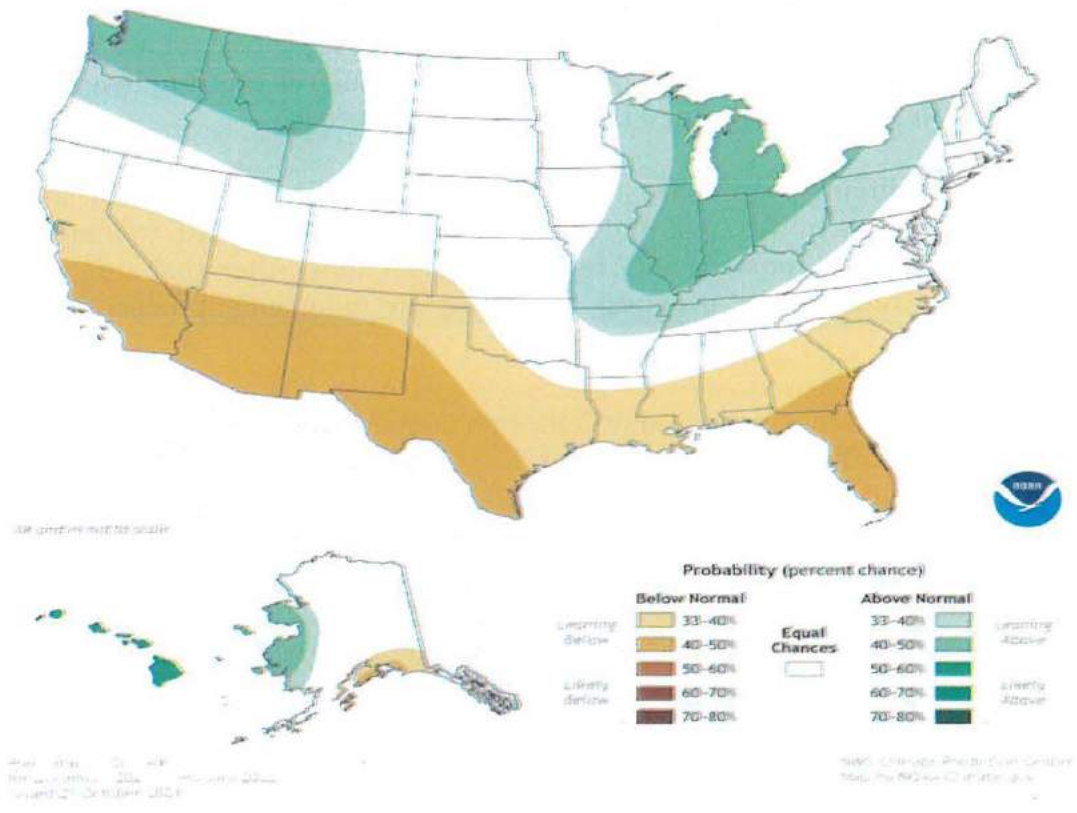
November 18, 2021

1. Gannett Fleming has finalized their Vulnerability Assessment for Tulloch Dam and the Security Assessments for Beardsley and Donnell's Dams. As a requirement of this report, they provided several recommendations on how to improve the physical security at all of our facilities. We questioned several of the recommendations and their effectiveness in improving security, and they removed almost half of the recommendations, resulting in 21 recommendations on security improvements. Of those 21 recommendations, most are small adjustments to equipment or procedures, with only a few requiring moderate upgrades.
2. We received an estimate from HDR on the frequency analysis of the Probable Maximum Flood (PMF) for \$93,803. This analysis would determine the likelihood, or interval, of the PMF occurring. If it ends up being an exceptionally long period of time between PMF events, our hope was that FERC would accept the low likelihood of the PMF occurring, and the associated risk of Beardsley Dam overtopping. This frequency analysis may not work in our favor, and might result in a flood interval that FERC is not willing to accept. Due to the cost and uncertainty of the outcome, I plan to submit our Inflow Design Flood (IDF) results to FERC without a frequency analysis, understanding that there will be facilities downriver that are inundated in a dam failure scenario. With the IDF results, I will submit a plan to notify the few affected facilities downstream, so that it would minimize the risk of loss of life. If FERC accepts our plan, then there would be no further action. If FERC does not accept it, then we will have to continue to pursue other alternatives, such as this frequency analysis, to incorporate in a Risk-Informed Decision Making approach.
3. We are beginning to prepare for the 2022 Part 12D inspection, by including a budgetary figure in the 2022 budget and having a call with FERC to understand the process and new requirements for these inspections. After that call, we plan to prepare a request for proposal to secure an independent consultant for the inspection.
4. I participated in the annual 3-day California Cooperative Snow Survey the first week of November. They have a weather forecaster discussing the current weather patterns and predictions for the 2021/2022 winter. His prediction was for 75% of average precipitation for this winter for the Northern Sierras. He explained that we will continue in La Nina conditions, but the sea surface conditions look nothing like the conditions last year at this time. He also said several times that one small change in any of the variables could completely change the precipitation outlook, and that this winter could go either way. For budgetary purposes, we plan to use his prediction of 75% of average precipitation for our revenue forecast.

NOAA 2022 Winter Forecast Predictions
Winter 2021: U.S. Temperature Outlook



Winter 2021: U.S. Precipitation Outlook



OPERATIONS AND MAINTENANCE MANAGER BOARD REPORT

Chris Tuggle

November 18, 2021

OPERATIONS:

Reservoir Data (A/F):

FACILITY	STORAGE	MONTH CHANGE
Donnells	48,325	4,124
Beardsley	72,337	9,529
Tulloch	58,005	(4,938)
New Melones	828,106	(14,467)

Outages:

Plant	Dates	Duration	Cause
--------------	--------------	-----------------	--------------

Operations Report:

New Melones Inflows:

Total inflows for water year 21/22: 30,397 A/F.

District Usage:

Total District usage for the water year 21/22: 15,908 A/F.

Precipitation:

Total precipitation for the month of October was 7.51 inches.

Other Activities:

1. PG&E Line outages.
2. Assisted maintenance on multiple projects.
3. Safely completed LOTO procedures for the BPH annual maintenance.
4. Scheduled vendors for multiple onsite inspections and repairs.
5. Assisted maintenance/contractor with the Beardsley Powerhouse Pressure Relief Valve inspection/temporary repair.

MAINTENANCE:

Donnell:

1. Equipment in service.

Beardsley:

1. Annual maintenance completed 10/28/21.

Sandbar:

1. Equipment in service.

Tulloch:

1. Equipment in service.

Misc:

1. Vehicle and equipment maintenance and repairs.
2. Performed maintenance on various plant systems as required.
3. Mainsaver CMMS Program is active and working.
4. Completed the Beardsley Power House Annual Maintenance.
 - a. PRV inspection/temporary repair completed by Tri-Dam and Stephens Mechanical. A major overhaul and repair of the PRV should be scheduled for annual maintenance 2022.
5. Completed the roofing repairs for Beardsley Gate House and Mt. Elizabeth.

Prepared by Rich Ennis

11/1/2021

Tri-Dam Project prints 4000 and 4003 for Pressure Regulator overview

Tri-Dam Project prints 4001 and 4012 for Auxiliary Control Valve and linkage

All item numbers are from print 4003 unless noted

The Beardsley Powerhouse PRV is a dashpot activated pressure relief valve designed to open in conjunction with rapid wicket gate closure. Once the valve reaches the desired opening based on the previous wicket gate position, it would reclose at speed based on the dashpot needle valve adjustment. In the 1990s, for reasons unknown to the current Tri-Dam personnel, the Double Acting Overtravel Link (12, print 4012) was removed, and an air-operated Class, A truck brake pod, was installed onto the Auxiliary Control Valve. Upon receiving an 86I protective relay signal, the solenoid would open the air supply to the truck brake pod, and the Pilot Valve Rod (10, print 4012) would be lifted. The result would be an immediate 100% opening of the PRV and a simultaneous closure of the BPH Turbine Shutoff Valve. As recently found, the PRV would only close to approximately 70% due to unknown reasons. The operator would then use a hydraulic-powered jack with a hand pump mounted externally on the valve to lift the Dashpot Cylinder (20) approximately 20% until the valve would once again close itself. With the valve not closing on its own, there was concern that it might not open in the future and could over-pressurize the penstock resulting in possible damage or complete failure. Management decided to perform exploratory work to inspect and make temporary repairs to get the valve to function.

The removal of the Cylinder Head Assembly (16) required unbolting the upper flange bolts, removing the wicket gate linkage connection, removal of various drain lines, and unthreading the Pilot Valve (30) from the Dashpot Cylinder (20). Note: pilot valve is a right-hand thread, and no set screw is present. Upon removal of the upper portion, there was significant damage found on multiple parts. The dashpot oil was removed and found dirty with sludge in it. The Dashpot Piston (21) had signs of scoring, and the piston rings seized to the piston, and the dashpot cylinder bore was in acceptable condition. The large brass bushing attached to dashpot cylinder rides was dirty and had some signs of wear but was deemed acceptable for use. The lower portion of the shaft on the Dashpot Cylinder (20) was heavily pitted and had gouges approximately 1" wide, 8-10" long, and up to ¼" deep. This lower section of the shaft on the dashpot cylinder needs a good seal against the packing to allow penstock water pressure to raise the Dashpot Cylinder (20) and close the Pilot Valve (30) for the 42" Piston (12) to close the Valve Disc (14).

The Auxiliary Control Valve was removed, cleaned, and inspected. The Pilot Valve Rod (10, print 4012) was then lapped to the Renewable Seat (8, print 4012) to ensure minimal leakage. We then reassembled the Auxiliary Control Valve with new gaskets installed to the upper body. The water fittings on the auxiliary control valve (48 and 50, print 4012) were modified, drilled, and tapped for ¼" NPT pressure gauges that assist with testing and troubleshooting.

Upon inspection of the Dashpot Cylinder 10-1/2" upper stuffing box (22) chevron packing, we found the chevron packing to be in acceptable condition; we then cleaned, inspected, and re-installed the chevron packing. We also replaced the rubber 3/16" (.210" actual) O-ring (63) on the bottom of the stuffing box with an Oil-Resistant Soft Buna-N O-Ring. The chevron packing for the position indicator rod (46) was inspected and found acceptable. The chevron packing (56) for the lower portion of the Dashpot Cylinder was destroyed and came out in small segments. We also replaced the rubber 3/16" (.210" actual) O-ring (62) for the Cylinder Head Assembly (16) with the same Oil-Resistant Soft Buna-N O-Ring.

We thoroughly cleaned the Dashpot Cylinder with special attention given to the gouged areas of the lower shaft. We then machined the edges of the gouges by hand using a carbide grinding tool on a high-speed pneumatic die grinder,

which provided a rough surface for the Belzona to adhere to, reducing the chance of peeling at the repairs' edges. The gouges were heated with a torch to remove excess moisture, and we applied the Belzona 1111 epoxy to the gouged areas. This allows us to machine the shaft without interrupting the cuts, which reduces the chances of peeling the repairs during the machining process. After the Belzona cured, the dashpot cylinder was machined in the lathe at Beardsley Service Center to return the overall diameter to a consistent 8".

During the cleaning and inspection of the 42" cylinder (11), it appears the welded seam was capped with a non-stainless electrode, which caused a small vertical belt of rust. We carefully removed the surface rust until it no longer protruded into the cylinder bore. The cylinder and the top of the piston were then hand cleaned with 3M Scotch-Brite pads, and the piston (12) inspected, which revealed the piston rings (67) on the valve disc (28) seized unto the piston. The piston rings were removed, cleaned, and then returned to service. While using a borescope camera to inspect the lower section of the 42" piston, we discovered excessive debris in the lower cavity below the piston. We then removed the two 1-1/2" drain plugs (95) from the 48" discharge elbow (9), which allowed us to flush the lower cavity below the piston with water. There is limited access below the piston, so we were unable to remove all of the debris. Replacing the two drain plugs with two 1 1/2" ball valves will help improve flushing the debris from the lower section cavity below the piston. We fitted one of the newly installed ball valves with a T-fitting to install a pressure gauge, which will help with testing and troubleshooting the piston pressure.

Before the reassembly, we cleaned all linkages, packing boxes, and parts. We also had to machine new linkages due to excessive galling and ware on the existing parts. Due to time constraints and the availability of the chevron packing, the Dashpot Cylinder was packed with two rows of Food Industry Chemical-Resistant 5/8" x 5/8" packing seal. To facilitate the packing installation, a custom one-piece male adapter was machined from Ultra High Molecular Weight Polymer and fitted to the packing. This was installed between the packing seal and packing follower. All applicable parts were lightly greased with Chevron Ultra-Duty Grease EP (NLGI2). The dashpot oil was not replaced. It was circulated through a 25-micron filter for approximately 30 minutes on a pump cart and returned to service, and no adjustments were made to the dashpot needle; it remained locked in place.

Upon installation of the upper body, the auxiliary water supply was returned to service to make packing adjustments for minimal leakage. During that process, it was discovered the as-found plumbing was incorrect according to prints. The 6" penstock supply line was tied to the unregulated raw water supply. There were opposing check valves to not allow penstock and raw water to transfer. The raw water was valved out, and the check valve on the auxiliary supply from the penstock was removed. When the PRV is activated through the dashpot, the system is designed to push the excess water below the dashpot cylinder backward through the Auxiliary Control Valve. The dual check valves, as found, required the water to be pushed around the dashpot cylinder shaft through the old damaged packing, thus increasing wear in that location. It is recommended that the current operating procedure should be to leave the raw water supply isolated and allow only the 6" penstock supply to operate the valve as intended by the manufacturer. The increased water pressure from the raw water supply could accelerate wear on the repaired area of the dashpot cylinder and could cause packing failure.

Once the PRV was completely assembled, the 6" penstock supply line was returned to service. The PRV closed as expected. Air was bled from 1/4" air release on the cavity below the dashpot cylinder assembly via the ball valve. The double-acting overtravel cylinder was installed according to prints, and the new linkage pin was installed in Pin Hole A (Synchronous Bypass Governor Operated). The handwheel was turned counter-clockwise to provide approximately 1/4" of pre-loaded spring pressure onto the pilot valve rod. Turning the handwheel clockwise will raise the double-acting overtravel link and subsequently the pilot valve rod. For the testing procedure and results, please see the attached documents.

As found Dashpot Piston (21).



As found inside bore of dashpot cylinder assembly (20).



As found lower portion of dashpot cylinder assembly.



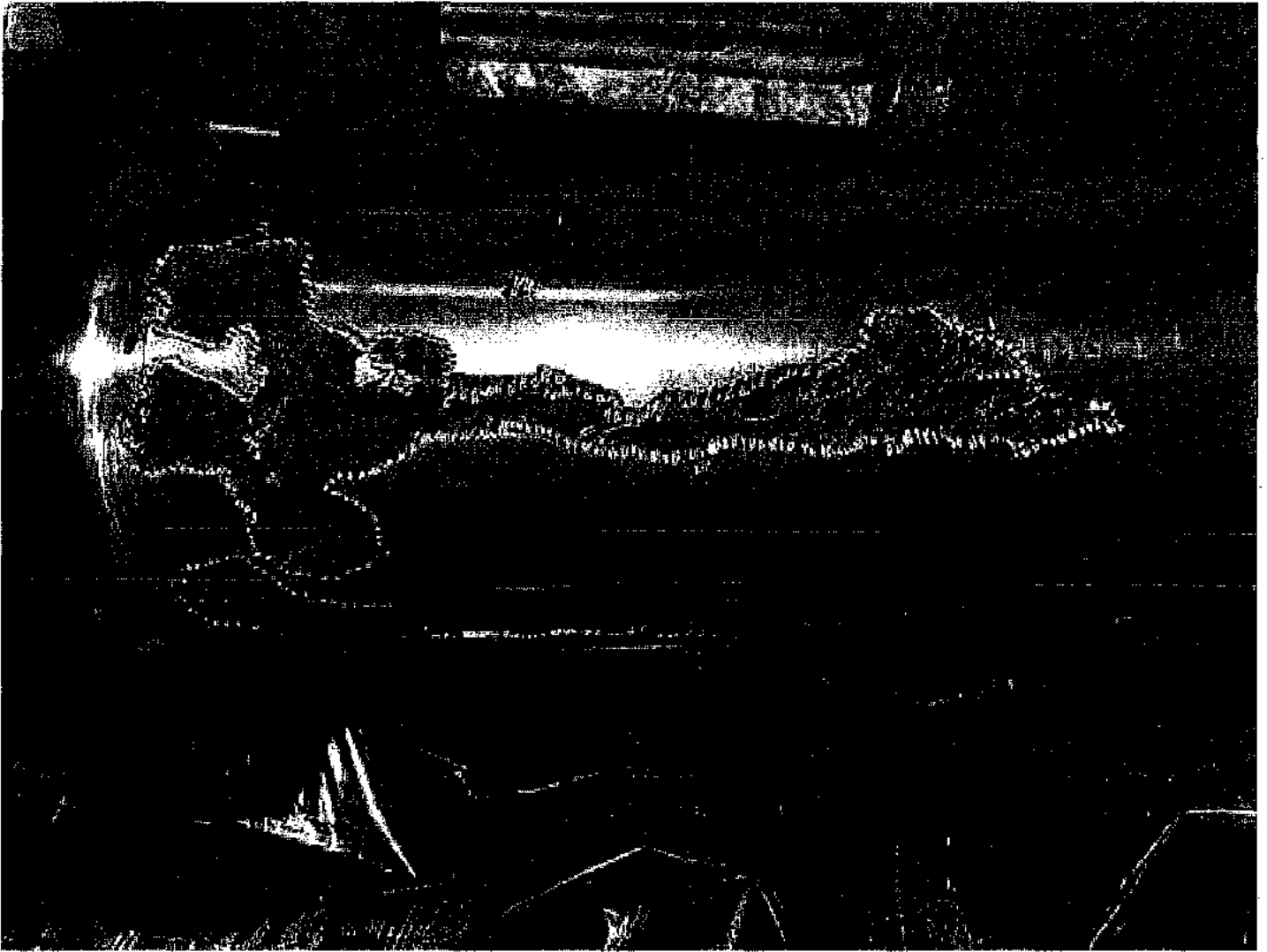
As found Dashpot Cylinder Chevron Packing (56)



As found Dashpot Piston Rings.



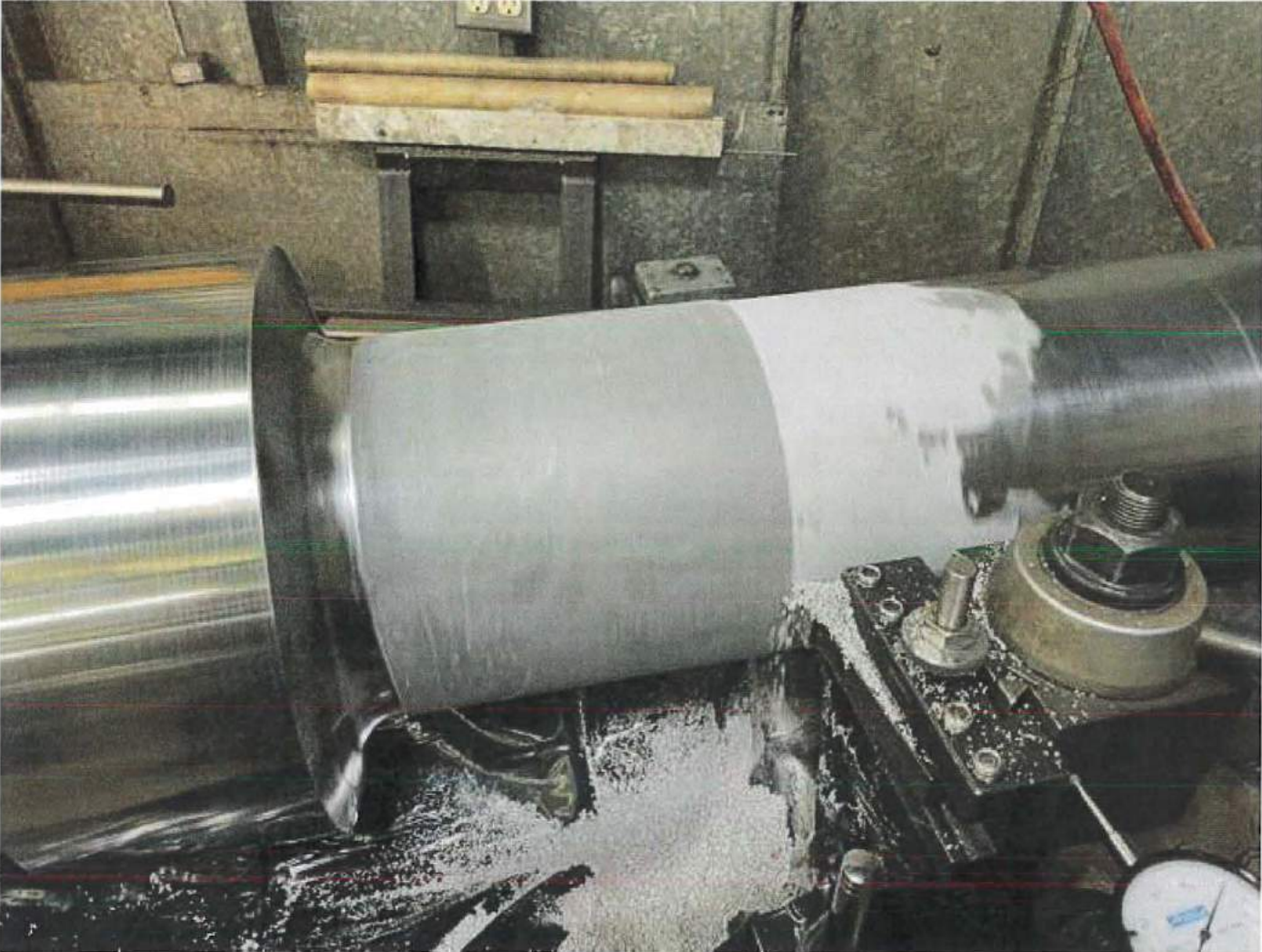
Lower portion of Dashpot Cylinder assembly after cleaning and grinding of edges for Belzona retention.



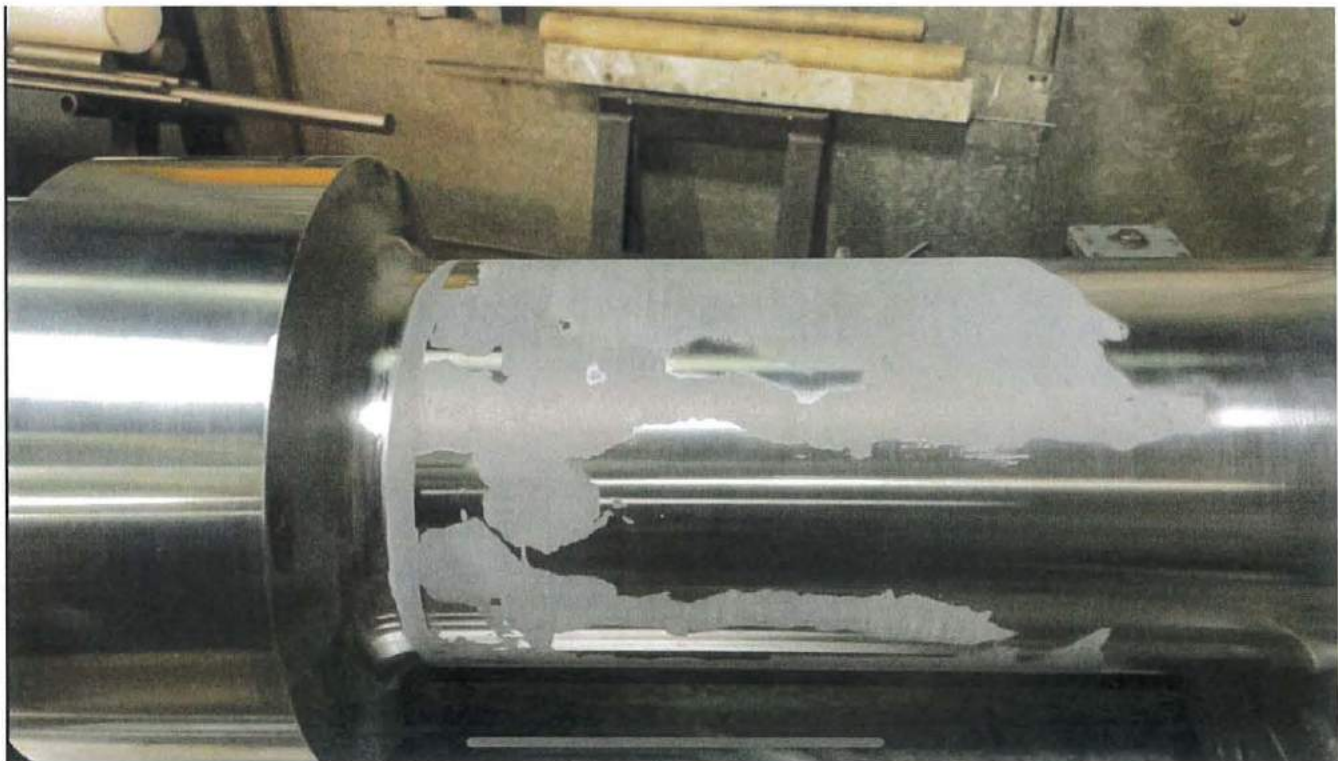
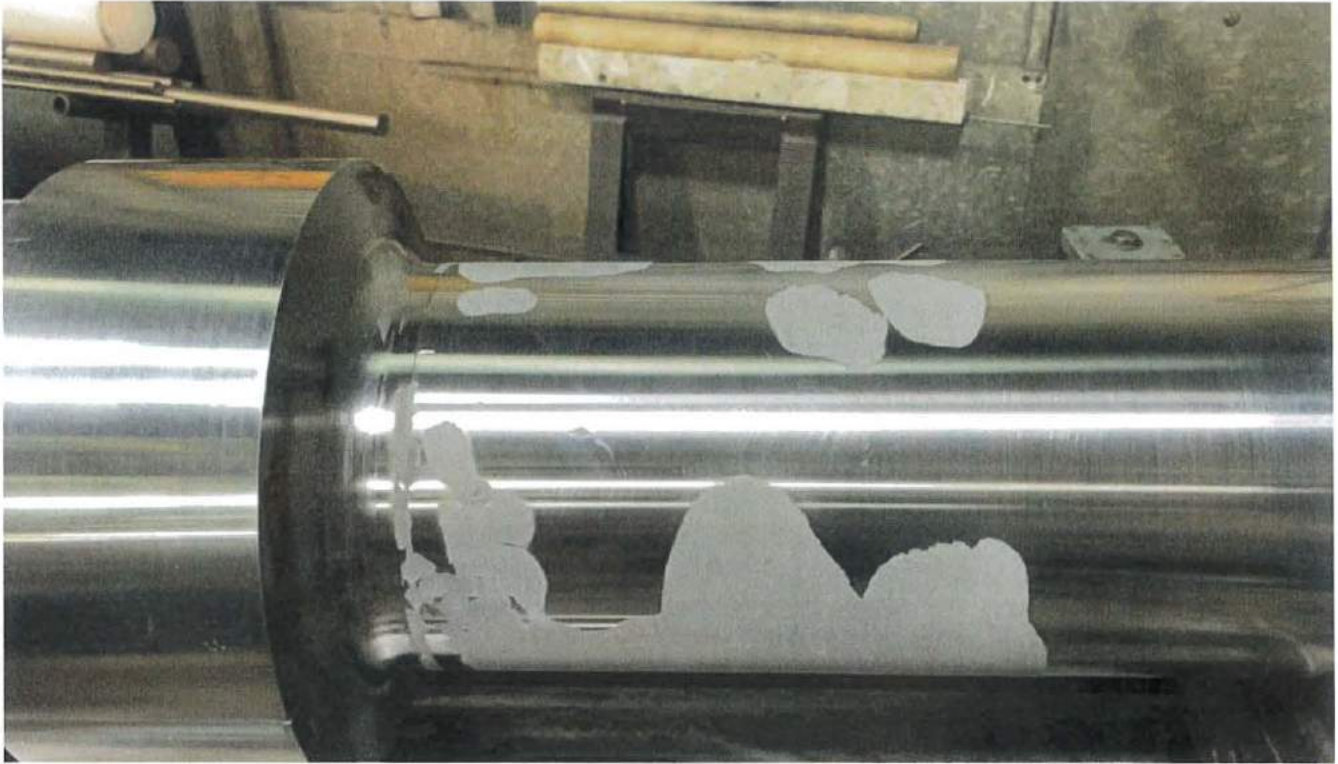
Application of Belzona 1111 onto Dashpot Cylinder assembly.



Machining of Dashpot Cylinder Assembly.



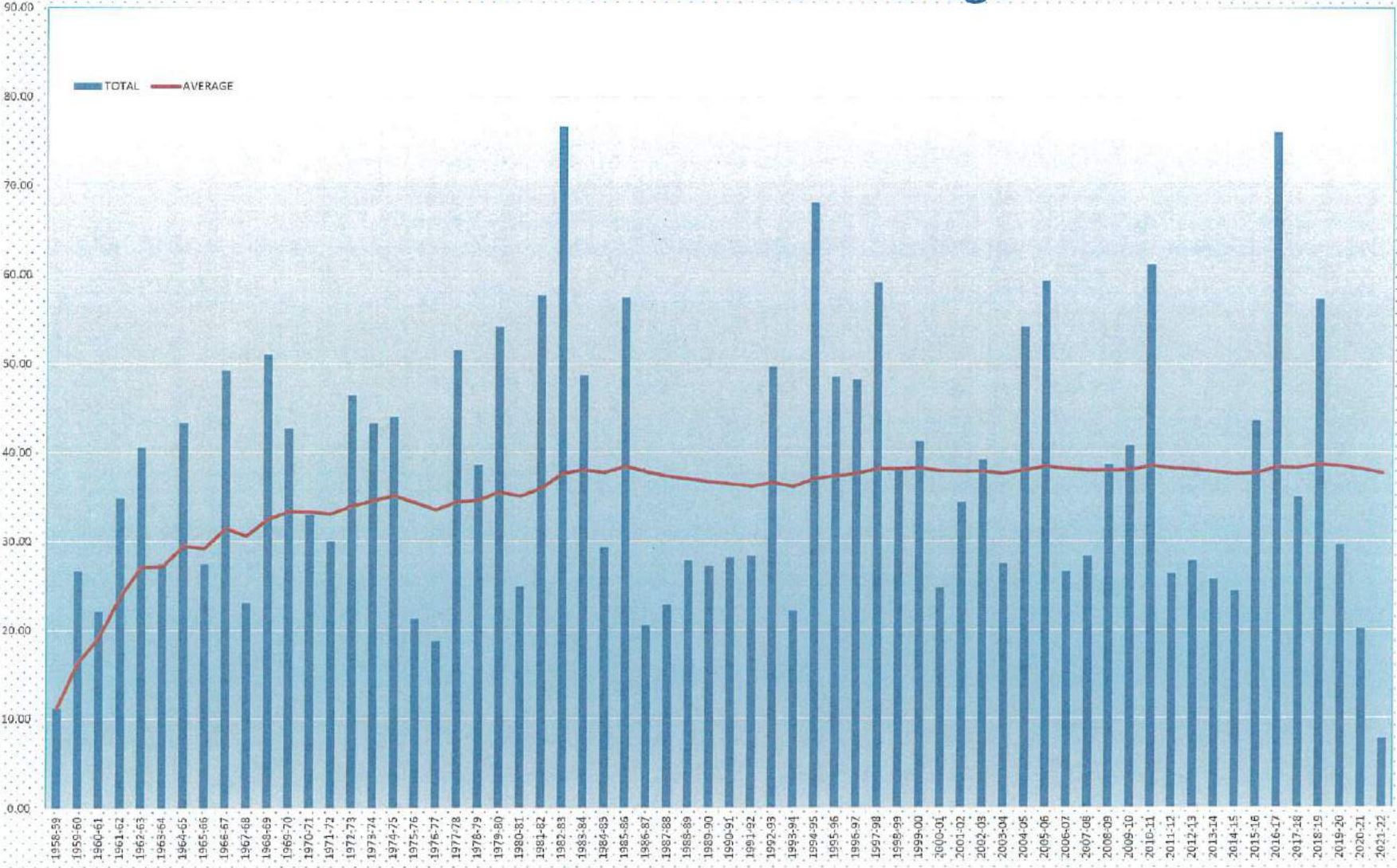
Finished Dashpot Cylinder Assembly.



View of debris in cavity below 42" piston (12).



Historical Rain VS Average



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	0.10	7.51									7.70 Current Year
Average	0.15	0.21	0.71	2.26	4.78	5.95	6.60	6.26	5.81	3.42	1.92	0.63	37.72
2021-22 +/-	(0.06)	(0.21)	(0.61)	5.25	(4.78)	(5.95)	(6.60)	(6.26)	(5.81)	(3.42)	(1.92)	(0.63)	(30.02)

ANNUAL AVERAGE

37.72

INCHES +/- ANNUAL AVERAGE

(30.02)

Updated as of 1-Nov-21

PERCENT OF ANNUAL AVERAGE

20%

REGULATORY AFFAIRS BOARD REPORT

Susan Larson

November 18, 2021

FERC Compliance

- **Emergency Action Plan (EAP).** Following last month's update to the Board, the document has been updated again following teleconference with CalOES staff. The updated document in track changes mode, has been resubmitted to CalOES for review. The document and inundation maps have already been approved by California Division of Safety of Dams (DSOD) and the Federal Energy Regulatory Commission (FERC).
- **Cultural Resources Monitoring.** The Beardsley/Donnells and Tulloch FERC licenses require annual monitoring of cultural resource sites, consistent with the approved Historic Properties Management Plans (HPMPs). In 2020, the Board approved a contract with PAR Environmental to perform cultural resources monitoring of all projects for a period of three (3) years. As is often the case, that work occurs in the fall and is currently underway. Beardsley/Donnells sites have been inspected and Tulloch will be done shortly.

Permit and Other Assignments

- **Work on permits, site reviews and compliance questions for various properties at Tulloch.** Respond to daily inquiries from the public. Permits, inspections and file documentation, including uploads to the server.
- **Tulloch compliance matters, as required, using the data compiled during the shoreline audit.**
- **Working on pending litigation matters, as required.**

GENERATION REPORT



Tri-Dam Project Generation & Revenue Report 2021

	Average Generation (1958-2018)	2021 Net Generation (kWh)	Avoided Generation (kWh)	2021 Energy Revenue
JAN	17,389,989	11,052,034	-	\$884,163
FEB	17,229,808	15,224,781	-	\$1,217,982
MAR	23,070,859	8,146,307	-	\$651,705
APR	31,686,865	19,684,384	-	\$1,574,751
MAY	41,216,149	6,968,984	-	\$557,519
JUN	42,555,036	5,330,181	-	\$426,414
JUL	36,444,466	8,965,044	-	\$717,204
AUG	27,568,740	6,440,758	-	\$515,261
SEP	20,111,167	8,376,022	-	\$670,082
OCT	12,743,535	12,718,989	-	\$1,017,519
NOV	12,042,987	-	-	\$0
DEC	14,354,891	-	-	\$0
Total	296,414,092	102,907,484	-	\$8,232,599

	Average Generation (1958-2018)	2021 Net Generation (kWh)	2021 Energy Revenue
JAN	3,160,048	1,454,471	\$116,358
FEB	2,927,753	1,356,506	\$108,520
MAR	3,584,274	1,743,745	\$139,500
APR	4,717,484	2,156,914	\$172,553
MAY	5,799,593	1,875,573	\$150,048
JUN	6,336,073	1,130,982	\$90,479
JUL	6,629,514	1,002,776	\$80,222
AUG	6,269,748	624,157	\$49,933
SEP	5,223,523	527,094	\$42,168
OCT	3,752,220	547,676	\$43,814
NOV	2,794,775	-	\$0
DEC	3,713,920	-	\$0
Total	54,898,907	12,419,892	\$993,591

	Average Generation (1958-2018)	2021 Net Generation (kWh)	2021 Energy Revenue
JAN	4,271,885	1,575,855	\$126,068
FEB	5,024,913	2,306,786	\$184,543
MAR	7,580,691	6,898,744	\$559,900
APR	10,811,027	14,149,862	\$1,131,988
MAY	12,131,040	15,103,809	\$1,208,305
JUN	12,064,818	16,800,913	\$1,344,073
JUL	12,609,174	18,473,357	\$1,477,869
AUG	11,868,293	15,777,238	\$1,262,179
SEP	8,577,620	9,810,853	\$784,868
OCT	4,664,124	5,877,029	\$470,162
NOV	2,487,256	-	\$0
DEC	3,288,702	-	\$0
Total	95,399,542	106,874,437	\$8,549,955

	Average Generation (1958-2018)	2021 Net Generation (kWh)	2021 Energy Revenue
JAN	24,811,922	14,082,360	\$1,126,589
FEB	25,182,274	18,888,073	\$1,511,046
MAR	34,235,623	16,888,796	\$1,351,104
APR	47,215,356	35,991,151	\$2,879,292
MAY	59,148,782	23,948,366	\$1,915,869
JUN	60,975,928	23,262,075	\$1,860,966
JUL	55,683,154	28,441,177	\$2,275,294
AUG	45,706,781	22,842,153	\$1,827,372
SEP	33,912,310	18,713,968	\$1,497,117
OCT	21,159,879	19,143,693	\$1,531,495
NOV	17,325,019	-	\$0
DEC	21,357,513	-	\$0
Total	446,712,540	222,201,813	\$17,776,145

Note: Price per MWh is \$80.00

Tri-Dam Power Authority - Sand Bar

	Average Generation (1958-2018)	2021 Net Generation (kWh)	2021 Energy Revenue	PG&E Coordination Payment	Total Revenue
JAN	4,663,654	1,740,974	\$139,278	\$0	\$139,278
FEB	3,946,606	899,860	\$71,989	\$0	\$71,989
MAR	5,290,014	1,365,702	\$109,256	\$0	\$109,256
APR	6,873,822	2,249,798	\$179,984	\$0	\$179,984
MAY	8,065,189	2,904,073	\$232,326	\$0	\$232,326
JUN	8,750,023	1,274,345	\$101,948	\$0	\$101,948
JUL	9,133,101	721,206	\$57,696	\$0	\$57,696
AUG	8,560,581	-	\$0	\$0	\$0
SEP	6,928,285	-	\$0	\$0	\$0
OCT	4,898,944	728,026	\$58,242	\$0	\$58,242
NOV	2,947,604	-	\$0	\$0	\$0
DEC	5,554,123	-	\$0	\$0	\$0
Total	75,611,948	11,883,985	\$950,719	\$0	\$950,719

WESTERN PRICE SURVEY

[7] Energy Demand Drops, Prices Follow

Cooler weather and reduced demand suppressed energy prices across the West this week.

Natural gas prices trended lower in the West than in any other region, according to the U.S. Energy Information Administration. In the EIA's Wednesday-to-Wednesday report week, PG&E CityGate natural gas values lost \$1.17, hitting a weekly low of \$6.26/MMBtu on Nov. 3. The agency said the price in Pacific Gas & Electric territory "fell by more than prices at hubs from which natural gas is sourced for delivery to PG&E." Prices at Sumas, Opal and Malin also retreated, but by roughly 60 to 80 cents.

Natural gas consumption in California fell about 150 MMcf per day during the EIA reporting period, Oct. 27 to Nov. 3—mostly from reduced residential and commercial demand of about 140 MMcf/d.

Continued transmission issues are impeding natural gas movement from the Permian Basin into Southern California. El Paso Natural Gas' Line 2000 is still shut in, and other infrastructure problems, including compressor station issues, are also contributing factors.

"The cumulative effect of these interruptions to flow on EPNG across the Desert Southwest has been an almost 500 MMcf/d impairment to the pipeline's deliverability to the SoCalGas service territory at the Ehrenberg, California, receipt point," the EIA said in its weekly report.

However, Alberta natural gas saw the sharpest drop in Oct. 28 to Nov. 4 trading, falling 83 cents to \$5.09/MMBtu. Henry Hub natural gas values ticked up 8 cents in trading to end at \$5.70/MMBtu.

Western daytime power prices lost between \$4.10 and \$20.60 by the end of trading. Mid-Columbia peak power dropped the most value, down \$20.60 to \$40.75/MWh. Off-peak power prices followed suit, with Palo Verde nighttime power down \$7.95 in trading to \$53.05/MWh.

California Independent System Operator demand reached 28,509 MW Oct. 29, which should be the week's high. Northwest Power Pool demand reached 64,523 MW Nov. 1, which should be the week's high use. CAISO renewables reached 15,251 MW Nov. 4, meeting roughly 55 percent of demand.

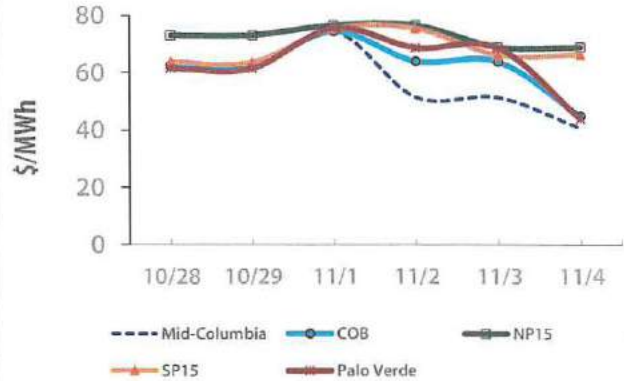
In October, the average high peak price at Henry Hub was \$6.23/MMBtu, \$3.16 more than in 2020 (see "Price Trends," next page).

Likewise, other key Western natural gas hub prices jumped a few dollars in October year over year. SoCal Border gas added the most, up \$3.54 to \$7.46/MMBtu.

Average Western peak power prices for October varied compared with the year prior. Mid-C added the most year over year, up \$30.40 to \$82.05/MWh. Palo Verde daytime power lost the most value, down \$43.75 to \$61.50/MWh. High temperatures sent the hub above the \$100 mark on Oct. 1, 2020. Later in the month, temperatures plus generation and distribution outages pushed North and South of Path 15 to roughly \$112/MWh each. They fell by \$30.55 and \$39.80, respectively, this October compared with the year prior. —*Linda Dailey Paulson*

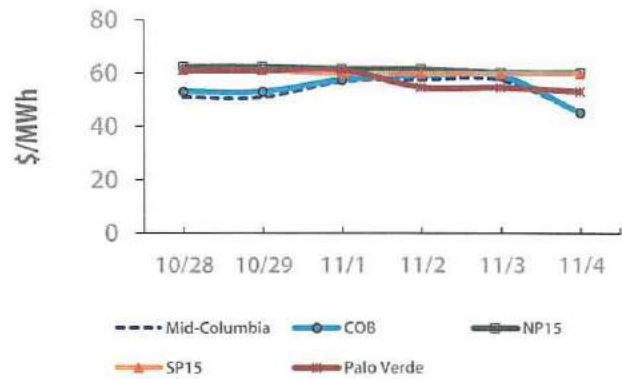
Average Peak Power Prices

Thurs., 10/28 - Thurs., 11/04



Average Off-Peak Prices

Thurs., 10/28 - Thurs., 11/04



Average Natural Gas Prices (\$/MMBtu)

	Th. 10/28	Tues. 11/02	Th. 11/04
Henry Hub	5.62	5.36	5.70
Sumas	5.66	5.17	5.31
Alberta	5.92	5.35	5.09
Malin	5.61	5.25	5.46
Opal/Kern	5.73	5.22	5.36
Stanfield	5.65	5.20	5.37
PG&E CityGate	6.32	6.80	6.00
SoCal Border	6.06	5.55	5.39
SoCal CityGate	6.32	5.93	5.79
EP-Permian	5.25	5.08	5.15
EP-San Juan	5.77	5.13	5.16

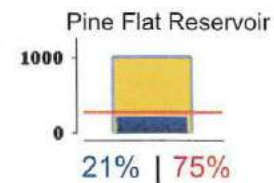
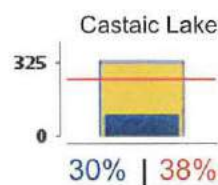
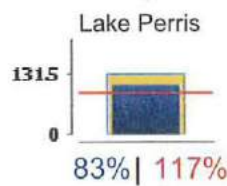
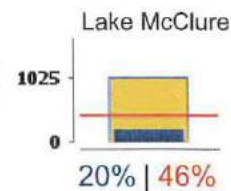
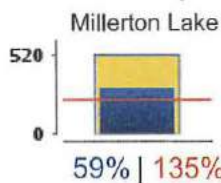
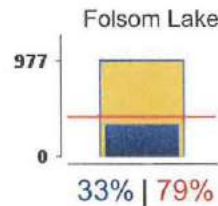
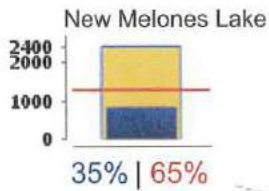
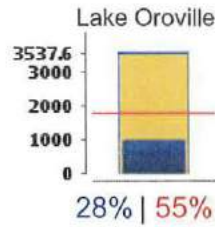
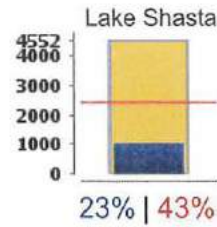
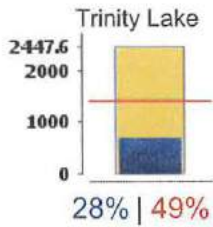
Power/gas prices courtesy Enerfax



CURRENT RESERVOIR CONDITIONS

SELECTED WATER SUPPLY RESERVOIRS

Midnight: November 7, 2021



FISHBIO



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

November 8, 2021

Tri Dam Project
Jarom Zimmerman
P.O. Box 1158
Pinecrest, CA 95364

Re: October 2021 Invoices

Dear Mr. Zimmerman:

Enclosed are invoices for consulting services provided by FISHBIO during October. Services provided for each project are summarized below.

Lifecycle monitoring

Lifecycle monitoring activities during October focused on completion of a memorandum presenting findings of the summer *O. mykiss* census.

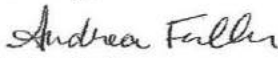
Non-Native Investigation/ Predator Study and Publications

Effort during September continued to focus on analysis of data generated by the study over the past three years for development of the comprehensive synthesis report. Chapters of the predator study synthesis report will become manuscripts submitted to peer-reviewed journals. An update regarding the predator study, expiration of the WIIN Act, and recent meeting of the technical team was provided in a separate memorandum.

Budget Summary

2021	<i>Life-cycle Monitoring</i>	<i>Publications</i>	<i>Consulting</i>	<i>Non-natives</i>	TOTAL
<i>Jan</i>	\$ 31,458.12	\$ -	\$ -	\$ 30,217.58	\$ 61,675.70
<i>Feb</i>	\$ 27,555.99	\$ 655.00	\$ 4,760.00	\$ 77,095.42	\$ 110,066.41
<i>Mar</i>	\$ 14,998.08	\$ 957.50	\$ -	\$ 69,170.73	\$ 85,126.31
<i>Apr</i>	\$ 31,365.02	\$ 11,330.00	\$ -	\$ 105,646.21	\$ 148,341.23
<i>May</i>	\$ 17,827.36	\$ 13,132.50	\$ 150.00	\$ 65,569.83	\$ 96,679.69
<i>Jun</i>	\$ 9,818.60	\$ 16,750.00	\$ -	\$ 34,134.03	\$ 60,702.63
<i>Jul</i>	\$ 8,059.88	\$ 1,277.50	\$ 17,042.50	\$ 57,439.78	\$ 83,819.66
<i>Aug</i>	\$ 39,154.80	\$ 16,982.50	\$ 1,240.00	\$ 34,372.08	\$ 91,749.38
<i>Sep</i>	\$ 16,242.28	\$ 17,030.00	\$ 140.00	\$ 21,417.50	\$ 54,829.78
<i>Oct</i>	\$ 2,385.00	\$ 18,025.00	\$ -	\$ 4,910.00	\$ 25,320.00
TOTAL	\$198,865.13	\$ 96,140.00	\$ 23,332.50	\$ 499,973.16	\$ 818,310.79
<i>Estimated 2021</i>	\$200,000.00	\$100,000.00	\$ 25,000.00	\$ 500,000.00	\$ 825,000.00
<i>Remaining</i>	\$ 1,134.87	\$ 3,860.00	\$ 1,667.50	\$ 26.84	\$ 6,689.21

Sincerely,


Andrea Fuller

SJB October Field Report

Fall-run Adult Migration Monitoring

A total of 3,261 Chinook salmon were observed in the Stanislaus River during October, increasing the season total to 3,319 (Figure 1). Passage to date at the Stanislaus weir is the highest it has been in the last five years but still almost 35% fewer than the number passing through the weir by the end of October 2016. A modern-day record number of Chinook salmon (14,399) passed the weir in 2016, the most since sampling began in 2003. A total of 100 Chinook salmon were observed in the Tuolumne River, increasing the season total to 101 (Figure 2). Passage to date at the Tuolumne weir is a third of the number observed in 2020, and on track to be the lowest count since 2015.

To date, 22% and 16% of all Chinook salmon passing through the Stanislaus and Tuolumne weirs, respectively, had a clipped adipose fin indicating hatchery origin. As approximately 25% of hatchery production is adipose fin clipped, this suggests that many of the fish migrating into the Stanislaus and Tuolumne rivers are of hatchery origin. During September and early October observations of early spawning were reported. Heads were recovered from spawned out carcasses in both rivers and checked for coded-wire tags (CWTs). Reading of the tags was expedited and results indicated the early fish were all released as juveniles through the San Joaquin River Restoration Program (SJRRP) in the upper San Joaquin River (Steve Tsao of CDFW, personal communication). SJRRP hatchery produced juveniles are 100% adipose fin clipped, which means none of the fish that had their adipose fin intact that passed either weir in September were from the SJRRP.

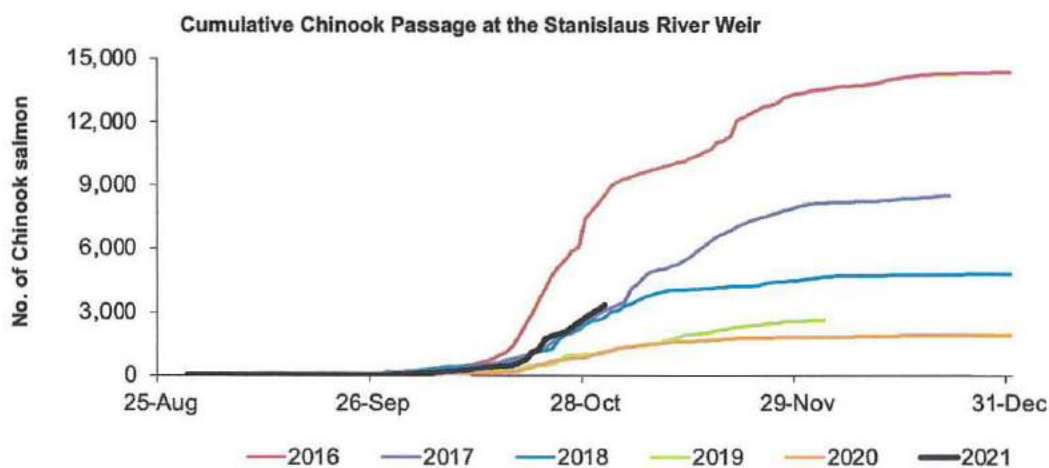


Figure 1. Cumulative Chinook salmon passage at the Stanislaus River weir, 2016-2021.

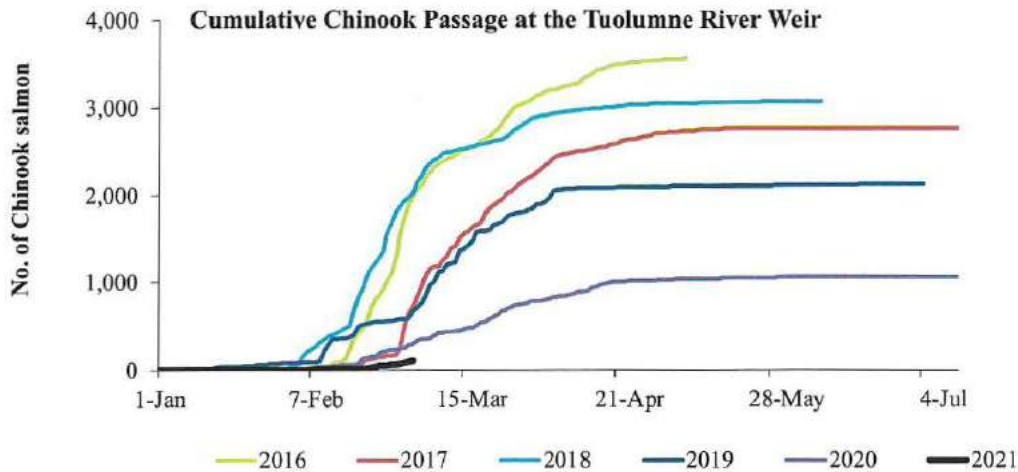


Figure 2. Cumulative Chinook salmon passage at the Tuolumne River weir, 2016-2021.

The 2021 fall attraction flows began on October 16 on the Stanislaus River and were shaped to simulate natural run-off events. The attraction flows occurred October 16 to November 4 (Figure 3) with peaks ranging from approximately 750 cfs to 1,250 cfs. Passage peaked at 531 Chinook following the second of the three pulses on the Stanislaus River. A smaller peak (n=321) occurred five days after the first pulse (October 20) suggesting the fish were not yet in the Stanislaus River. However, the larger peak was observed immediately after the second pulse began hitting the lower river suggesting those fish had already made their way into the Stanislaus River and the increase in flow triggered them to move further upstream.

Tuolumne River flows increased by approximately 50 cfs to 175 cfs in mid-October. There was no pulse flow on the Tuolumne River in fall 2021 due to the critically dry year, however, small peaks in passage were observed following increases of flow at Modesto due to rain events (Figure 4).

Escapement to the Mokelumne River through October 31 is three times more than the number of the passages observed in 2020 during the same period but still one-third of the number observed in 2019 and one-quarter the number observed in 2017 and 2018 (Figure 5). A series of three small pulses (approximately 600-700 cfs) occurred on the Mokelumne River during October/early-November. The largest response (n=595) occurred during the second peak (October 18-21). A second peak (n=395) occurred a few days later following a significant rain event.

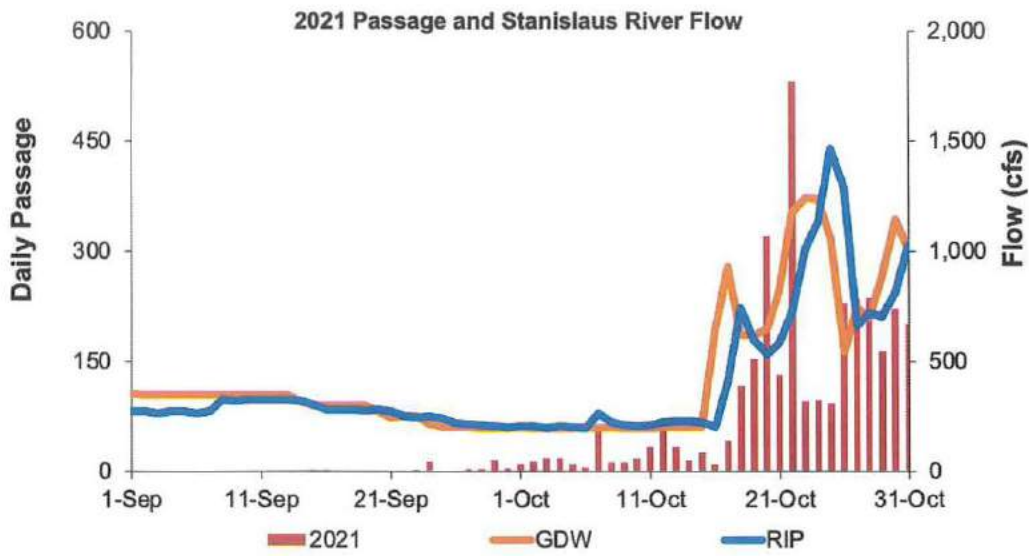


Figure 3. Daily Chinook salmon passage at the Stanislaus River weir and river flow at Goodwin (GDW) and Ripon (RIP).

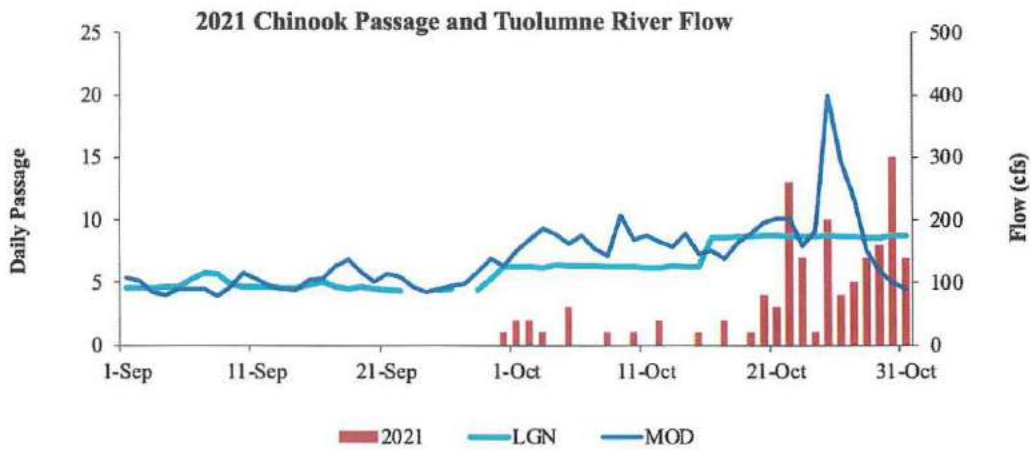


Figure 4. Daily Chinook salmon passage at the Tuolumne River weir and river flow at La Grange (LGN) and Modesto (MOD).

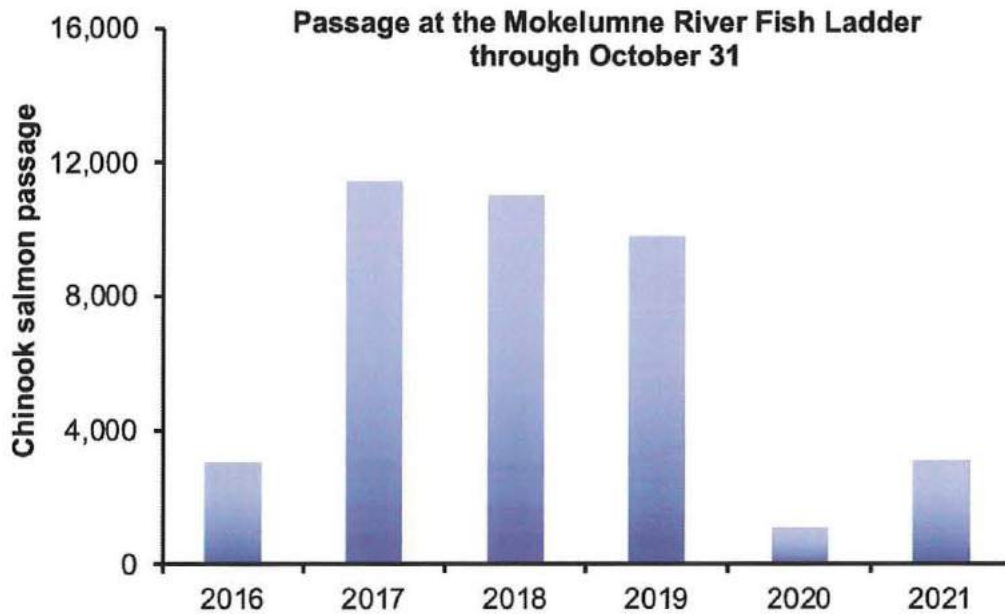


Figure 5. Chinook salmon passage through October 31 at the Mokelumne River fish ladder, 2016-2021.

Juvenile Outmigration Monitoring

Calaveras River rotary screw trap (RST) monitoring at Shelton Rd. began on November 1. The trap will sample during the week and will be raised on the weekends from now through early to mid-summer. Last season, 1,982 *O. mykiss* (652 young-of-the-year [YOY], 1,315 Age 1+, and 15 adult) were captured in the Calaveras RST, which was similar to the number captured the previous year, but the composition of size classes was drastically different. In 2020, two times the number of YOY were captured (n=1,361) but only one-quarter the number of Age 1+ were captured (n=350). The strong Age 1+ class in 2021 suggests high survival of the 2020 juveniles. Additionally, only two juvenile Chinook salmon were captured in 2021, both were larger sized and captured in November. It was unlikely that any adult Chinook spawned in 2019-20.

Stanislaus River Summer Snorkel Survey

Calaveras snorkel surveys were conducted August 9-16 and September 15-16, from New Hogan Dam to Old Dog Ranch Road. The estimated abundance of Calaveras River *O. mykiss* in 2021 was 16,260 fish (Standard Error: 8,557), slightly lower than the abundance estimate of 13,551 during the previous summer but above average for the 2011-2021 period (Figure 6).

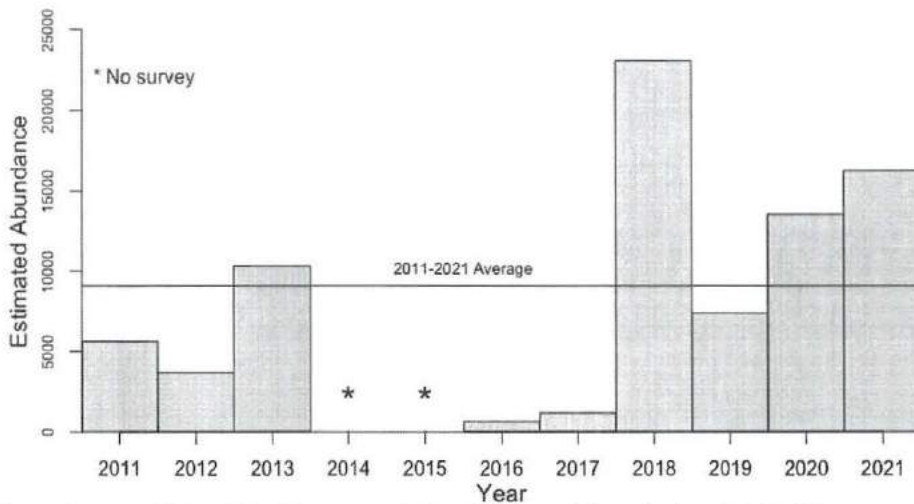


Figure 6. Annual *O. mykiss* abundance in the Calaveras River during 2011-2021.

Native Fish Plan

The PIT tag antenna was installed at the Stanislaus River weir to collect additional data on movement of NFP tagged fish. Power issues/outages at the weir have prevented detection of passages for both directions. Currently, only upstream passages are being detected. Further, there was an extended outage from 10/21 through 10/30 for unknown reasons.

A total of seven individual fish (4 hardhead, 2 smallmouth bass, 1 striped bass) were detected at the Stanislaus River weir between October 1-20. The striped bass was detected on two consecutive days in October. Six out of the seven fish were originally captured and tagged in 2020 or earlier. Four of the individuals were initially captured and tagged within half a mile of the weir while the other three migrated approximately 2-7 miles from the initial location of capture (Table 1).

Table 1. Detection of PIT tagged predator species at the Stanislaus River weir.

Species	FishCode	Tagging Date	Tagging Location (RM)	Detection Date
Hardhead	NFP-2019-1353	6/19/19	31.5	10/8/21
Hardhead	NFP-2019-261	4/1/19	31.9	10/9/21
Hardhead	NFP-2019-700	6/3/19	37.1	10/19/21
Hardhead	NFP-2020-355	2/5/20	30.9	10/20/21
Striped bass	NFP-2020-736	5/21/20	30.9	10/13/21, 10/14/21
Smallmouth bass	NFP-2021-389	3/1/21	24.8	10/7/21
Smallmouth bass	NFP-2018-123	6/7/18	33.7	10/19/21

CLOSED SESSION

Notes:

TRI-DAM

POWER

AUTHORITY

REGULAR BOARD MEETING
AGENDA
TRI-DAM POWER AUTHORITY
of THE OAKDALE IRRIGATION DISTRICT and
THE SOUTH SAN JOAQUIN IRRIGATION DISTRICT
NOVEMBER 18, 2021

Start time is immediately following the Tri-Dam Project meeting
which begins at 9:00 AM

South San Joaquin Irrigation District
11011 Highway 120
Manteca, CA 95336

*** SEE BELOW FOR INSTRUCTIONS REGARDING PUBLIC
COMMENT AND PARTICIPATION**

NOTICE: Coronavirus (COVID-19)

A COMPLETE COPY OF THE AGENDA PACKET WILL BE AVAILABLE ON THE OAKDALE IRRIGATION DISTRICT WEB SITE (www.oakdaleirrigation.com) ON MONDAY, NOVEMBER 15, 2021 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 OAKDALE IRRIGATION DISTRICT WEB SITE (www.oakdaleirrigation.com).

**INFORMATION FOR SPECIAL MEETING DURING SHELTER IN PLACE ORDER
(Effective 3/27/2020 – until further notice):**

Pursuant to California Governor Gavin Newsom's Executive Order N-29-20, a local legislative body is authorized to hold public meetings via teleconferencing and to make public meetings accessible telephonically or otherwise electronically to all members of the public who wish to participate and to provide public comment to the local legislative body during the current health emergency. The Tri-Dam Project and Tri-Dam Power Authority Board of Directors (Tri-Dam Directors) will adhere to and implement the provisions of the Governor's Executive Order related to the Brown Act and the utilization of technology to facilitate participation.

*The location of the Tri-Dam meeting will be at the office of the South San Joaquin Irrigation District, 11011 Highway 120, Manteca. Be advised these facilities are currently closed to public access due to implemented protection measures for the COVID-19 virus. **The public will not be granted access to these facilities.**

****Public members who wish to participate, listen to, and provide comment on agenda items can do so by telephone by calling (669) 900-6833, then entering Meeting ID: 981-2027-6218, password 700546. 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 dbarney@ssjid.com by 4:30 p.m., Wednesday, November 17, 2021.

In addition to the mandatory conditions set forth above, the Tri-Dam Directors will use sound discretion and make reasonable efforts to adhere as closely as reasonably possible to the provisions of the Brown Act, and other applicable local laws regulating the conduct of public meetings.

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) 249-4623, as far in advance as possible but no later than 24 hours before the scheduled event. The best effort to fulfill the request will be made.

CALL TO ORDER

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

PUBLIC COMMENT

CONSENT CALENDAR

ITEMS 1 - 2

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 October 21, 2021.
2. Approve the October financial statements and statement of obligations.

ACTION CALENDAR

ITEMS 3 - 4

3. Discuss and consider adoption of Resolution TDPA 2021-03 to implement teleconferencing requirements during a proclaimed state of emergency.
4. Discuss and consider adoption of the 2022 Draft Budget.

ADJOURNMENT

ITEMS 5 - 6

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

MEETING MINUTES

BOARD AGENDA REPORT

Date: 11/18/2021
Staff: Brian Jaruszewski

SUBJECT: Tri-Dam Power Authority October 2021 Minutes

RECOMMENDED ACTION: Recommend Approval of October 21, 2021 Minutes

BACKGROUND AND/OR HISTORY:

FISCAL IMPACT:

ATTACHMENTS:

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) Holmes (Yes/No) Kamper (Yes/No) Spyksma (Yes/No) Weststeyn (Yes/No)

**TRI-DAM POWER AUTHORITY
MINUTES OF REGULAR MEETING**

October 21, 2021
Oakdale, California

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

President Weststeyn called the meeting to order at 10:43 a.m.

COMMISSIONERS PRESENT:

OID COMMISSIONERS

ED TOBIAS
LINDA SANTOS
TOM ORVIS

SSJID COMMISSIONERS

BOB HOLMES
GLENN SPYKSMA
JOHN HOLBROOK
MIKE WESTSTEYN
DAVE KAMPER

COMMISSIONERS ABSENT:

HERMAN DOORNENBAL; BRAD DeBOER

ALSO PRESENT:

Jarom Zimmerman, General Manager, Tri-Dam Project; Brian Jaruszewski, Finance and Administrative Manager, Tri-Dam Project; Genna Modrell, Admin. & Finance Asst., Tri-Dam Project; Susan Larson, Compliance Coordinator, Tri-Dam Project; Steve Knell, General Manager, OID; Peter Rietkerk, General Manager, SSJID; Mia Brown, General Counsel, SSJID

PUBLIC COMMENT

None

ACTION CALENDAR

ITEM #3 Discuss and consider adoption of Resolution TDPA 2021-02 to implement teleconferencing requirements during a proclaimed state of emergency.

Commissioner Orvis moved to approve the consent calendar. Commissioner Holmes seconded the motion.

The motion passed by the following roll call vote:

AYES: Orvis, Santos, Tobias, Holbrook, Holmes, Kamper, Spyksma, Weststeyn

NOES: None

ABSTAINING: None

ABSENT: DeBoer, Doornenbal

CONSENT CALENDAR

ITEM #1 Approve the regular board meeting minutes of September 16, 2021.

Commissioner Holmes moved to approve the consent calendar. Commissioner Santos seconded the motion.

The motion passed by the following roll call vote:

AYES: Orvis, Santos, Tobias, Holbrook, Holmes, Kamper, Spyksma, Weststeyn

NOES: None

ABSTAINING: None

ABSENT: DeBoer, Doornenbal

ACTION CALENDAR

ITEM #2 Discussion and possible action to approve 3rd quarter 2021 financial statements and September statement of obligations.

Brian Jaruszewski presented the fiscal year 2021 3rd quarter financial statements and September 2021 statement of obligations, and responded to Commissioner questions.

Commissioner Tobias moved to approve the 3rd quarter financial statements and the September statement of obligations as presented. Commissioner Spyksma seconded the motion.

The motion passed by the following roll call vote:

AYES: Orvis, Santos, Tobias, Holbrook, Holmes, Kamper, Spyksma, Weststeyn

NOES: None

ABSTAINING: None

ABSENT: DeBoer, Doornenbal

ITEM #4 Commissioners Comments

None.

ADJOURNMENT

President Weststeyn adjourned the meeting at 10:53 a.m.

The next Board of Commissioners meeting will be November 18, 2021 at the offices of the South San Joaquin Irrigation District, Manteca, California immediately following the Tri-Dam Project meeting, which commences at 9:00 a.m.

ATTEST:

Jarom Zimmerman
Secretary
Tri-Dam Power Authority

FINANCIALS

BOARD AGENDA REPORT

Date: 11/18/2021

Staff: Brian Jaruszewski

SUBJECT: Tri-Dam Power Authority October 2021 Financial Statements

RECOMMENDED ACTION: Recommend Approval of October 2021 Financial Statements and Statement of Obligations

BACKGROUND AND/OR HISTORY:

Financial Statements (Balance Sheet and Income Statement) for Tri-Dam Power Authority are presented monthly for approval. Note that these are unaudited financial statements. As such, they include accruals for certain revenues and expenditures.

Also submitted for approval is the Statement of Obligations for Tri-Dam Power Authority.

FISCAL IMPACT: See Attachments

ATTACHMENTS: Tri-Dam Power Authority Financial Statements
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) Holmes (Yes/No) Kamper (Yes/No) Spyksma (YES/No) Weststeyn (Yes/No)



Tri-Dam Power Authority
Balance Sheets
(Unaudited)

	October 31, 2021	September 30, 2021	October 31, 2020
1 Assets			
2 Cash	\$ 901,872	\$ 1,073,086	\$ 3,503,399
3 Short-Term Investments	1,088,930	1,088,491	1,085,138
4 Accounts Receivable	58,242	-	-
5 Prepaid Expenses	108,588	124,101	110,680
6 Capital Assets	45,381,032	45,381,032	45,367,535
7 Accumulated Depreciation	(22,495,183)	(22,454,351)	(22,004,997)
8 Intangible Assets	-	-	-
9 Other Assets	1,716	1,716	11
10 Total Assets	<u>25,045,217</u>	<u>25,214,075</u>	<u>28,061,765</u>
11			
12			
13 Liabilities			
14 Accounts Payable	4,777	151,870	815,784
15 Other Current Liabilities	-	-	5,700
16 Long-Term Liabilities	-	-	20,833
17 Total Liabilities	<u>4,777</u>	<u>151,870</u>	<u>842,316</u>
18			
19 Net Position			
20 Net Position - Beginning of Year	27,256,117	27,256,117	31,878,621
21 Additional Paid in Capital	385,873	385,873	385,873
22 Distributions	(2,504,000)	(2,504,000)	(8,439,000)
23 YTD Net Revenues	(97,550)	(75,784)	1,393,955
24 Total Net Position	<u>25,040,439</u>	<u>25,062,205</u>	<u>27,219,449</u>
25			
26			
27 Total Liabilities and Net Position	<u>\$ 25,045,217</u>	<u>\$ 25,214,075</u>	<u>\$ 28,061,765</u>



Tri-Dam Power Authority
Statement of Revenues and Expenses
 Period Ending October 31, 2021

	YTD Budget	YTD Actual	YTD Budget Variance	Prior Year Actual	Prior Year Variance	2021 Budget	Percent of 2021 Budget Remaining
1 Operating Revenues							
2 Power Sales	\$ 5,040,797	\$ 950,719	\$ (4,090,078)	\$ 2,532,410	\$ (1,581,691)	\$ 6,048,956	84%
3 Other Operating Revenue	-	6,625	6,625	-	-	-	NA
4 Total Operating Revenues	5,040,797	957,344	(4,083,453)	2,532,410	(1,575,086)	6,048,956	84%
5							
6 Operating Expenses							
7 Salaries and Wages	275,833	272,011	(3,822)	331,844	(59,834)	330,759	18%
8 Benefits and Overhead	188,837	117,339	(71,498)	141,118	(23,779)	226,604	48%
9 Operations	19,025	5,234	(13,791)	16,481	(11,247)	22,830	77%
10 Maintenance	136,250	23,365	(112,885)	62,805	(39,440)	163,500	86%
11 General & Administrative	226,402	234,212	7,811	194,761	39,451	271,682	14%
12 Depreciation & Amortization	416,867	408,124	(8,542)	410,181	(2,066)	500,000	18%
13 Total Operating Expenses	1,262,813	1,060,265	(202,528)	1,167,190	(96,905)	1,515,375	30%
14							
15 Net Income From Operations	3,777,984	(102,941)	(3,880,925)	1,375,220	(1,478,161)	4,533,581	102%
16							
17 Nonoperating Revenues (Expenses)							
18 Investment Earnings	16,667	5,392	(11,275)	18,736	(13,344)	20,000	73%
19 Interest Expense	-	-	-	-	-	-	NA
22 Total Nonoperating Revenues (Expenses)	16,667	5,392	(11,275)	18,736	(13,344)	20,000	73%
23							
24 Net Revenues	\$ 3,794,651	\$ (97,550)	\$ (3,892,201)	\$ 1,393,955	\$ (1,491,505)	\$ 4,553,581	102%
25							
26							
27 Memo:							
28 Capital Expenditures	\$ 130,000	\$ 6,014	\$ (123,986)	\$ 44,892		\$ 166,000	96%

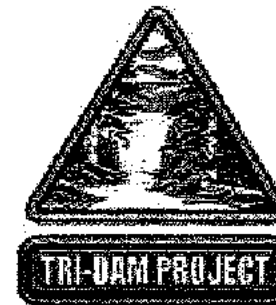


Tri-Dam Power Authority
Statement of Revenues and Expenses
 Period Ending October 31, 2021

	MTD Budget	MTD Actual	MTD Budget Variance	Prior Year MTD Actual	Prior Year MTD Var	2021 Budget	Percent of 2021 Budget Remaining
1 Operating Revenues							
2 Power Sales	\$ 504,080	\$ 58,242	\$ (445,838)	\$ -	\$ 58,242	\$ 6,048,966	90%
3 Other Operating Revenue	-	6,625	6,625	-	-	-	NA
4 Total Operating Revenues	504,080	64,867	(439,213)	-	64,867	6,048,966	89%
5							
6 Operating Expenses							
7 Salaries and Wages	27,663	18,845	(8,718)	84,122	(65,277)	330,759	43%
8 Benefits and Overhead	18,884	6,317	(12,567)	27,891	(21,574)	226,804	72%
9 Operations	1,903	1,076	(826)	550	526	22,830	63%
10 Maintenance	13,626	2,703	(10,922)	6,317	(3,614)	163,500	83%
11 General & Administrative	22,640	17,543	(5,098)	80	17,463	271,682	35%
12 Depreciation & Amortization	41,667	40,812	(854)	41,021	(209)	500,000	18%
13 Total Operating Expenses	126,281	87,296	(38,985)	159,981	(72,685)	1,515,375	42%
14							
15 Net Income From Operations	377,798	(22,429)	(400,228)	(159,981)	137,552	4,533,581	105%
16							
17 Nonoperating Revenues (Expenses)							
18 Investment Earnings	1,667	663	(1,004)	3,487	(2,824)	20,000	67%
19 Interest Expense	-	-	-	-	-	-	NA
22 Total Nonoperating Revenues (Expenses)	1,667	663	(1,004)	3,487	(2,824)	20,000	67%
23							
24 Net Revenues	\$ 379,465	\$ (21,766)	\$ (401,231)	\$ (156,494)	\$ 134,728	\$ 4,553,581	105%
25							
26							
27 Memo:							
28 Capital Expenditures	\$ 13,000	\$ -	\$ (13,000)			\$ 156,000	100%

General Ledger
Expense vs Budget with
Encumbrances by Fund

User: BJanuszewski
Printed: 11/9/2021 11:11:52 AM
Period 01 - 10
Fiscal Year 2021



Fund	Description	Budget	Period Amt	End Bal	Variance	Encumbered	Available	% Available
2	Operations							
2	Electric Expense Labor	105,648.00	119,275.54	119,275.54	-13,627.54	0.00	-13,627.54	-12.90
2	Electric Expense OH	70,874.00	47,486.60	47,486.60	23,387.40	0.00	23,387.40	33.00
2	Powerhouse Supplies	500.00	452.37	452.37	47.63	0.00	47.63	9.53
2	Furnishings & Misc. Equipment	1,000.00	0.00	0.00	1,000.00	0.00	1,000.00	100.00
2	Powerhouse Utilities	15,000.00	-1,548.16	-1,548.16	16,548.16	0.00	16,548.16	110.32
2	Streamgaging	6,330.00	6,330.00	6,330.00	0.00	0.00	0.00	0.00
2	Depreciation	500,000.00	408,124.17	408,124.17	91,875.83	0.00	91,875.83	18.38
2	Operations	699,352.00	580,120.52	580,120.52	119,231.48	0.00	119,231.48	17.05
2	Maintenance							
2	Comms & Security Labor	147,297.00	85,506.26	85,506.26	61,790.74	0.00	61,790.74	41.95
2	Comms & Security OH	98,214.00	43,260.96	43,260.96	54,953.04	0.00	54,953.04	55.95
2	Safety Supplies	1,000.00	213.06	213.06	786.94	0.00	786.94	78.69
2	Maint & Repairs - Facilities	30,000.00	7,312.76	7,312.76	22,687.24	0.00	22,687.24	75.62
2	Maint & Repairs to Plant	70,000.00	12,551.30	12,551.30	57,448.70	0.00	57,448.70	82.07
2	Electronic Expense	5,000.00	2,649.40	2,649.40	2,350.60	0.00	2,350.60	47.01
2	Misc Hydro Expense	500.00	638.01	638.01	-138.01	0.00	-138.01	-27.60
2	Computer/Micro Repair/Replace	2,000.00	0.00	0.00	2,000.00	0.00	2,000.00	100.00
2	Power Line Repair & Maintenance	10,000.00	0.00	0.00	10,000.00	13,553.20	-3,553.20	-35.53
2	Communications & Security	5,000.00	0.00	0.00	5,000.00	0.00	5,000.00	100.00
2	Routine Road Maintenance	15,000.00	0.00	0.00	15,000.00	0.00	15,000.00	100.00
2	Shop Supplies	500.00	0.00	0.00	500.00	0.00	500.00	100.00
2	Equipment Rental TDP	24,000.00	0.00	0.00	24,000.00	0.00	24,000.00	100.00
2	Equipment Operation & Maintenance	500.00	0.00	0.00	500.00	0.00	500.00	100.00
2	Maintenance	409,011.00	152,131.75	152,131.75	256,879.25	13,553.20	243,326.05	59.49
2	Administrative							
2	Administrative Labor	77,815.00	63,699.93	63,699.93	14,115.07	0.00	14,115.07	18.14
2	Administrative OH	57,516.00	24,106.65	24,106.65	33,409.35	0.00	33,409.35	58.09
2	Office Expense	500.00	0.00	0.00	500.00	0.00	500.00	100.00
2	APPA & NHA Dues	7,750.00	7,898.27	7,898.27	-148.27	0.00	-148.27	-1.91
2	Legal Fees General Matters	20,000.00	9,530.00	9,530.00	10,470.00	0.00	10,470.00	52.35
2	Auditing Services	8,912.00	8,771.00	8,771.00	141.00	0.00	141.00	1.58
2	Engineering Consulting	10,000.00	0.00	0.00	10,000.00	0.00	10,000.00	100.00
2	Haz Mat Business Plan	500.00	0.00	0.00	500.00	0.00	500.00	100.00
2	Liability & Property Insurance	166,020.00	165,811.40	165,811.40	208.60	0.00	208.60	0.13
2	Property and Use Taxes	1,000.00	334.00	334.00	666.00	0.00	666.00	66.60

Fund	Description	Budget	Period Amt	End Bal	Variance	Encumbered	Available	% Available
2	FERC Admin & Land Fees	23,000.00	24,432.33	24,432.33	-1,432.33	0.00	-1,432.33	-6.23
2	USFS Campground Fee	34,000.00	17,435.32	17,435.32	16,564.68	0.00	16,564.68	48.72
2	Administrative	407,013.00	322,018.90	322,018.90	84,994.10	0.00	84,994.10	20.88
2	Capital Exp Fixed Asset							
2	150kW Station Generator Labor	0.00	3,528.92	3,528.92	-3,528.92	0.00	-3,528.92	0.00
2	150kW Station Generator OH	0.00	2,484.81	2,484.81	-2,484.81	0.00	-2,484.81	0.00
2	Exci Coi to Goi repl	33,000.00	0.00	0.00	33,000.00	0.00	33,000.00	100.00
2	Stop log gate reseal	18,000.00	0.00	0.00	18,000.00	0.00	18,000.00	100.00
2	51E Mech relay repl	5,000.00	0.00	0.00	5,000.00	0.00	5,000.00	100.00
2	Repl Power Line Poles	100,000.00	0.00	0.00	100,000.00	10,359.71	89,640.29	89.64
2	Capital Exp Fixed Asset	156,000.00	6,013.73	6,013.73	149,986.27	10,359.71	139,626.56	89.50
Expense		1,671,376.00	1,060,284.90	1,060,284.90	611,091.10	23,912.91	587,178.19	0.3513
Total								
2	Tri Dam Power Authority	1,671,376.00	1,060,284.90	1,060,284.90	611,091.10	23,912.91	587,178.19	35.13
Expense		1,671,376.00	1,060,284.90	1,060,284.90	611,091.10	23,912.91	587,178.19	0.3513
Total								



Tri-Dam Power Authority Cash Flow 2021

Month	Power Sales	Other Receipts	Cash Payments	Distributions	Monthly Net Cash Flow	YTD Net Cash Flow
Jan	\$ 566,824	\$ 835	\$ 13,078	\$ 2,504,000	\$ (1,949,419)	\$ (1,949,419)
Feb	139,278	548	8,530	-	131,296	(1,818,123)
Mar	71,989	636	1,025,184	-	(952,559)	(2,770,682)
Apr	109,256	296	26,321	-	83,231	(2,687,452)
May	179,984	363	3,460	-	176,887	(2,510,565)
June	232,326	390	204,276	-	28,440	(2,482,126)
July	101,948	410	216,860	-	(114,503)	(2,596,629)
Aug	57,696	358	25,176	-	32,879	(2,563,750)
Sept	-	4	6,023	-	(6,019)	(2,569,769)
Oct	-	6,625	177,839	-	(171,214)	(2,740,983)
Nov	-	-	-	-	-	(2,740,983)
Dec	-	-	-	-	-	(2,740,983)
Total	\$ 1,459,301	\$ 10,464	\$ 1,706,748	\$ 2,504,000	\$ (2,740,983)	

Budget \$ 6,048,956 \$ 20,000 \$ 1,171,375

Budget	
\$ -	Debt Payments (P&I)
1,015,375	O&M Payments
156,000	Capital Payments
\$ 1,171,375	

Tri-Dam Power Authority

Statement of Obligations

October 1, 2021 to October 31, 2021

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

Period Covered
October 1, 2021 to October 31, 2021

Total Obligations: **8** checks in the amount of **\$5,165.12**
(See attached Vendor Check Register Report)

CERTIFICATION

OAKDALE IRRIGATION DISTRICT

SOUTH SAN JOAQUIN IRRIGATION DISTRICT

Thomas D. Orvis

John Holbrook

Ed Tobias

Robert A. Holmes

Linda Santos

Dave Kamper

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,

Mike Weststeyn, President Date

Jarom Zimmerman, General Manager Date
Secretary

Authority

Oct. Checks by Amount



Check	Vendor No	Vendor	Date	Description	Amount
208224	10501	O'Laughlin & Paris	10/21/2021	Legal Matters	1,830.00
208225	11001	Rexel USA	10/27/2021		703.60
208219	10225	Debco Automotive Supply Inc.	10/06/2021		638.01
208222	10454	Modesto Steel Co.	10/06/2021		527.27
208220	10319	General Plumbing Supply Co Inc.	10/06/2021		462.46
208226	10641	Sonora Airco Gas & Gear	10/27/2021		431.79
208221	10320	General Supply Co.	10/06/2021		371.99
208223	11343	Tim O'Laughlin	10/21/2021		200.00

Report Total: \$ 5,165.12

RESOLUTION
TDPA 2021.03

BOARD AGENDA REPORT

Date: 11/18/2021

Staff: Mia Brown

SUBJECT: Resolution TDPA 2021-03 to Implement Teleconferencing Requirements during a Proclaimed State of Emergency

RECOMMENDED ACTION: Approve Resolution TDPA 2021-03 proclaiming a local emergency, which authorizes remote teleconference meetings.

BACKGROUND AND/OR HISTORY:

On September 17, 2021 Assembly Bill 361 (AB 361) was signed and took effect on October 1, 2021. AB 361 replaced some provisions of Executive Order N-29-20, which allows local legislative bodies to hold remote teleconference meetings. The resolution will allow the Authority a thirty (30) day period to continue remote meetings, or until conditions improve or the Executive Order is cancelled. A subsequent resolution will need to be passed every thirty days to continue the remote meetings.

FISCAL IMPACT: None

ATTACHMENTS: Resolution TDPA 2021-03

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) Holmes (Yes/No) Kamper (Yes/No) Spyksma (Yes/No) Weststeyn (Yes/No)

**TRI-DAM POWER AUTHORITY
RESOLUTION No. TDPA 2021-03
RESOLUTION TO IMPLEMENT TELECONFERENCING REQUIREMENTS
DURING A PROCLAIMED STATE OF EMERGENCY**

WHEREAS, the Ralph M. Brown Act requires that all meetings of a legislative body of a local agency be open and public and that any person may attend and participate in such meetings;

WHEREAS, the Brown Act allows for legislative bodies to hold meetings by teleconference, but imposes specific requirements for doing so;

WHEREAS, on March 17, 2020, in order to address the need for public meetings during the present public health emergency, Governor Newsom issued Executive Order No. N-29-20, suspending the Act's teleconferencing requirements; and

WHEREAS, on June 11, 2021, Governor Newsom issued Executive Order No. N-8-21, continuing the suspension of the Brown Act's teleconferencing requirements through September 30, 2021; and

WHEREAS, these Executive Orders allowed legislative bodies to meet virtually as long as certain notice and accessibility requirements were met; and

WHEREAS, the State Legislature amended the Brown Act through Assembly Bill No. 361 (AB 361) on September 16, 2021; and

WHEREAS, AB 361 amended the Brown Act so that a local agency may use teleconferencing without complying with the regular teleconferencing requirements of the Act, where the legislative body holds a meeting during a proclaimed state of emergency and makes certain findings; and

WHEREAS, Government Code section 54953 requires that the legislative body make additional findings every 30 days in order to continue such teleconferencing.

NOW THEREFORE, the Board of Commissioners of the Tri-Dam Power Authority hereby finds, determines, declares, orders, and resolves as follows:

1. That the foregoing recitals are true and correct and incorporates them by this reference.
2. The Board of Commissioners ("Board") of the Tri-Dam Power Authority ("TDPA") finds, by a majority vote, the following:
 - a. That there exists a proclaimed state of emergency; and
 - b. State or local officials have imposed or recommended measures to promote social distancing.

3. TDPA staff is authorized to take all steps and perform all actions necessary to execute and implement this Resolution in compliance with Government Code section 54953.
4. That this Resolution shall take effect immediately and shall remain in effect for thirty (30) days thereafter, provided the conditions set forth in Section 2 remain.

PASSED AND ADOPTED by the Board of Commissioners of the Tri-Dam Power Authority this 18th day of November, 2021, by the following vote:

OAKDALE IRRIGATION DISTRICT

AYES:
NOES:
ABSENT:

SOUTH SAN JOAQUIN IRRIGATION DISTRICT

AYES:
NOES:
ABSENT:

TRI-DAM POWER AUTHORITY

Mike Weststeyn, President

Jarom Zimmerman, Secretary

DRAFT BUDGET
2022

BOARD AGENDA REPORT

Date: 11/18/2021
Staff: Brian Jaruszewski

SUBJECT: Fiscal Year 2022 Budget

RECOMMENDED ACTION: Recommend Approval of Fiscal Year 2022 Budget

BACKGROUND AND/OR HISTORY:

The Fiscal Year 2022 Budget was developed based upon an expectation of experiencing 75% of an average water year. Additionally, the pricing of the Silicon Valley Power contract will remain the same, at \$80 per MWh. This results in a decrease of approximately \$1.7 million in budgeted generation revenue.

The operating budget reflects a total increase of approximately \$50,000. This is largely due to an increase in salary and benefits of approximately \$38,000. Other operating expenses reflect an increase of \$15,000. This is due to an increase in property / liability insurance, but offset by a decrease in maintenance costs.

The capital budget increased by approximately \$300,000. This is solely due to the need to replace many of the power line poles at Sandbar.

FISCAL IMPACT: To Be Determined

ATTACHMENTS: Fiscal Year 2022 Draft Budget

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) Holmes (Yes/No) Kamper (Yes/No) Spyksma (Yes/No) Weststeyn (Yes/No)



Tri-Dam Power Authority 2022 Budget

	(A) 2017	(B) 2018	(C) 2019	(D) 2020	(E)	(F)	(G)	(H)	(I)	(J)
	Actual	Actual	Actual	Actual	Budget	YTD (Oct)	Forecast	Budget	\$ Change	% Change
1 Revenue										
2 Sale of Energy & Capacity	\$ 8,387,333	\$ 5,133,607	\$ 7,627,132	\$ 3,344,908	\$ 6,048,956	\$ 892,477	\$ 1,529,960	\$ 4,343,626	\$ (1,705,330)	-28.19%
3 Other Revenue	26,365	35,771	35,456	25,232	20,000	4,724	8,098	10,000	(10,000)	-50.00%
4 Total Revenue	\$ 8,413,697	\$ 5,169,378	\$ 7,662,588	\$ 3,370,140	\$ 6,068,956	\$ 897,201	\$ 1,538,058	\$ 4,353,626	\$ (1,715,330)	-28.26%
6 Expense										
7 Payroll - Operations	\$ 270,966	\$ 212,981	\$ 451,289	\$ 279,558	\$ 176,522	\$ 166,762	\$ 222,350	\$ 178,057	\$ 1,535	0.87%
8 Payroll - Administrative	80,811	70,144	86,780	115,656	135,330	87,807	137,075	170,466	35,136	25.96%
9 Payroll - Maintenance	132,526	105,872	218,638	265,110	245,511	128,767	200,305	246,896	1,386	0.56%
10 Labor & Overhead Expense	484,303	388,997	756,707	660,324	557,363	383,336	559,730	595,419	38,056	6.83%
11										
12 Operations	16,241	13,233	18,547	29,891	22,830	9,903	11,095	22,330	(500)	-2.19%
12 Administrative	190,522	185,039	202,710	236,982	271,682	218,700	297,163	339,112	67,430	24.82%
13 Maintenance	47,601	58,670	59,704	161,101	163,500	23,365	82,638	119,500	(44,000)	-26.91%
14 Depreciation	508,139	503,322	499,470	492,223	500,000	367,312	489,749	492,198	(7,802)	-1.56%
15 Operating Expense	762,503	760,263	780,431	920,196	958,012	619,280	880,645	973,140	15,128	1.58%
16										
17 Capital Expense	10,847	-	-	59,522	156,000	6,014	6,014	456,000	300,000	192.31%
19 Total Expense	\$ 1,257,653	\$ 1,149,261	\$ 1,537,139	\$ 1,640,042	\$ 1,671,375	\$ 1,008,629	\$ 1,446,388	\$ 2,024,559	\$ 353,184	21.13%
20										
21 <i>Total Budget</i>	<i>1,727,738</i>	<i>1,821,904</i>	<i>1,761,566</i>	<i>1,752,857</i>	<i>1,671,375</i>			<i>2,024,559</i>		
23 Net Income - including Capital	\$ 7,156,044	\$ 4,020,118	\$ 6,125,449	\$ 1,730,098	\$ 4,397,581	\$ (111,429)	\$ 91,670	\$ 2,329,067	\$ (2,068,514)	-47.04%
25 Net Income - excluding Capital	\$ 7,166,892	\$ 4,020,118	\$ 6,125,449	\$ 1,789,620	\$ 4,553,581	\$ (105,415)	\$ 97,684	\$ 2,785,067	\$ (1,768,514)	-38.84%

Historical generation (10 yrs) - KWh	72,393,759
% of historical	75%
2022 estimated gen - KWh	54,295,319
Price / MWh	\$ 80.00
Generation revenue	\$ 4,343,626

**Tri-Dam Power Authority
2022 Budget**

Acct No.	Line Item	2020 Budget	2020 Actual	2021 Budget	YTD Actual (Oct)	2021 Forecast	2022 Budget	\$ Change	% Change
1	OPERATIONS								
2	53940 Powerhouse Supplies / Furnishings	1,600	1,176	1,500	452	603	1,000	(500)	-33%
3	53970 Powerhouse Utilities	6,000	22,384	15,000	3,121	4,161	15,000	0	0%
4	59650 Streamgaging	6,330	6,330	6,330	6,330	6,330	6,330	0	0%
5	TOTAL OPERATIONS EXPENSE	13,930	29,891	22,830	9,903	11,095	22,330	(500)	-2%
7	MAINTENANCE								
8	53950 Safety Supplies	2,500	178	1,000	213	284	1,000	0	0%
9	54330 Maintenance & Repairs	10,000	2,515	30,000	19,864	52,971	80,000	(20,000)	-67%
10	54430 Maintenance & Repairs (consolidate into 54330)	70,000	16,365	70,000	0	0	0	0	0%
12	54460 Electrical & Electronic Expense	5,000	3,338	5,000	2,649	3,533	5,000	0	0%
14	54810 Routine Road Maintenance	30,000	13,209	15,000	0	15,000	15,000	0	0%
15	54550 Misc. hydro expenses	500	1,731	500	638	851	1,000	500	100%
16	54560 Microwave / computer repair & replace	2,500	306	2,000	0	2,000	2,000	0	0%
17	54630 Power line maintenance/veg removal	100,000	89,435	10,000	0	5,000	10,000	0	0%
18	54730 Communications Systems	2,500	9,039	5,000	0	2,500	5,000	0	0%
19	59740 Shop supplies	500	0	500	0	500	500	0	0%
20	59755 Equipment rent from Project	24,000	24,000	24,000	0	0	0	(24,000)	-100%
21	59790 Equipment operation & maintenance	500	985	500	0	0	0	(500)	-100%
22	TOTAL MAINTENANCE EXPENSE	248,000	161,101	163,500	23,365	82,638	119,500	(44,000)	-27%
24	ADMINISTRATION								
25	59210 Office expense	500	0	500	0	0	500	0	0%
26	59215 APPA & NHA dues	7,550	7,608	7,750	7,898	7,898	8,000	250	3%
27	59310 Legal fees	20,000	2,833	20,000	9,530	12,707	20,000	0	0%
29	59331 Auditor services	10,750	10,986	8,912	8,771	8,771	8,912	0	0%
30	59363 Reliability / Engineering Consulting	10,000	0	10,000	0	5,000	10,000	0	0%
31	59375 Haz Mat Business Plan	500	659	500	0	0	500	0	0%
32	59410 Insurance premiums	136,000	151,164	166,020	150,299	200,398	223,200	57,180	34%
33	59430 Property & Use Taxes	500	3,070	1,000	334	334	2,000	1,000	100%
34	59620 FERC license fees	23,000	27,184	23,000	24,432	27,184	30,000	7,000	30%
35	59630 USFS Sandbar Collection Agreement	34,000	33,478	34,000	17,435	34,871	36,000	2,000	6%
36	60000 Depreciation Expense	500,000	492,223	500,000	367,312	489,749	492,198	(7,802)	-2%
37	TOTAL ADMINISTRATIVE EXPENSE	742,800	729,204	771,682	586,012	786,912	831,310	59,628	8%
39	TOTAL OPERATIONS, MAINTENANCE & ADMIN	1,004,730	920,196	958,012	619,280	880,645	973,140	15,128	2%
41	CAPITAL EQUIPMENT								
43	Exciter Coil to GoI replacement	0	0	33,000	0	0	33,000	0	0%
44	Stop log gate reseal	0	0	18,000	0	0	18,000	0	0%
45	SPH 51E Mechanical relay replacement	0	0	5,000	0	0	5,000	0	0%
46	Replace Power Line Poles	0	0	100,000	0	0	400,000	300,000	0%
47	Upgrade DVRs - SPH & intake	19,000	4,950	0	0	0	0	0	0%
48	HMI touch screen for exciter	33,000	0	0	0	0	0	0	0%
49	Repair / replace transmission line caution balls	15,000	0	0	0	0	0	0	0%
50	Upgrade CO2 fire suppression system	15,000	911	0	0	0	0	0	0%
51	150kW Station Generator	60,000	53,661	0	6,014	6,014	0	0	0%
52	TOTAL CAPITAL EXPENSE	142,000	59,522	156,000	6,014	6,014	456,000	300,000	192%
54	LABOR & OVERHEAD								
55	53510 Payroll - operations	136,785	167,465	105,648	119,276	159,034	107,676	2,028	2%
53	Payroll - administrative	76,210	59,698	77,815	63,700	84,933	97,366	19,552	25%
54	Payroll - maintenance	140,267	150,775	147,297	85,506	133,010	152,006	4,709	3%
55	53520 Payroll overhead - operations	91,041	112,093	70,874	47,487	63,315	70,381	(493)	-1%
56	Payroll overhead - administrative	57,957	55,958	57,516	24,107	52,142	73,099	15,584	27%
57	Payroll overhead - maintenance	103,867	114,335	98,214	43,261	67,295	94,890	(3,324)	-3%
58	TOTAL LABOR & OVERHEAD	606,127	660,324	557,363	383,336	559,730	595,419	38,056	7%