



AGENDA MATERIALS
TRI-DAM PROJECT



TRI-DAM POWER
AUTHORITY



BOARD MEETING

January 20, 2022

**REGULAR BOARD MEETING
AGENDA
TRI-DAM PROJECT
of THE OAKDALE IRRIGATION DISTRICT and
THE SOUTH SAN JOAQUIN IRRIGATION DISTRICT
JANUARY 20, 2022
9:00 A.M.**

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

*** 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, JANUARY 17, 2022 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 and the Oakdale Irrigation Office located 1205 East F Street, Oakdale. These sites will be utilized as call-in centers only for some or all Directors who will be communicating via teleconference. 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) 900-9128, then entering Meeting ID: 439-287-1020. 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 nfiez@oakdaleirrigation.com by 4:30 p.m., Wednesday, January 19, 2022.

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

ITEM 1

1. Approve the regular board meeting minutes of December 16, 2021.

ACTION CALENDAR

ITEMS 2 - 8

2. Discuss and consider adoption of Resolution TDP 2022-01 to implement teleconferencing requirements during a proclaimed state of emergency.
3. Discussion and possible action to approve 4th quarter 2021 financial statements and December 2021 statement of obligations.
4. Discussion and possible action to approve 2022 Investment Policy.
5. Discussion and possible action to approve Resolution TDP 2022-02 District Distribution.
6. Discuss and consider approval of the Associated California Water Agencies Annual 2022 Membership Dues.
7. Discussion and possible action to approve an annual donation to the California Cooperative Snow Surveys Program.
8. Discussion and possible action to approve the Part 12D Independent Consultant contract with McMillen Jacobs Associates.

COMMUNICATIONS

ITEMS 9 - 12

9. Staff reports as follows:
 - a. General Manager Report
 - b. Operations & Maintenance Report
 - c. Compliance Report

10. Generation Report
 11. Fisheries studies on the Lower Stanislaus River
 12. Directors' Comments
-

CLOSED SESSION

ITEM 13

13. a. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION
Government Code § 54956.9(d)(1)
 1. *SJTA v. State Water Resources Control Board*
Judicial Council Coordination Proceeding 5013
 2. *SJTA v. State Water Resources Control Board*
Fresno County Superior Court, Case No. 21CECG02632
 3. *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)
Three (3) cases
 - c. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION
Significant Exposure to Litigation
Government Code § 54956.9(d)(2)
Two (2) cases
-

ADJOURNMENT

ITEM 14

14. Adjourn to the next regularly scheduled meeting

BOARD AGENDA REPORT

Date: 1/20/2022
Staff: Brian Jaruszewski

SUBJECT: Tri-Dam Project December 2021 Minutes

RECOMMENDED ACTION: Recommend Approval of December 16, 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**

December 16, 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
BRAD DeBOER
HERMAN DOORNENBAL

BOB HOLMES
GLENN SPYKSMA
MIKE WESTSTEYN
DAVE KAMPER

DIRECTORS ABSENT:

LINDA SANTOS, JOHN HOLBROOK

Also, Present:

Jarom Zimmerman, General Manager, Tri-Dam Project; Brian Jaruszewski, Admin. & Finance Manager, Tri-Dam Project; Genna Modrell, Admin. & Finance Asst., Tri-Dam Project; Susan Larson, Compliance Coordinator, Tri-Dam Project; Peter Rietkerk, General Manager, SSJID; Bere Lindley, Asst. General Manager, SSJID; Mia Brown, General Counsel, SSJID; Tim Wasiewski, Counsel; Tim O'Laughlin, Counsel

PUBLIC COMMENT

None.

CONSENT CALENDAR

ITEM #1 Approve the regular board meeting minutes of November 18, 2021.

ITEM #2 Approve the November financial statements and statement of obligations.

Director Orvis moved to approve the consent calendar as presented. Director Weststeyn seconded the motion.

The motion passed by the following roll call vote:

AYES: Doornenbal, DeBoer, Orvis, Tobias, Holmes, Kamper, Spyksma, Weststeyn

NOES: None

ABSTAINING: None

ABSENT: Holbrook, Santos

ACTION CALENDAR

ITEM #3 Discuss and consider adoption of Resolution TDP 2021-08 to implement teleconferencing requirements during a proclaimed state of emergency.

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

The motion passed by the following roll call vote:

AYES: DeBoer, Doornenbal, Orvis, Tobias, Holmes, Kamper, Spyksma, Weststeyn

NOES: None

ABSTAINING: None

ABSENT: Holbrook, Santos

ITEM #4 Discussion and possible action regarding Resolution TDP 2021-09 Surplus Property

Jarom Zimmerman presented Resolution TDP 2021-09, and advised that the only item for disposal is the 1997 Ford F350 Flatbed. Jarom also responded to Director questions.

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

The motion passed by the following roll call vote:

AYES: DeBoer, Doornenbal, Orvis, Tobias, Holmes, Kamper, Spyksma, Weststeyn

NOES: None

ABSTAINING: None

ABSENT: Holbrook, Santos

ITEM #5 Discussion and possible action regarding Resolution TDP 2021-10 Establishment of a Flexible Spending Account Deposit Account at Oak Valley Community Bank.

Brian Jaruszewski presented a request to establish a separate flexible spending bank account, and responded to Director questions.

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

The motion passed by the following roll call vote:

AYES: DeBoer, Doornenbal, Orvis, Tobias, Holmes, Kamper, Spyksma, Weststeyn

NOES: None

ABSTAINING: None

ABSENT: Holbrook, Santos

ITEM #6 Discussion and possible action to approve FY2022 Public Relations / Marketing Services Agreement – MHD Group, Inc.

Brian Jaruszewski presented the FY2022 Agreement and responded to Director questions.

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

The motion passed by the following roll call vote:

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

ITEM #9 Tri-Dam Project and Tri-Dam Power Authority Transition Update.

Jarom Zimmerman advised the Directors of the next steps in the transition process; specifically, to prepare a Joint Powers Agreement for Tri-Dam Project. Jarom expects to bring it to the Board for approval this spring.

COMMUNICATIONS

ITEM #10 Staff Reports

In addition to the written reports Jarom Zimmerman gave a brief summary of the General Manager's report.

ITEM #11 Generation Report

No discussion.

ITEM #12 Fisheries Studies on the Lower Stanislaus River

No discussion.

ITEM #13 Directors Comments

Directors thanked staff for an excellent job on the Tulloch ground breaking and wished everyone a Merry Christmas and Happy New Year.

Recess to Tri-Dam Power Authority

President Holmes recessed to the Tri-Dam Power Authority Board of Commissioners meeting at 9:50 a.m.

The Tri-Dam Project meeting resumed at 10:08 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 10:08 a.m. and convened to Closed Session at 10:20 a.m.

ITEM #14 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. *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. PUBLIC EMPLOYEE PERFORMANCE EVALUATION
Government Code § 54957(b)(1)
Title: General Manager

At the hour of 11:34 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.

The following items were undertaken following closed session:

ITEM #7 Discuss and consider Tri-Dam response to letter dated November 24, 2021 from Congressman Tom McClintock.

Director Kamper moved to approve the proposed response letter to Congressman Tom McClintock. Director DeBoer seconded the motion.

The motion passed by the following roll call vote:

AYES: DeBoer, Doornenbal, Orvis, Tobias, Holmes, Kamper, Spyksma, Weststeyn

NOES: None

ABSTAINING: None

ABSENT: Holbrook, Santos

ITEM #8 Discuss and possible action regarding annual compensation of General Manager.

Director Spyksma moved to approve a 7% increase for the General Manager's annual compensation. Director Orvis seconded the motion.

The motion passed by the following roll call vote:

AYES: DeBoer, Doornenbal, Orvis, Tobias, Holmes, Kamper, Spyksma, Weststeyn

NOES: None

ABSTAINING: None

ABSENT: Holbrook, Santos

ADJOURNMENT

President Holmes adjourned the meeting at 11:36 a.m.

The next regular board meeting is scheduled for January 20, 2022, at the offices of South San Joaquin Irrigation District, Manteca, California beginning at 9:00 a.m.

ATTEST:

Jarom Zimmerman
Secretary, Tri-Dam Project

DRAFT

BOARD AGENDA REPORT

Date: 1/20/2022
Staff: Mia Brown

SUBJECT: Resolution TDP 2022-01 to Implement Teleconferencing Requirements during a Proclaimed State of Emergency

RECOMMENDED ACTION: Approve Resolution TDP 2022-01 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 2022-01

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 2022-01
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 20th day of January, 2022, 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

BOARD AGENDA REPORT

Date: 1/20/2022
Staff: Brian Jaruszewski

SUBJECT: Tri-Dam Project 4th Quarter 2021 Financial Statements

RECOMMENDED ACTION: Recommend Approval of 4th Quarter 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)

	December 31, 2021	November 30, 2021	December 31, 2020
1 Assets			
2 Cash	\$ 10,632,126	\$ 7,789,284	\$ 8,229,834
3 Investment Securities & Money Market	15,429,612	15,429,612	13,931,698
4 Accounts Receivable	2,953,352	4,124,649	2,203,540
5 Prepaid Expenses	388,254	453,236	448,726
6 Capital Assets	112,116,358	112,116,358	107,655,004
7 Accumulated Depreciation	(54,495,045)	(54,338,356)	(52,697,793)
8 Intangible Assets	8,213,938	8,213,938	8,213,938
9 Accumulated Amortization - Intangibles	(2,589,712)	(2,570,251)	(2,375,641)
10 Other Assets	59,268	59,268	22,105
11 Deferred Outflows - Pension Related	1,703,113	1,703,113	3,095,459
12 Total Assets & Deferred Outflows	94,411,263	92,980,851	88,726,869
13			
14			
15 Liabilities			
16 Accounts Payable	173,367	214,522	128,209
17 Other Current Liabilities	357,273	363,216	389,819
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	6,285,993	6,333,090	7,383,664
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	13,957,577	12,480,068	15,821,749
27 Total Net Position	88,125,271	86,647,761	81,343,204
28			
29			
30 Total Liabilities and Net Position	\$ 94,411,263	\$ 92,980,851	\$ 88,726,869



Tri-Dam Project
Statement of Revenues and Expenses
 Period Ending December 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	\$ 35,977,003	\$ 23,418,500	\$ (12,558,503)	\$ 27,311,801	\$ (3,893,301)	\$ 35,977,003	35%
3 Headwater Benefit	367,354	360,000	(7,354)	360,000	-	367,354	2%
4 Total Operating Revenues	36,344,357	23,778,500	(12,565,857)	27,671,801	(3,893,301)	36,344,357	35%
6 Operating Expenses							
7 Salaries and Wages	2,433,496	2,193,043	(240,453)	2,212,564	(19,521)	2,433,496	10%
8 Benefits and Overhead	1,774,672	1,917,130	142,458	1,822,205	94,925	1,774,672	-8%
9 Operations	199,015	110,496	(88,519)	116,259	(5,763)	199,015	44%
10 Maintenance	1,360,300	624,979	(735,321)	2,747,069	(2,122,091)	1,360,300	54%
11 General & Administrative	4,923,747	3,382,432	(1,541,315)	3,706,542	(324,110)	4,923,747	31%
12 Depreciation & Amortization	2,096,400	2,114,057	17,657	2,086,968	27,089	2,096,400	-1%
13 Total Operating Expenses	12,787,630	10,342,136	(2,445,494)	12,691,606	(2,349,470)	12,787,630	19%
14 Net Income From Operations	23,556,727	13,436,363	(10,120,364)	14,980,194	(1,543,831)	23,556,727	43%
17 Nonoperating Revenues (Expenses)							
18 Investment Earnings	155,000	136,569	(18,431)	202,129	(65,560)	155,000	12%
19 Change in Market Value of Investments	-	(99,493)	(99,493)	102,770	(202,263)	-	NA
20 Water Sales	166,336	166,000	(336)	166,000	-	166,336	0%
21 Equipment Rental	-	2,400	2,400	26,400	(24,000)	-	NA
22 Gain/(Loss) on Asset Disposal	-	24,048	24,048	33,730	(9,682)	-	NA
23 Reimbursements	213,269	184,256	(29,013)	187,006	(2,750)	213,269	14%
24 Other Nonoperating Revenue	101,900	107,434	5,534	123,520	(16,086)	101,900	-5%
25 Total Nonoperating Revenues (Expenses)	636,505	521,214	(115,291)	841,555	(320,341)	636,505	18%
26							
27 Net Revenues	\$ 24,193,232	\$ 13,957,577	\$ (10,235,655)	\$ 15,821,749	\$ (1,864,172)	\$ 24,193,232	42%
28							
29							
30							
31 Memo:							
32 Capital Expenditures	\$ 1,594,565	\$ 256,080	\$ (1,338,485)			\$ 1,594,565	
33 Tulloch Day Use Site	\$ 1,500,000	\$ 142,545	\$ (1,357,455)			\$ 1,500,000	
34 Major Repairs - Hells Half Acre & 4700 Roads	\$ 220,000	\$ 12,735	\$ (207,265)			\$ 220,000	
35 Major Repairs - Tulloch Unit 3 Access Rd	\$ 2,230,000	\$ 24,461	\$ (2,205,539)			\$ 2,230,000	



Tri-Dam Project
Statement of Revenues and Expenses
 Period Ending December 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	\$ 2,235,338	\$ (762,745)	\$ 652,682	\$ 1,582,656	\$ 35,977,003	25%
3 Headwater Benefit	30,613	90,000	59,387	90,000	-	367,354	-194%
4 Total Operating Revenues	3,028,696	2,325,338	(703,358)	742,682	1,582,656	36,344,357	23%
6 Operating Expenses							
7 Salaries and Wages	187,192	170,042	(17,150)	178,615	(8,574)	2,433,496	9%
8 Benefits and Overhead	147,889	234,591	86,702	232,655	1,936	1,774,672	-59%
9 Operations	16,585	15,963	(622)	16,198	(235)	199,015	4%
10 Maintenance	113,358	48,307	(65,051)	554,338	(506,031)	1,360,300	57%
11 General & Administrative	410,312	275,459	(134,853)	200,093	75,366	4,923,747	33%
12 Depreciation & Amortization	174,700	176,150	1,450	174,090	2,060	2,096,400	-1%
13 Total Operating Expenses	1,050,037	920,511	(129,526)	1,355,989	(435,478)	12,787,630	12%
14 Net Income From Operations	1,978,660	1,404,827	(573,832)	(613,307)	2,018,135	23,556,727	29%
17 Nonoperating Revenues (Expenses)							
18 Investment Earnings	12,917	788	(12,128)	2,775	(1,987)	155,000	94%
19 Change in Market Value of Investments	-	(8,664)	(8,664)	-	(8,664)	-	NA
20 Water Sales	13,861	41,500	27,639	41,500	-	166,336	-199%
21 Equipment Rental	-	200	200	2,200	(2,000)	-	NA
22 Gain/(Loss) on Asset Disposal	-	-	-	5,357	(5,357)	-	NA
23 Reimbursements	17,772	28,656	10,883	24,500	4,156	213,269	-61%
24 Other Nonoperating Revenue	8,492	10,202	1,711	10,670	(467)	101,900	-20%
25 Total Nonoperating Revenues (Expenses)	53,042	72,682	19,640	87,002	(14,320)	636,505	-37%
26 Net Revenues	\$ 2,031,702	\$ 1,477,510	\$ (554,192)	\$ (526,305)	\$ 2,003,815	\$ 24,193,232	27%
31 Memo:							
32 Capital Expenditures	\$ 132,880	\$ -	\$ (132,880)			\$ 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	



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

	QTD Budget	QTD Actual	QTD Budget Variance	Prior Year QTD Actual	Prior Year QTD Var	2021 Budget	Percent of 2021 Budget Remaining
1 Operating Revenues							
2 Power Sales	\$ 8,994,251	\$ 7,213,249	\$ (1,781,001)	\$ 4,722,475	\$ 2,490,775	\$ 35,977,003	20%
3 Headwater Benefit	91,838	90,000	(1,838)	90,000	-	367,354	2%
4 Total Operating Revenues	9,086,089	7,303,249	(1,782,840)	4,812,475	2,490,775	36,344,357	20%
6 Operating Expenses							
7 Salaries and Wages	655,172	541,026	(114,146)	596,126	(55,100)	2,433,496	17%
8 Benefits and Overhead	443,668	490,328	46,660	496,880	(6,551)	1,774,672	-11%
9 Operations	49,754	38,354	(11,400)	29,488	8,866	199,015	23%
10 Maintenance	340,075	195,723	(144,352)	2,077,927	(1,882,204)	1,360,300	42%
11 General & Administrative	1,230,937	689,527	(541,409)	617,429	72,099	4,923,747	44%
12 Depreciation & Amortization	524,100	528,622	4,522	522,211	6,411	2,096,400	-1%
13 Total Operating Expenses	3,243,706	2,483,580	(760,126)	4,340,060	(1,856,480)	12,787,630	23%
14 Net Income From Operations	5,842,384	4,819,670	(1,022,714)	472,415	4,347,255	23,556,727	18%
17 Nonoperating Revenues (Expenses)							
18 Investment Earnings	38,750	5,574	(33,176)	17,281	(11,706)	155,000	86%
19 Change in Market Value of Investments	-	(31,650)	(31,650)	(8,933)	(22,717)	-	NA
20 Water Sales	41,584	41,500	(84)	41,500	-	166,336	0%
21 Equipment Rental	-	600	600	6,600	(6,000)	-	NA
22 Gain/(Loss) on Asset Disposal	-	-	-	22,910	(22,910)	-	NA
23 Reimbursements	53,317	39,162	(14,156)	37,477	1,685	213,269	27%
24 Other Nonoperating Revenue	25,475	16,969	(8,506)	24,360	(7,391)	101,900	33%
25 Total Nonoperating Revenues (Expenses)	159,126	72,155	(86,971)	141,194	(69,039)	636,505	55%
26 Net Revenues	\$ 6,001,510	\$ 4,891,825	\$ (1,109,685)	\$ 613,609	\$ 4,278,216	\$ 24,193,232	18%
31 Memo:	QTD Budget	QTD Actual	QTD Budget Variance			2021 Budget	
32 Capital Expenditures	\$ 398,641	\$ 55,020	\$ (343,621)			\$ 1,594,565	
33 Tulloch Day Use Site	\$ 375,000	\$ -	\$ (375,000)			\$ 1,500,000	
34 Major Repairs - Hells Half Acre & 4700 Roads	\$ 55,000	\$ 12,735	\$ (42,265)			\$ 220,000	
35 Major Repairs - Tulloch Unit 3 Access Rd	\$ 557,500	\$ 24,461	\$ (533,039)			\$ 2,230,000	

General Ledger

Expense vs Budget with Encumbrances by Fund



User: BJaruszewski
 Printed: 1/12/2022 2:51:18 PM
 Period 01 - 12
 Fiscal Year 2021

Fund	Description	Budget	Period Amt	End Bal	Variance	Encumbered	Available	% Available
1	Corporate							
1	Bank Fees & Charges	13,500.00	9,763.45	9,763.45	3,736.55	0.00	3,736.55	27.68
1	Pension Expense-GASB 68	0.00	349,503.10	349,503.10	-349,503.10	0.00	-349,503.10	0.00
1	Corporate	13,500.00	359,266.55	359,266.55	-345,766.55	0.00	-345,766.55	-2,561.23
1	Operations							
1	Electric Exp Labor	822,002.00	1,174,039.14	1,174,039.14	-352,037.14	0.00	-352,037.14	-42.83
1	Electric Exp OH	569,306.00	519,776.78	519,776.78	49,529.22	0.00	49,529.22	8.70
1	Interconnection Exp 3rd Unit	2,050.00	2,019.36	2,019.36	30.64	0.00	30.64	1.49
1	Power House & Dam Util	34,200.00	28,320.65	28,320.65	5,879.35	0.00	5,879.35	17.19
1	Monitoring Surveying	5,500.00	11,000.00	11,000.00	-5,500.00	0.00	-5,500.00	-100.00
1	Operations Office Supplies	4,800.00	1,980.14	1,980.14	2,819.86	0.00	2,819.86	58.75
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	44,666.31	44,666.31	933.69	0.00	933.69	2.05
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	452.52	452.52	1,547.48	0.00	1,547.48	77.37
1	Depreciation	1,862,868.00	1,880,525.15	1,880,525.15	-17,657.15	0.00	-17,657.15	-0.95
1	FERC Relicense Amortization	83,100.00	83,099.88	83,099.88	0.12	0.00	0.12	0.00
1	Beardsley Recreation Amort	150,432.00	150,432.24	150,432.24	-0.24	0.00	-0.24	0.00
1	Operations	3,798,823.00	4,085,658.40	4,085,658.40	-286,835.40	18,510.00	-305,345.40	-8.04
1	Maintenance							
1	Comms & Security Labor	1,149,668.00	967,682.28	967,682.28	181,985.72	0.00	181,985.72	15.83
1	Comms & Security OH	863,446.00	409,254.81	409,254.81	454,191.19	0.00	454,191.19	52.60
1	Maintenance Office Supplies	1,500.00	425.99	425.99	1,074.01	0.00	1,074.01	71.60
1	Safety Supplies & Related	25,500.00	10,998.67	10,998.67	14,501.33	0.00	14,501.33	56.87
1	Maint & Repairs - Structures	103,200.00	32,962.06	32,962.06	70,237.94	0.00	70,237.94	68.06
1	Maint & Repairs - Facilities	96,500.00	83,731.24	83,731.24	12,768.76	4,731.73	8,037.03	8.33
1	Maint & Repairs - Plant	227,700.00	45,679.54	45,679.54	182,020.46	4,750.75	177,269.71	77.85
1	Electronic Exp	60,000.00	11,397.05	11,397.05	48,602.95	0.00	48,602.95	81.00
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	11,610.56	11,610.56	22,389.44	0.00	22,389.44	65.85

Fund	Description	Budget	Period Amt	End Bal	Variance	Encumbered	Available	% Available
1	ComputerMicro Repair Replace	35,800.00	44,838.35	44,838.35	-9,038.35	0.00	-9,038.35	-25.25
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	60,054.50	60,054.50	21,445.50	7,855.02	13,590.48	16.68
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	83,583.23	83,583.23	16,416.77	0.00	16,416.77	16.42
1	Shop Supplies	25,000.00	22,155.30	22,155.30	2,844.70	0.00	2,844.70	11.38
1	Small Tools	20,000.00	25,495.07	25,495.07	-5,495.07	0.00	-5,495.07	-27.48
1	Miscellaneous Equipment	28,900.00	10,803.65	10,803.65	18,096.35	0.00	18,096.35	62.62
1	Disposal Expense	6,000.00	6,148.54	6,148.54	-148.54	0.00	-148.54	-2.48
1	Fuel and Fuel Tax	105,000.00	105,862.83	105,862.83	-862.83	0.00	-862.83	-0.82
1	Equipment Operation & Maint	8,700.00	5,219.65	5,219.65	3,480.35	0.00	3,480.35	40.00
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	1,978,501.13	1,978,501.13	1,394,912.87	17,337.50	1,377,575.37	40.84
1	Administrative							
1	Administrative Labor	461,824.00	19,250.86	19,250.86	442,573.14	0.00	442,573.14	95.83
1	Administrative OH	341,921.00	623,340.59	623,340.59	-281,419.59	0.00	-281,419.59	-82.31
1	Office & Administrative Expens	35,800.00	34,865.52	34,865.52	934.48	375.00	559.48	1.56
1	Prof. Organizations & Subscrip	27,165.00	22,988.79	22,988.79	4,176.21	0.00	4,176.21	15.37
1	Utilities Straw	43,000.00	48,691.89	48,691.89	-5,691.89	0.00	-5,691.89	-13.24
1	Travel & Conference	22,500.00	4,962.88	4,962.88	17,537.12	0.00	17,537.12	77.94
1	Meals	5,000.00	2,981.73	2,981.73	2,018.27	0.00	2,018.27	40.37
1	Drug Testing & Physicals	2,000.00	1,955.20	1,955.20	44.80	0.00	44.80	2.24
1	Computers and Related	11,100.00	1,315.71	1,315.71	9,784.29	0.00	9,784.29	88.15
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	43,292.54	43,292.54	-14,492.54	0.00	-14,492.54	-50.32
1	Data Communications Services	4,400.00	4,299.54	4,299.54	100.46	0.00	100.46	2.28
1	Website Internet & Network	55,800.00	43,240.61	43,240.61	12,559.39	4,573.00	7,986.39	14.31
1	Legal Fees	353,000.00	188,612.89	188,612.89	164,387.11	0.00	164,387.11	46.57
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	22,704.58	22,704.58	-12,154.58	0.00	-12,154.58	-115.21
1	FERC Part 12 Inspections	150,000.00	58,639.33	58,639.33	91,360.67	41,755.60	49,605.07	33.07
1	Stategic Communication PR	25,000.00	6,650.00	6,650.00	18,350.00	19,250.00	-900.00	-3.60
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	40,504.88	40,504.88	-10,504.88	43,014.45	-53,519.33	-178.40
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	99,982.50	99,982.50	17.50	21,885.00	-21,867.50	-21.87
1	USBR Pln of Opr & SWRCB	360,000.00	405,558.50	405,558.50	-45,558.50	0.00	-45,558.50	-12.66
1	Lower River Non-native Investi	500,000.00	500,463.16	500,463.16	-463.16	4,936.84	-5,400.00	-1.08
1	Adult Chinook Life Cycle	200,000.00	199,883.71	199,883.71	116.29	3,519.87	-3,403.58	-1.70
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	23,732.50	23,732.50	1,267.50	1,667.50	-400.00	-1.60
1	Liability Insurance	493,950.00	592,673.31	592,673.31	-98,723.31	0.00	-98,723.31	-19.99
1	Property and Use Taxes	10,000.00	16,781.03	16,781.03	-6,781.03	0.00	-6,781.03	-67.81
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	244,226.04	244,226.04	27,073.96	7,655.26	19,418.70	7.16
1	State Water Rights Fees	27,375.00	35,271.40	35,271.40	-7,896.40	0.00	-7,896.40	-28.85
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	91,657.42	91,657.42	-39,177.42	0.00	-39,177.42	-74.65
1	FERC USBR HWB Tulloch	90,500.00	90,500.04	90,500.04	-0.04	0.00	-0.04	0.00
1	USFS Permit Fees	11,600.00	26,202.44	26,202.44	-14,602.44	0.00	-14,602.44	-125.88
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	61,193.50	61,193.50	-1,193.50	0.00	-1,193.50	-1.99
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	3,858,154.67	3,858,154.67	1,743,737.33	777,751.97	965,985.36	17.24
1	Capital Exp Fixed Asset							
1	Microwave link upgrade Labor	90,125.00	32,070.50	32,070.50	58,054.50	0.00	58,054.50	64.42
1	Microwave link upgrade OH	38,625.00	15,254.53	15,254.53	23,370.47	0.00	23,370.47	60.51
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	53,510.35	53,510.35	1,416,489.65	21,159.00	1,395,330.65	94.92
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	327,819.68	327,819.68	4,996,745.32	125,545.38	4,871,199.94	91.49
Expense	Total	18,112,194.00	10,609,400.43	10,609,400.43	7,502,793.57	939,144.85	6,563,648.72	0.3624
1	Tri Dam Project	18,112,194.00	10,609,400.43	10,609,400.43	7,502,793.57	939,144.85	6,563,648.72	36.24
Expense	Total	18,112,194.00	10,609,400.43	10,609,400.43	7,502,793.57	939,144.85	6,563,648.72	0.3624



Tri-Dam Project
Reserve Funds / Investment Portfolio
December 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
3135G0538	1/9/2017	FNMA Bullet	US Agency	10/26/2017	1/5/2022	99.911	480,000	479,572	480,053	481	2.00%	2.02%	0.01
3130AC5A8	8/15/2017	FHLB Bullet	US Agency	8/17/2017	8/15/2022	99.862	480,000	479,339	484,618	5,278	1.85%	1.88%	0.62
3135G0T94	1/23/2018	FNMA Bullet	US Agency	3/21/2018	1/19/2023	98.278	480,000	471,736	489,830	18,095	2.38%	2.76%	1.05
91282CBT7	3/31/2021	US Treasury Note	US Agency	3/31/2021	3/31/2026	99.086	1,400,000	1,395,880	1,373,428	(22,452)	0.75%	0.94%	4.25
							2,840,000	2,826,526	2,827,929	1,402	1.02%	1.12%	2.20
31846V203	NA	First Am Govt Obl MMF Cl Y	AAAm	NA	NA	100.000	528,917	528,917	528,917	-	0.01%	0.01%	0.00
Total - Revenue / Operating Fund							\$3,368,917	\$3,355,443	\$3,356,846	\$1,402	0.86%	0.95%	1.85

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
3135G0538	1/9/2017	FNMA Bullet	US Agency	10/26/2017	1/5/2022	99.493	720,000	716,347	720,079	3,732	2.00%	2.13%	0.01
3130AC5A8	8/15/2017	FHLB Bullet	US Agency	8/17/2017	8/15/2022	99.199	730,000	724,149	737,023	12,873	1.85%	2.02%	0.62
3135G0T94	1/23/2018	FNMA Bullet	US Agency	3/21/2018	1/19/2023	98.212	755,000	741,502	770,462	28,960	2.38%	2.77%	1.05
3133EJSD2	6/19/2018	FFCB Bullet	US Agency	10/5/2018	6/19/2023	98.989	700,000	692,923	726,019	33,096	2.89%	3.12%	1.47
91282CBT7	3/31/2021	US Treasury Note	US Agency	3/31/2021	3/31/2026	99.086	1,000,000	997,057	981,020	(16,037)	0.75%	0.94%	4.25
							3,905,000	3,871,979	3,934,603	62,624	1.88%	2.11%	1.66
31846V203	NA	First Am Govt Obl MMF Cl Y	AAAm	NA	NA	100.000	2,281,042	2,281,042	2,281,042	-	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							\$12,033,496	\$12,000,475	\$12,063,099	\$62,624	1.21%	1.28%	0.79

Total - Both Funds **\$15,402,413** **\$15,355,918** **\$15,419,945** **\$64,027** **1.13%** **1.21%** **1.03**

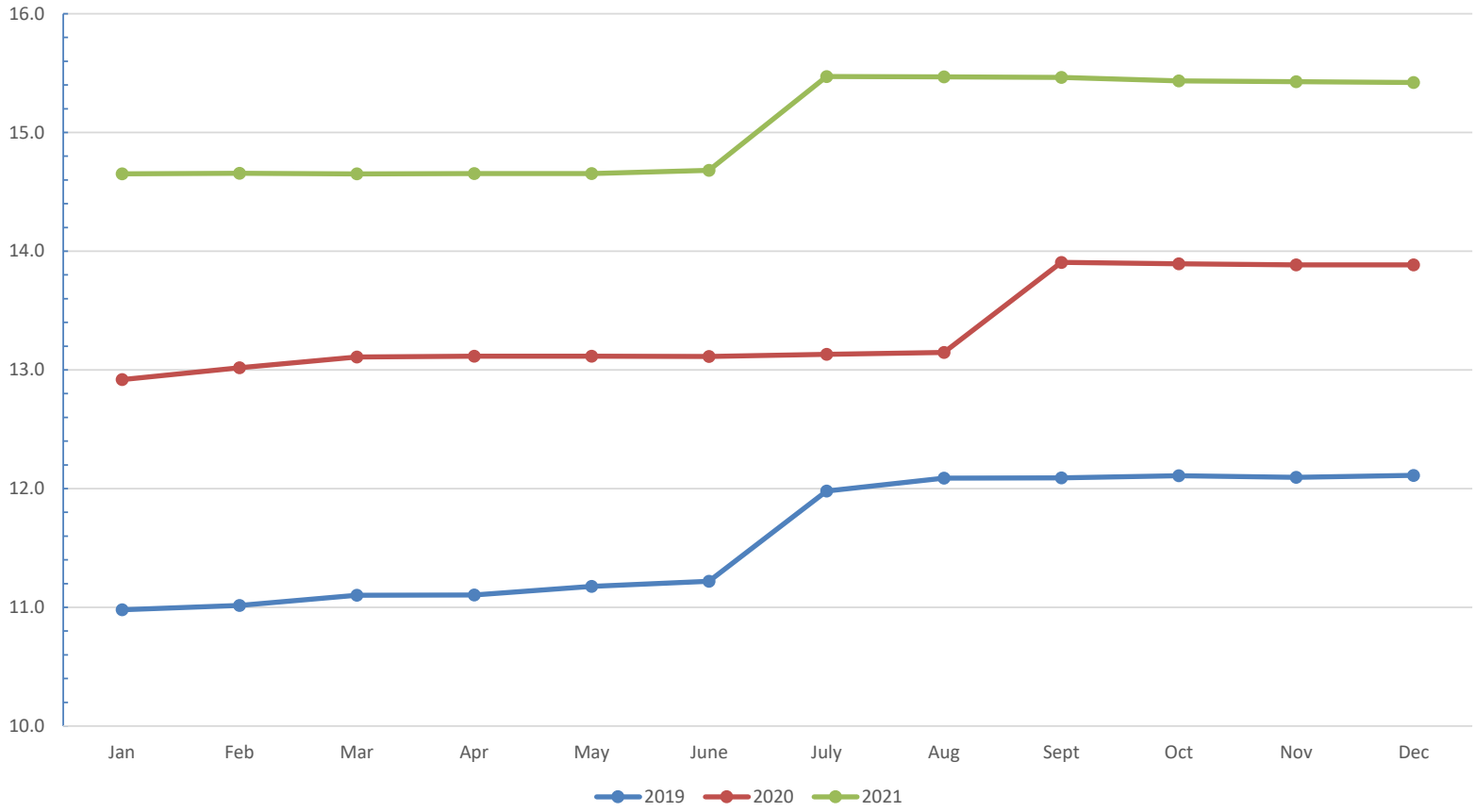
Other Monthly Activity - Revenue / Operating Fund: None
 Other Monthly Activity - Maintenance Fund: None

Monthly Net Cash Flow - Revenue / Operating Fund: \$ (78.87)
 Monthly Net Cash Flow - Maintenance Fund: \$ 10,050.87

Market values provided by U.S. Bank

Statement of Compliance: To the best of my knowledge, all investments are made pursuant to Tri-Dam's investment policy. In addition, 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 REVENUE & OPERATING FUND

This statement is for the period from December 1, 2021 to December 31, 2021



TRI-DAM PROJECT
ATTN: BRIAN JARUSZEWSKI
PO BOX 1158
PINECREST, CA 95364-0158

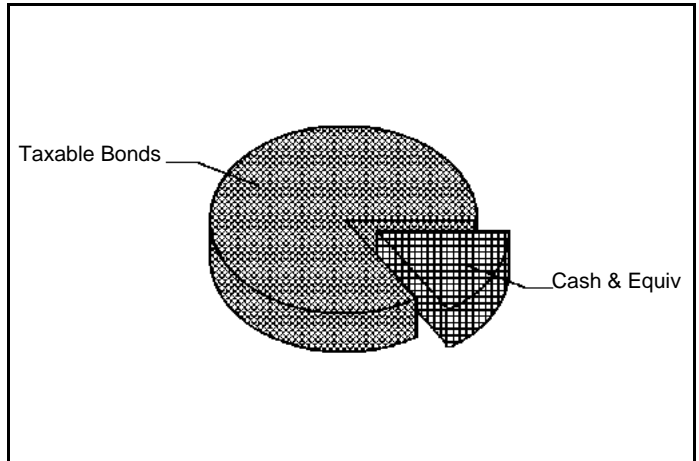
QUESTIONS?

If you have any questions regarding your account or this statement, please contact your Account Manager.

CRAIG SEBASTIAN
CN-OH-W5IT
CN-OH-W5IT
425 WALNUT STREET
CINCINNATI OH 45202
Phone 513-632-2084
E-mail craig.sebastian@usbank.com

ASSET SUMMARY AS OF 12/31/21

Assets	Current Period Market Value	% of Total	Est Annual Income
Cash & Equivalents	528,916.99	15.70	31.66
Taxable Bonds	2,827,928.80	83.80	40,380.00
Accrued Income	15,878.20	.50	.00
Total Market Value	\$3,372,723.99	100.00	\$40,411.66



ASSET DETAIL

Shares or Face Amount	Security Description	Market Value/ Price	Tax Cost/ Unrealized Gain(Loss)	Yield at Market	Est Annual Inc/ Accrued Inc
Cash & Equivalents					
Cash/Money Market					
528,916.990	First American Government Oblig Fd Cl Y #3763 31846V203	528,916.99 1.0000	528,916.99 0.00	0.01	31.66 2.69
Total Cash/Money Market		\$528,916.99	\$528,916.99 \$.00		\$31.66 \$2.69
Cash					



TRI-DAM PROJECT REVENUE & OPERATING FUND

This statement is for the period from December 1, 2021 to December 31, 2021

ASSET DETAIL (continued)

Shares or Face Amount	Security Description	Market Value/ Price	Tax Cost/ Unrealized Gain(Loss)	Yield at Market	Est Annual Inc/ Accrued Inc
	Principal Cash	- 2,171,272.65	- 2,171,272.65		
	Income Cash	2,171,272.65	2,171,272.65		
	Total Cash	\$0.00	\$0.00		\$0.00
	Total Cash & Equivalents	\$528,916.99	\$528,916.99		\$31.66
			\$0.00		\$2.69
Taxable Bonds					
US Government Issues					
480,000.000	F N M A 2.000 01/05/2022 3135G0S38 Standard & Poors Rating: AA+ Moody's Rating: Aaa	480,052.80 100.0110	479,571.84 480.96	2.00	9,600.00 4,693.33
480,000.000	F N M A Deb 2.375 01/19/2023 3135G0T94 Standard & Poors Rating: AA+ Moody's Rating: Aaa	489,830.40 102.0480	471,735.54 18,094.86	2.33	11,400.00 5,130.00
480,000.000	Federal Home Loan Bks 1.850 08/15/2022 3130AC5A8 Standard & Poors Rating: AA+ Moody's Rating: Aaa	484,617.60 100.9620	479,339.13 5,278.47	1.83	8,880.00 3,354.67
1,400,000.000	U S Treasury Note 0.750 03/31/2026 91282CBT7 Standard & Poors Rating: N/A Moody's Rating: Aaa	1,373,428.00 98.1020	1,395,879.83 - 22,451.83	0.76	10,500.00 2,697.51
	Total US Government Issues	\$2,827,928.80	\$2,826,526.34		\$40,380.00
			\$1,402.46		\$15,875.51
	Total Taxable Bonds	\$2,827,928.80	\$2,826,526.34		\$40,380.00
			\$1,402.46		\$15,875.51
	Total Assets	\$3,356,845.79	\$3,355,443.33		\$40,411.66
			\$1,402.46		\$15,878.20
	Accrued Income	\$15,878.20	\$15,878.20		
	Grand Total	\$3,372,723.99	\$3,371,321.53		





**TRI-DAM PROJECT REVENUE & OPERATING
FUND**

This statement is for the period from
December 1, 2021 to December 31, 2021

ASSET DETAIL MESSAGES

Time of trade execution and trading party (if not disclosed) will be provided upon request.

Publicly traded assets are valued in accordance with market quotations or valuation methodologies from financial industry services believed by us to be reliable. Assets that are not publicly traded may be reflected at values from other external sources. Assets for which a current value is not available may be reflected at a previous value or as not valued, at par value, or at a nominal value. Values shown do not necessarily reflect prices at which assets could be bought or sold. Values are updated based on internal policy and may be updated less frequently than statement generation.

For further information, please contact your account manager or relationship manager.



**TRI-DAM PROJECT REVENUE & OPERATING
FUND**

This statement is for the period from
December 1, 2021 to December 31, 2021

MARKET VALUE SUMMARY

	Current Period 12/01/21 to 12/31/21	Year-to-Date 01/01/21 to 12/31/21
Beginning Market Value	\$3,378,108.80	\$3,387,412.06
Taxable Interest	2.60	51,652.59
Fees and Expenses	- 83.33	- 999.96
Long Term Gains/Losses	1.86	- 14,949.74
Change in Investment Value	- 8,695.20	- 45,525.83
Change in Accrued Income	3,389.26	- 4,865.13
Ending Market Value	\$3,372,723.99	\$3,372,723.99





**TRI-DAM PROJECT REVENUE & OPERATING
FUND**

This statement is for the period from
December 1, 2021 to December 31, 2021

CASH SUMMARY

	Income Cash	Principal Cash	Total Cash
Beginning Cash 12/01/2021	\$2,171,268.19	- \$2,171,268.19	\$0.00
Taxable Interest	2.60		2.60
Fees and Expenses		- 83.33	- 83.33
Capital Gain Distributions	1.86		1.86
Net Money Market Activity		78.87	78.87
Ending Cash 12/31/2021	\$2,171,272.65	- \$2,171,272.65	\$0.00



TRI-DAM PROJECT REVENUE & OPERATING FUND

This statement is for the period from
December 1, 2021 to December 31, 2021

TAX COST SUMMARY

	Income	Principal
Beginning Balance 12/01/2021	\$2,171,268.19	\$1,184,254.01
Receipts		
Taxable Interest	2.60	
Total Receipts	\$2.60	\$0.00
Disbursements		
Fees and Expenses		- 83.33
Total Disbursements	\$0.00	- \$83.33
Asset Changes		
Long Term Gains/Losses	1.86	
Total Asset Changes	\$1.86	\$0.00
Ending Balance 12/31/2021	\$2,171,272.65	\$1,184,170.68
Total Portfolio	\$3,355,443.33	





**TRI-DAM PROJECT REVENUE & OPERATING
FUND**

This statement is for the period from
December 1, 2021 to December 31, 2021

TRANSACTION DETAIL

Date Posted	Description	Income Cash	Principal Cash	Tax Cost
	Beginning Balance 12/01/2021	\$2,171,268.19	- \$2,171,268.19	\$3,355,522.20
12/01/21	Interest Earned On First Am Govt Ob Fd Cl Y Interest From 11/1/21 To 11/30/21 31846V203	2.60		
12/23/21	Trust Fees Collected Charged For Period 11/01/2021 Thru 11/30/2021		- 83.33	
12/29/21	Cash Receipt Short-Term Capital Gain Div First Am Govt Ob Fd Cl Y Stcg Payable 12/29/21 31846V203	1.86		
	Combined Purchases For The Period 12/ 1/21 - 12/31/21 Of First Am Govt Ob Fd Cl Y 31846V203		- 4.46	4.46
	Combined Sales For The Period 12/ 1/21 - 12/31/21 Of First Am Govt Ob Fd Cl Y 31846V203		83.33	- 83.33
	Ending Balance 12/31/2021	\$2,171,272.65	- \$2,171,272.65	\$3,355,443.33



TRI-DAM PROJECT REVENUE & OPERATING FUND

This statement is for the period from
 December 1, 2021 to December 31, 2021

BOND SUMMARY

	Par Value	Market Value	% of Category
MATURITY			
2021	.00	.00	.00
2022	960,000.00	964,670.40	34.12
2023	480,000.00	489,830.40	17.32
2024	.00	.00	.00
2025	.00	.00	.00
2026	1,400,000.00	1,373,428.00	48.56
Total of Category	\$2,840,000.00	\$2,827,928.80	100.00
MOODY'S RATING			
Aaa	2,840,000.00	2,827,928.80	100.00
Total of Category	\$2,840,000.00	\$2,827,928.80	100.00
S&P RATING			
AA+	1,440,000.00	1,454,500.80	51.43
N/A	1,400,000.00	1,373,428.00	48.57
Total of Category	\$2,840,000.00	\$2,827,928.80	100.00

BOND SUMMARY MESSAGES

Data contained within this section excluded Mutual Funds, Exchange Traded Funds, and Closed-Ended Funds.





TRI-DAM PROJECT MAINTENANCE FUND

This statement is for the period from
December 1, 2021 to December 31, 2021



TRI-DAM PROJECT
ATTN: BRIAN JARUSZEWSKI
PO BOX 1158
PINECREST, CA 95364-0158

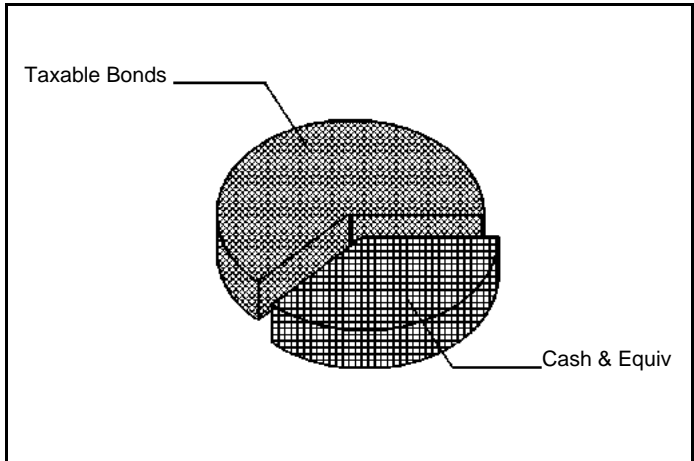
QUESTIONS?

If you have any questions regarding
your account or this statement, please
contact your Account Manager.

CRAIG SEBASTIAN
CN-OH-W5IT
CN-OH-W5IT
425 WALNUT STREET
CINCINNATI OH 45202
Phone 513-632-2084
E-mail craig.sebastian@usbank.com

ASSET SUMMARY AS OF 12/31/21

Assets	Current Period Market Value	% of Total	Est Annual Income
Cash & Equivalents	2,281,042.07	36.60	136.54
Taxable Bonds	3,934,603.20	63.00	73,566.25
Accrued Income	22,823.65	.40	.00
Total Market Value	\$6,238,468.92	100.00	\$73,702.79



ASSET DETAIL

Shares or Face Amount	Security Description	Market Value/ Price	Tax Cost/ Unrealized Gain(Loss)	Yield at Market	Est Annual Inc/ Accrued Inc
Cash & Equivalents					
Cash/Money Market					
2,281,042.070	First American Government Oblig Fd Cl Y #3763 31846V203	2,281,042.07 1.0000	2,281,042.07 0.00	0.01	136.54 11.57
Total Cash/Money Market		\$2,281,042.07	\$2,281,042.07 \$.00		\$136.54 \$11.57
Cash					



TRI-DAM PROJECT MAINTENANCE FUND

This statement is for the period from
 December 1, 2021 to December 31, 2021

ASSET DETAIL (continued)

Shares or Face Amount	Security Description	Market Value/ Price	Tax Cost/ Unrealized Gain(Loss)	Yield at Market	Est Annual Inc/ Accrued Inc
	Principal Cash	- 2,649,991.22	- 2,649,991.22		
	Income Cash	2,649,991.22	2,649,991.22		
	Total Cash	\$0.00	\$0.00 \$0.00		\$0.00 \$0.00
Total Cash & Equivalents		\$2,281,042.07	\$2,281,042.07 \$0.00		\$136.54 \$11.57
Taxable Bonds					
US Government Issues					
720,000.000	F N M A 2.000 01/05/2022 3135G0S38 Standard & Poors Rating: AA+ Moody's Rating: Aaa	720,079.20 100.0110	716,347.20 3,732.00	2.00	14,400.00 7,040.00
755,000.000	F N M A Deb 2.375 01/19/2023 3135G0T94 Standard & Poors Rating: AA+ Moody's Rating: Aaa	770,462.40 102.0480	741,502.50 28,959.90	2.33	17,931.25 8,069.06
700,000.000	Federal Farm Credit Bks 2.890 06/19/2023 3133EJSD2 Standard & Poors Rating: AA+ Moody's Rating: Aaa	726,019.00 103.7170	692,923.00 33,096.00	2.79	20,230.00 674.33
730,000.000	Federal Home Loan Bks 1.850 08/15/2022 3130AC5A8 Standard & Poors Rating: AA+ Moody's Rating: Aaa	737,022.60 100.9620	724,149.40 12,873.20	1.83	13,505.00 5,101.89
1,000,000.000	U S Treasury Note 0.750 03/31/2026 91282CBT7 Standard & Poors Rating: N/A Moody's Rating: Aaa	981,020.00 98.1020	997,057.02 - 16,037.02	0.76	7,500.00 1,926.80
Total US Government Issues		\$3,934,603.20	\$3,871,979.12 \$62,624.08		\$73,566.25 \$22,812.08
Total Taxable Bonds		\$3,934,603.20	\$3,871,979.12 \$62,624.08		\$73,566.25 \$22,812.08
Total Assets		\$6,215,645.27	\$6,153,021.19 \$62,624.08		\$73,702.79 \$22,823.65
Accrued Income		\$22,823.65	\$22,823.65		
Grand Total		\$6,238,468.92	\$6,175,844.84		





TRI-DAM PROJECT MAINTENANCE FUND

This statement is for the period from
December 1, 2021 to December 31, 2021

ASSET DETAIL MESSAGES

Time of trade execution and trading party (if not disclosed) will be provided upon request.

Publicly traded assets are valued in accordance with market quotations or valuation methodologies from financial industry services believed by us to be reliable. Assets that are not publicly traded may be reflected at values from other external sources. Assets for which a current value is not available may be reflected at a previous value or as not valued, at par value, or at a nominal value. Values shown do not necessarily reflect prices at which assets could be bought or sold. Values are updated based on internal policy and may be updated less frequently than statement generation.

For further information, please contact your account manager or relationship manager.



TRI-DAM PROJECT MAINTENANCE FUND

This statement is for the period from
December 1, 2021 to December 31, 2021

MARKET VALUE SUMMARY

	Current Period 12/01/21 to 12/31/21	Year-to-Date 01/01/21 to 12/31/21
Beginning Market Value	\$6,241,104.41	\$5,498,418.07
Taxable Interest	10,126.17	94,982.56
Fees and Expenses	- 83.33	- 999.96
Cash Receipts		750,000.00
Long Term Gains/Losses	8.03	- 9,548.97
Change in Investment Value	- 8,719.55	- 86,707.47
Change in Accrued Income	- 3,966.81	- 7,675.31
Ending Market Value	\$6,238,468.92	\$6,238,468.92





TRI-DAM PROJECT MAINTENANCE FUND

This statement is for the period from
December 1, 2021 to December 31, 2021

CASH SUMMARY

	Income Cash	Principal Cash	Total Cash
Beginning Cash 12/01/2021	\$2,639,857.02	- \$2,639,857.02	\$.00
Taxable Interest	10,126.17		10,126.17
Fees and Expenses		- 83.33	- 83.33
Capital Gain Distributions	8.03		8.03
Net Money Market Activity		- 10,050.87	- 10,050.87
Ending Cash 12/31/2021	\$2,649,991.22	- \$2,649,991.22	\$0.00



TRI-DAM PROJECT MAINTENANCE FUND

This statement is for the period from
December 1, 2021 to December 31, 2021

TAX COST SUMMARY

	Income	Principal
Beginning Balance 12/01/2021	\$2,639,857.02	\$3,503,113.30
Receipts		
Taxable Interest	10,126.17	
Total Receipts	\$10,126.17	\$.00
Disbursements		
Fees and Expenses		- 83.33
Total Disbursements	\$.00	- \$83.33
Asset Changes		
Long Term Gains/Losses	8.03	
Total Asset Changes	\$8.03	\$.00
Ending Balance 12/31/2021	\$2,649,991.22	\$3,503,029.97
Total Portfolio	\$6,153,021.19	





TRI-DAM PROJECT MAINTENANCE FUND

This statement is for the period from
December 1, 2021 to December 31, 2021

TRANSACTION DETAIL

Date Posted	Description	Income Cash	Principal Cash	Tax Cost
	Beginning Balance 12/01/2021	\$2,639,857.02	- \$2,639,857.02	\$6,142,970.32
12/01/21	Interest Earned On First Am Govt Ob Fd Cl Y Interest From 11/1/21 To 11/30/21 31846V203	11.17		
12/20/21	Interest Earned On F F C B Deb 2.890% 6/19/23 0.01445 USD/\$1 Pv On 700,000 Par Value Due 12/19/21 3133EJSD2	10,115.00		
12/23/21	Trust Fees Collected Charged For Period 11/01/2021 Thru 11/30/2021		- 83.33	
12/29/21	Cash Receipt Short-Term Capital Gain Div First Am Govt Ob Fd Cl Y Stcg Payable 12/29/21 31846V203	8.03		
	Combined Purchases For The Period 12/ 1/21 - 12/31/21 Of First Am Govt Ob Fd Cl Y 31846V203		- 10,134.20	10,134.20
	Combined Sales For The Period 12/ 1/21 - 12/31/21 Of First Am Govt Ob Fd Cl Y 31846V203		83.33	- 83.33
	Ending Balance 12/31/2021	\$2,649,991.22	- \$2,649,991.22	\$6,153,021.19



TRI-DAM PROJECT MAINTENANCE FUND

This statement is for the period from
December 1, 2021 to December 31, 2021

BOND SUMMARY

	Par Value	Market Value	% of Category
MATURITY			
2021	.00	.00	.00
2022	1,450,000.00	1,457,101.80	37.04
2023	1,455,000.00	1,496,481.40	38.03
2024	.00	.00	.00
2025	.00	.00	.00
2026	1,000,000.00	981,020.00	24.93
Total of Category	\$3,905,000.00	\$3,934,603.20	100.00
MOODY'S RATING			
Aaa	3,905,000.00	3,934,603.20	100.00
Total of Category	\$3,905,000.00	\$3,934,603.20	100.00
S&P RATING			
AA+	2,905,000.00	2,953,583.20	75.07
N/A	1,000,000.00	981,020.00	24.93
Total of Category	\$3,905,000.00	\$3,934,603.20	100.00

BOND SUMMARY MESSAGES

Data contained within this section excluded Mutual Funds, Exchange Traded Funds, and Closed-Ended Funds.



California State Treasurer *Fiona Ma, CPA*



Local Agency Investment Fund
P.O. Box 942809
Sacramento, CA 94209-0001
(916) 653-3001

January 12, 2022

[LAIF Home](#)
[PMIA Average Monthly Yields](#)

JPA TRI-DAM PROJECT

CHIEF FINANCIAL OFFICER
P.O. BOX 1158
PINECREST, CA 95364-0158

[Tran Type Definitions](#)

//

December 2021 Statement

Account Summary

Total Deposit:	0.00	Beginning Balance:	5,847,453.74
Total Withdrawal:	0.00	Ending Balance:	5,847,453.74

Tri-Dam Project

Statement of Obligations

Period Covered

December 1, 2021 to December 31, 2021

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

One-Half Oakdale Irrigation District	\$ 370,439.41
One-Half South San Joaquin Irrigation Distict	\$ 370,439.42
Total Obligations	\$ 740,878.83

CERTIFICATION

OAKDALE IRRIGATION DISTRICT

Thomas D. Orvis

Ed Tobias

Linda Santos

Herman Doornenbal

Brad DeBoer

SOUTH SAN JOAQUIN IRRIGATION DISTRICT

John Holbrook

Robert A. Holmes

Dave Kamper

Glenn Spyksma

Mike Weststeyn

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

OAKDALE IRRIGATION DISTRICT
PRESIDENT,

Thomas D. Orvis

SECRETARY,

Steve Knell

Date

SOUTH SAN JOAQUIN IRRIGATION DISTRICT
PRESIDENT,

Robert A. Holmes

SECRETARY,

Peter M. Rietkerk

Date

Tri Dam Project Statement of Obligations

Period Covered

From To

December 1, 2021 to December 31, 2021

	<u>No. Chks.</u>	<u>Amount</u>
<u>Vendor Check Register Report</u> (Please see attached Check Listing)	78	\$408,940.50

Payrolls - Net Charges

<u>Pay Date</u>	<u>Type</u>	<u>Payroll Amount</u>	
9-Dec-22	Payroll	\$ 131,686.01	
16-Dec-22	Incentive Bonus	\$ 51,364.86	
16-Dec-22	ETO Payout	\$ 35,854.79	
23-Dec-22	Payroll	\$ 113,032.67	
Total Net Payroll		\$ 331,938.33	\$ 331,938.33

Total Disbursements for the Period	\$740,878.83
---	---------------------

Distribution Between Districts ~

Oakdale Irrigation District	\$ 370,439.41
South San Joaquin Irrigation District	\$ 370,439.42

Total Districts	\$ 740,878.83
------------------------	----------------------

Project

December Checks by Amount



Check Number	Vendor No	Vendor Name	Check Date	Description	Amount
128403	10813	ACWA Joint Powers Insurance Authority	12/08/2021	Health Benefits - November	65,936.00
128454	10813	ACWA Joint Powers Insurance Authority	12/22/2021	Health Benefits - December	61,674.89
128400	10754	US Geological Survey	12/03/2021	Annual Streamgaging Fees	59,050.00
128385	10124	CA Dept of Tax & Fee Administration	12/03/2021	Annual Water Rights Fees	35,271.40
128410	10815	Cal PERS System	12/14/2021	EE/ER Retirement Plan	16,506.43
128405	10815	Cal PERS System	12/08/2021	EE/ER Retirement Plan	16,346.69
128456	10815	Cal PERS System	12/22/2021	EE/ER Retirement Plan	16,140.18
128450	10755	USDA Forest Service	12/17/2021	Mt. Eliz. & Strawberry Peak - Special Use Permit	13,427.66
128413	11389	Paris Kincaid Wasiewski	12/16/2021	Legal matters	12,430.00
128414	11343	Tim O'Laughlin, PLC	12/16/2021	Legal matters	11,935.00
128426	10900	Chase Cardmember Service	12/17/2021	Fuel, deeds, meals, misc. parts, small tools, postage	9,511.06
128416	10993	Dillon and Murphy Consulting Civil Engin	12/16/2021	Annual Dam Monitoring	7,000.00
128432	10294	FISHBIO Environmental LLC	12/17/2021	Fish Studies	5,751.08
128435	11049	Hunt & Sons, Inc.	12/17/2021	Fuel	5,622.41
128447	11385	Stephens Mechanical Corp.	12/17/2021	Beardsley PRV Inspection	5,232.50
128393	10514	Pacific Gas & Electric Co.	12/03/2021	Utilities	4,818.05
128452	10954	YSI Incorporated	12/17/2021	Abay Air Dryer, Bubbler & Orifice Kit	4,728.14
128458	10812	Nationwide Retirement Solution	12/22/2021	EE Supl Retirement Plan	4,524.34
128412	10812	Nationwide Retirement Solution	12/14/2021	EE Supl Retirement Plan	4,313.30
128407	10812	Nationwide Retirement Solution	12/08/2021	EE Supl Retirement Plan	4,311.90
128421	10067	AT&T - SBC - Pac Bell	12/17/2021	Telephone	3,763.97
128423	10815	Cal PERS System	12/17/2021	EE/ER Retirement Plan	3,061.92
128394	10618	Sierra Motors	12/03/2021	Vehicle Repairs - Deer Damage 20-4	3,014.58
128419	11393	David N. Anderson	12/17/2021	Tulloch Performance Deposit Refund	3,000.00
128427	10935	Data Path, Inc.	12/17/2021	Network Support	2,708.00
128420	11244	Arthur J. Gallagher & Co.	12/17/2021	Workers Compensation	2,334.00
128459	10663	Standard Insurance Co.	12/22/2021	Short/Long Disability	1,492.01
128408	10663	Standard Insurance Co.	12/08/2021	Short/Long Disability	1,491.43
128431	11048	Fastenal (Vending)	12/17/2021	Misc. Supplies	1,476.07
128442	11274	PAR Environmental Services, Inc.	12/17/2021	Cultural Resource Monitoring	1,427.05
128406	10811	IBEW	12/08/2021	EE Union Dues	1,298.24
128411	10811	IBEW	12/14/2021	EE Union Dues	1,298.24
128457	10811	IBEW	12/22/2021	EE Union Dues	1,298.24
128441	11353	Nates Saw and Mower, LLC	12/17/2021	Chainsaw	1,198.38
128418	10013	Acme Rigging and Supply Co. Inc.	12/17/2021	Snow chains 08-3	1,017.94
128439	10439	McMaster-Carr Supply Co.	12/17/2021		971.58
128437	10402	Kamps Propane	12/17/2021		950.16
128404	10183	Cal PERS S457 Plan	12/08/2021		925.00
128409	10183	Cal PERS S457 Plan	12/14/2021		925.00
128455	10183	Cal PERS S457 Plan	12/22/2021		925.00
128396	10904	Sonora Ford	12/03/2021		896.29
128389	10320	General Supply Co.	12/03/2021		758.73
128428	10225	Debco Automotive Supply Inc.	12/17/2021		751.61
128388	10227	Del Oro Water Co. Inc.	12/03/2021		596.27
128424	11010	Calaveras County Water District	12/17/2021		526.30
128417	11350	Calaveras County Public Works	12/14/2021		500.00
128429	11237	Dell Financial Services LLC	12/17/2021		482.56
128446	10665	Staples	12/17/2021		455.35
128382	10011	ADS LLC	12/03/2021		366.87
128433	10938	Great America Financial Svcs.	12/17/2021		358.42
128440	10466	Mountain Oasis Water Systems & Btl Co L	12/17/2021		354.05

128451	10776	Waste Mgmt of Cal Sierra Inc.	12/17/2021		322.80
128397	11005	Sonora Lumber Company	12/03/2021		296.55
128445	10904	Sonora Ford	12/17/2021		288.46
128430	11286	Digital Telecommunications Corp.	12/17/2021		252.50
128390	10846	H & S Parts & Service	12/03/2021		241.50
128391	11049	Hunt & Sons, Inc.	12/03/2021		236.36
128384	11392	Ben Brady	12/03/2021	PPE Boot Reimbursement	212.30
128395	10933	Smile Business Products	12/03/2021		208.66
128444	10933	Smile Business Products	12/17/2021		194.19
128398	11075	Sonora Tool	12/03/2021		183.11
128438	10879	Lowe's	12/17/2021		170.13
128402	11267	Jarom Zimmerman	12/03/2021	Fuel & Meal Reimbursement	146.08
128383	11086	Benefit Resource, Inc.	12/03/2021		137.50
128386	10154	Calaveras Telephone Co.	12/03/2021		109.44
128401	11258	Verizon	12/03/2021		109.09
128387	10185	Clark Pest Control - Termite	12/03/2021		107.00
128443	11001	Rexel USA	12/17/2021		92.03
128415	11169	Liebert Cassidy Whitmore	12/16/2021		76.00
128449	10749	UPS	12/17/2021		68.78
128434	10846	H & S Parts & Service	12/17/2021		66.35
128436	10399	JS West Propane Gas	12/17/2021		64.24
128448	10718	Tractor Supply Credit Plan	12/17/2021		56.83
128399	10749	UPS	12/03/2021		51.02
128453	10168	Petty Cash	12/20/2021		42.52
128425	10986	Cal-Waste Recovery Systems, LLC	12/17/2021		25.49
128422	10866	AT&T Teleconference Services	12/17/2021		17.75
128392	11147	Pacific Gas & Electric	12/03/2021		9.53

Report Total: \$ 408,940.50

BOARD AGENDA REPORT

Date: 1/20/2022
Staff: Brian Jaruszewski

SUBJECT: Tri-Dam Project 2022 Investment Policy

RECOMMENDED ACTION: Recommend approval of Tri-Dam Project 2022 Investment Policy

BACKGROUND AND/OR HISTORY:

Annually, the Investment Policy for Tri-Dam Project is reviewed and updated as appropriate, and presented to the Board for approval. The Investment Policy details the underlying investment principles (Safety of Principal, Liquidity, and Yield), and is adopted in accordance with California Government Code §53607. This includes the delegation of authority to invest surplus funds to the Finance and Administrative Manager (“Treasurer”) for a one-year period.

The Investment Policy identifies the authorized Institutions to act as custodian of funds and securities for Tri-Dam, and the approved securities brokers / dealers.

Additionally, the Policy enumerates the types of investments that are authorized, in alignment with California Government Code §53601.

FISCAL IMPACT: N/A

ATTACHMENTS: Draft Tri-Dam Project 2022 Investment Policy

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

Policy Manual

POLICY TITLE: INVESTMENT POLICY
POLICY NUMBER: 2022-01

For the Year Ending December 31, 2022

1. **PURPOSE:** This policy sets forth Tri-Dam Project's ("Tri-Dam" or "Project") objectives, risk preferences, authorized instruments, and other requirements and interests for investing its funds. This investment policy is intended to promote a disciplined approach to investing, to provide accountability for Project management, and to promote public trust in the Project's investing practices.
2. **SCOPE:** This policy applies to the investment of all funds of the Project, including operating and capital improvement funds and reserves. There are exceptions to some provisions of the policy for certain proceeds of bond funds because the provisions in a bond indenture dealing with investment of certain proceeds, such as a debt service reserve, are typically more restrictive than this policy. For example, the indenture may specify the trustee of invested proceeds, or may specify the eligible securities. Accordingly, proceeds of Project debt are to be invested in accordance with the controlling resolution, indenture, or agreement.

The Project does not invest the funds of other districts or public agencies.

3. **DELEGATION:** In accordance with California Government Code §53607, the Board of Directors, which is the legislative body of the Project, delegates to the Finance and Administrative Manager ("Treasurer") full authority to invest and reinvest the money of the Project, and to sell or exchange securities, for the year ending December 31, 2022. The full text of §53607 is quoted below:

"The authority of the legislative body to invest or to reinvest funds of a local agency, or to sell or exchange securities so purchased, may be delegated for a one-year period by the legislative body to the treasurer of the local agency, who shall thereafter assume full responsibility for those transactions until the delegation of authority is revoked or expires, and shall make a monthly report of those transactions to the legislative body. Subject to review, the legislative body may renew the delegation of authority pursuant to this section each year."

4. **ADOPTION AND DURATION:** This policy is valid for one year and must be reviewed and approved by the Board of Directors annually in a public meeting. The term of this policy is the year ending December 31, 2022.

Amendments to this policy must follow the same process as adoption of this policy.

5. **OBJECTIVES:** The primary objectives are, in order of priority: safety of principal, liquidity,

Draft: January 20, 2022

Prior Approval: January 21, 2021

and yield. It is not possible to simultaneously maximize safety, liquidity, and yield; nor is it possible to maximize any one of these three objectives without disregarding one or both of the other two. Therefore, this policy seeks an appropriate balance of these three objectives by prioritizing them. A secondary objective may be local benefit, when such opportunity arises.

Safety of Principal

Safety of principal is the foremost objective. Investing shall be undertaken in a manner that seeks to avoid loss of principal on the portfolio as a whole. This shall be accomplished by controlling exposure to credit and interest rate risks.

Credit risk is the risk of loss due to the failure of the security issuer or guarantor. Credit risk will be mitigated by:

- a) Limiting investments to the types of instruments listed in Section 11 of this policy,
- b) Prequalifying the financial institutions, brokers, dealers, intermediaries, and advisors who will participate in the Project's investing, and
- c) Diversifying the investment portfolio so the impact of losses from any single type of security or any one issuer is minimized.

Interest rate risk is the risk that the market value of securities will fall due to changes in market rates of interest. Interest rate risk will be mitigated by:

- d) Planning to hold securities to maturity by purchasing securities with maturity dates that do not exceed expected future cash requirements,
- e) Investing operating funds in short term securities, money market funds, the Local Agency Investment Fund, and other investment funds and pools with similar liquidity, and
- f) Limiting the average maturity of the portfolio in accordance with Section 10 of this policy.

Liquidity

The investment portfolio shall remain sufficiently liquid to meet all cash requirements of Tri-Dam that may be reasonably anticipated. This may be accomplished by planning the maturities of investments to match expected dates of future occasions when it will be necessary to supplement the Project's cash balances and/or distribute funds to the Districts. This may also be accomplished by laddering maturities in order to ensure that a steady and consistent portion of the portfolio is always nearing maturity. Furthermore, since it is not feasible to anticipate all possible future cash needs, the portfolio shall consist largely of securities with active secondary markets, and deposits with money market funds, or the Local Agency Investment Fund, and other investment funds and pools with similar liquidity.

Yield

Because pursuit of yield is subordinate to safety of principal and to liquidity, and because yield is always a function of the degrees of risk and liquidity assumed, the Project's objective

is to attain a rate of return which approximates the prevailing market yield for the types of investments in the portfolio. The Project seeks a market yield commensurate with the fact that the preponderance of the portfolio is in low risk, liquid investments. Predictability of yield will be enhanced by purchasing securities with the intent of holding them to maturity. Securities may be sold before their maturity in the following circumstances:

- g) An investment with an increasing credit risk may be sold early to reduce possible loss of principal,
- h) If a security swap would improve the quality, yield, or target duration of the portfolio, or
- i) Liquidity needs of the portfolio require the security to be sold.

6. **AUTHORIZED INSTITUTIONS:** U.S. Bank is specifically authorized as Tri-Dam's custodian for funds and securities held in Tri-Dam's 1) Maintenance Reserve, and 2) Revenue/Operating Reserve. The custodian is independent of all broker/dealers.

Approved broker/dealers are listed in Exhibit A.

In addition to U.S. Bank, Oak Valley Community Bank and the State of California Local Agency Investment Fund are authorized depositories and custodians.

7. **ETHICAL STANDARDS:** The "prudent person" standard is the standard of care to be used in managing the overall portfolio. According to the Government Finance Officers Association, the prudent person standard states that, "Investments shall be made with judgment and care, under circumstances then prevailing, which persons of prudence, discretion, and intelligence exercise in the management of their own affairs, not for speculation, but for investment, considering the probable safety of their capital as well as the probable income to be derived."

Officers and employees involved in the investment process shall refrain from personal business activity that could conflict with the proper execution and management of the investment program, or that could impair their ability to make impartial decisions. Employees and investment officials shall disclose any material interests in financial institutions with which they conduct business. They shall further disclose any personal financial/investment positions that could be related to the performance of the investment portfolio. Employees and officers shall refrain from undertaking personal investment transactions with the same individuals with whom business is conducted on behalf of the District.

8. **INTERNAL CONTROLS:** The Treasurer is responsible for establishing and maintaining a system of internal control over investment activities. The generally accepted definition of internal control is provided by COSO (The Committee of Sponsoring Organizations of the Treadway Commission):

Internal control is a process, effected by an entity's board of directors, management and other personnel, designed to provide reasonable assurance regarding the achievement of objectives in the following categories:

- a) *Effectiveness and efficiency of operations*
- b) *Reliability of financial reporting*
- c) *Compliance with applicable laws and regulations*

The primary internal control measure over investing is this policy. The first objective in the definition (effectiveness and efficiency of operations) includes safeguarding of assets, which addresses one of the most important risks in investing: loss through theft, fraud, or undue investment risks. Although a perfect system of internal control is not possible because of limited personnel and other resources, the Treasurer will establish internal control measures to the extent practicable. Those measures will be designed to address:

- d) Risk of collusion
- e) Potential conflict between transaction authority versus accounting and reporting responsibilities
- f) Custodial safekeeping
- g) Avoidance of physical delivery of securities
- h) Clear delegation of authority to subordinate staff members
- i) Written confirmations for transactions
- j) Dual authorizations of wire transfers
- k) Reporting of investing results
- l) Limitations on permissible investments
- m) Ethical standards
- n) Mitigation of investment risks

All securities transactions not executed by an outside investment advisor are also subject to the following controls:

- o) All security purchases and sales will require the approval of the Finance Manager and the General Manager,
- p) All purchases and sales will be settled delivery versus payment through a third party safekeeping agent,
- q) All purchases and sales will require competing quotes from at least two independent broker/dealers, and
- r) Tri-Dam will retain at least three approved broker/dealers.

The annual audit will include a report on internal controls.

9. REPORTING: The Treasurer will make a monthly report to the General Manager and the Board of Directors describing all investing transactions for the one-month period as required by California Government Code §53607. The Treasurer will also make a quarterly report to the General Manager and the Directors. The minimum content required of the quarterly report is established by California Government Code §53646(b). Accordingly, the quarterly report shall include for each investment:

- a) Type of instrument
- b) Issuer
- c) Maturity date
- d) Par value

- e) Cost
- f) Credit rating at the time of the report
- g) Market value (except investments in LAIF)
- h) Source of the market valuation
- i) Description of any funds or investments under the management of outside parties such as LAIF

In addition to the minimum required content, the quarterly report will also include a statement of compliance of the portfolio to this investment policy, any deviations from full compliance, and a statement of the Project's ability to fund expenditures for the next six months. If the Project is unable to fund expenditures for the next six months, an explanation of why funds will or may be insufficient must also be included.

10. RISK MITIGATION: The overall investment portfolio will be managed to mitigate credit risk, market risk, and liquidity risk. To better manage liquidity, the overall portfolio is divided into two segments:

- a) Cashflow Supplement: An ongoing source of ready liquidity to supply cashflow for operations and capital expenditures.
- b) Reserves: Funds not needed for current cashflow.

The allocation of the portfolio between these two segments will be reconsidered quarterly in view of anticipated cash flow requirements. Resulting adjustments to the liquidity of the portfolio will be made as soon as practicable with due consideration to the other primary objectives of safety of principal and yield.

The cashflow supplement segment shall be invested in LAIF, U.S. Treasury bills, federal agency discount notes, or other instruments, which are cash and cash equivalent investments allowed by Section 11 of this policy. Cash and cash equivalents are generally certain investments with a maturity of less than three months including bank deposits, money market funds, LAIF, U.S. Treasury bills, Federal Agency discount notes, and other highly liquid, short-duration products. Any amount of the supplement segment of the portfolio may be invested in LAIF.

To the extent that the portfolio is not invested in LAIF, the portfolio will comply with the following risk mitigation measures:

- c) The Project follows a passive investment strategy, which means Project personnel are not required to make an active effort to analyze and predict the future with respect to interest rates, market perceptions, or changes in the yield curve. While this can result in lower yields, it provides some protection against losses due to market timing errors that can result from active management.
- d) The Project follows a buy and hold strategy where securities are purchased with the intent to hold them to maturity. This provides protection against interest rate risk.
- e) The Project may diversify maturities by following a laddering strategy where roughly equal portions of the reserve segment are allotted to each of several maturities subject to the maturity restrictions in items g) and h) below. A laddered portfolio provides a

regular source of liquidity through its schedule of maturities, averages the effects of changing interest rates, and provides some protection from reinvestment risk. The schedule of maturities should be modified as necessary to meet anticipated future cash needs. The laddering strategy may be adjusted based upon to anticipated cash flow requirements or yield curve trends.

- f) As required by state law, deposits in banks, thrift institutions, and credit unions will be collateralized for the portion of the balance that exceeds federal deposit insurance.
- g) The maturity of any single security will not exceed 5 years at the time of investment.
- h) The dollar weighted average maturity of the entire portfolio will not exceed 3 years.
- i) The Project diversifies the types of investments by not exceeding the maximum percentage of the entire portfolio allowed by California Government Code §53601 for each investment type as enumerated in Section 11 of this policy.
- j) The Project mitigates credit risk by not exceeding the maximum percentage of a creditor's total issuance allowed by California Government Code §53601 and detailed in Section 11 of this policy.

11. AUTHORIZED INVESTMENTS: The following partially edited excerpt from the California Government Code §53601 enumerates the investments authorized for the Project.

Begin Excerpt.

- (a) Bonds issued by the local agency, including bonds payable solely out of the revenues from a revenue-producing property owned, controlled, or operated by the local agency or by a department, board, agency, or authority of the local agency.
- (b) United States Treasury notes, bonds, bills, or certificates of indebtedness, or those for which the faith and credit of the United States are pledged for the payment of principal and interest.
- (c) Registered state warrants or treasury notes or bonds of this state, including bonds payable solely out of the revenues from a revenue-producing property owned, controlled, or operated by the state or by a department, board, agency, or authority of the state.
- (d) Registered treasury notes or bonds of any of the other 49 states in addition to California, including bonds payable solely out of the revenues from a revenue-producing property owned, controlled, or operated by a state or by a department, board, agency, or authority of any of the other 49 states, in addition to California.
- (e) Bonds, notes, warrants, or other evidences of indebtedness of a local agency within this state, including bonds payable solely out of the revenues from a revenue-producing property owned, controlled, or operated by the local agency, or by a department, board, agency, or authority of the local agency.
- (f) Federal agency or United States government-sponsored enterprise obligations, participations, or other instruments, including those issued by or fully guaranteed as to principal and interest by federal agencies or United States government-sponsored enterprises.
- (h) Commercial paper of "prime" quality of the highest ranking or of the highest letter and number rating as provided for by a nationally recognized statistical rating organization (NRSRO). The entity that issues the commercial paper shall meet all of the following conditions in either paragraph (1) or (2):

Draft: January 20, 2022

Prior Approval: January 21, 2021

- (1) The entity meets the following criteria:
- (A) Is organized and operating in the United States as a general corporation.
 - (B) Has total assets in excess of five hundred million dollars (\$500,000,000).
 - (C) Has debt other than commercial paper, if any, that is rated in a rating category of "A" or its equivalent or higher by an NRSRO.

(2) The entity meets the following criteria:

- (A) Is organized within the United States as a special purpose corporation, trust, or limited liability company.
- (B) Has program-wide credit enhancements including, but not limited to, overcollateralization, letters of credit, or a surety bond.
- (C) Has commercial paper that is rated "A-1" or higher, or the equivalent, by an NRSRO.

Eligible commercial paper shall have a maximum maturity of 270 days or less. Local agencies, other than counties or a city and county, may invest no more than 25 percent of their moneys in eligible commercial paper. Local agencies, other than counties or a city and county, may purchase no more than 10 percent of the outstanding commercial paper of any single issuer. Counties or a city and county may invest in commercial paper pursuant to the concentration limits in subdivision (a) of Section 53635.

(i) Negotiable certificates of deposit issued by a nationally or state-chartered bank, a savings association or a federal association (as defined by Section 5102 of the Financial Code), a state or federal credit union, or by a federally licensed or state-licensed branch of a foreign bank. Purchases of negotiable certificates of deposit shall not exceed 30 percent of the agency's moneys that may be invested pursuant to this section. For purposes of this section, negotiable certificates of deposit do not come within Article 2 (commencing with Section 53630), except that the amount so invested shall be subject to the limitations of Section 53638. The legislative body of a local agency and the treasurer or other official of the local agency having legal custody of the moneys are prohibited from investing local agency funds, or funds in the custody of the local agency, in negotiable certificates of deposit issued by a state or federal credit union if a member of the legislative body of the local agency, or a person with investment decision-making authority in the administrative office manager's office, budget office, auditor-controller's office, or treasurer's office of the local agency also serves on the board of directors, or any committee appointed by the board of directors, or the credit committee or the supervisory committee of the state or federal credit union issuing the negotiable certificates of deposit.

(k) Medium-term notes, defined as all corporate and depository institution debt securities with a maximum remaining maturity of five years or less, issued by corporations organized and operating within the United States or by depository institutions licensed by the United States or any state and operating within the United States. Notes eligible for investment under this subdivision shall be rated in a rating category of "A" or its equivalent or better by an NRSRO. Purchases of medium-term notes shall not include other instruments authorized by this section and shall not exceed 30 percent of the agency's moneys that may be invested pursuant to this section.

(l) (1) Shares of beneficial interest issued by diversified management companies that invest in the securities and obligations as authorized by subdivisions (a) to (k), inclusive, and subdivisions (m) to (q), inclusive, and that comply with the investment restrictions of this article and Article 2 (commencing with Section 53630). However, notwithstanding these restrictions, a counterparty to a reverse repurchase agreement or securities lending agreement is not required to be a primary dealer of the Federal Reserve Bank of New York if the company's board of directors finds that the counterparty presents a minimal risk of default, and the value of the securities underlying a repurchase agreement or securities lending agreement may be 100 percent of the sales price if the securities are marked to market daily.

- (2) Shares of beneficial interest issued by diversified management companies that are money market funds registered with the Securities and Exchange Commission under the Investment Company Act of 1940 (15 U.S.C. Sec. 80a-1 et seq.).
- (3) If investment is in shares issued pursuant to paragraph (1), the company shall have met either of the following criteria:
- (A) Attained the highest ranking or the highest letter and numerical rating provided by not less than two NRSROs.
 - (B) Retained an investment adviser registered or exempt from registration with the Securities and Exchange Commission with not less than five years' experience investing in the securities and obligations authorized by subdivisions (a) to (k), inclusive, and subdivisions (m) to (q), inclusive, and with assets under management in excess of five hundred million dollars (\$500,000,000).
- (4) If investment is in shares issued pursuant to paragraph (2), the company shall have met either of the following criteria:
- (A) Attained the highest ranking or the highest letter and numerical rating provided by not less than two NRSROs.
 - (B) Retained an investment adviser registered or exempt from registration with the Securities and Exchange Commission with not less than five years' experience managing money market mutual funds with assets under management in excess of five hundred million dollars (\$500,000,000).
- (5) The purchase price of shares of beneficial interest purchased pursuant to this subdivision shall not include commission that the companies may charge and shall not exceed 20 percent of the agency's moneys that may be invested pursuant to this section. However, no more than 10 percent of the agency's funds may be invested in shares of beneficial interest of any one mutual fund pursuant to paragraph (1).
- (m) Moneys held by a trustee or fiscal agent and pledged to the payment or security of bonds or other indebtedness, or obligations under a lease, installment sale, or other agreement of a local agency, or certificates of participation in those bonds, indebtedness, or lease installment sale, or other agreements, may be invested in accordance with the statutory provisions governing the issuance of those bonds, indebtedness, or lease installment sale, or other agreement, or to the extent not inconsistent therewith or if there are no specific statutory provisions, in accordance with the ordinance, resolution, indenture, or agreement of the local agency providing for the issuance.
- (n) Notes, bonds, or other obligations that are at all times secured by a valid first priority security interest in securities of the types listed by Section 53651 as eligible securities for the purpose of securing local agency deposits having a market value at least equal to that required by Section 53652 for the purpose of securing local agency deposits. The securities serving as collateral shall be placed by delivery or book entry into the custody of a trust company or the trust department of a bank that is not affiliated with the issuer of the secured obligation, and the security interest shall be perfected in accordance with the requirements of the Uniform Commercial Code or federal regulations applicable to the types of securities in which the security interest is granted.

End Excerpt

If an investment of Tri-Dam becomes an unauthorized investment, management will seek to liquidate the unauthorized investment at the earliest opportunity that is consistent with the three primary objectives of safety of principal, liquidity, and yield.

END OF POLICY

Draft: January 20, 2022

Prior Approval: January 21, 2021

**EXHIBIT A
TRI-DAM INVESTMENT POLICY
APPROVED BROKER / DEALERS**

- 1. Vining Sparks IBG, L.P.**
- 2. Piper Sandler & Company**
- 3. Morgan Stanley**

DRAFT

BOARD AGENDA REPORT

Date: 1/20/2022
Staff: Brian Jaruszewski

SUBJECT: Tri-Dam Project Semi-Annual Distribution

RECOMMENDED ACTION: Recommend approval of Semi-Annual Distribution to Oakdale Irrigation District and South San Joaquin Irrigation District.

BACKGROUND AND/OR HISTORY:

In 2013, the Joint Boards adopted Tri-Dam Project Resolution 2013-01, which established the Maintenance Reserve and Operating Reserve target amounts at \$15 million and \$6 million, respectively.

Resolution 2013-01 further provided that semi-annually, in January and July, \$750,000 would be repaid to the Maintenance Reserve until the reserve was fully funded.

Finally, Resolution 2013-01 provided that semi-annually, in January and July, a distribution would be made to the Districts from all remaining available funds.

FISCAL IMPACT: See attached Distribution Worksheet

ATTACHMENTS: Tri-Dam Project 2022 Distribution Worksheet
Tri-Dam Project Resolution TDP 2022-02

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 January 2022 Distribution

1	Cash and Investments	6/30/2021	12/31/2021
2	Cash in Bank	8,162,667	10,632,126
3	LAIF	39,128	39,128
4	Self-Insurance Reserve (depleted in 2013)	-	-
5	Operating Reserve (market value)	3,369,296	3,356,846
6	Maintenance Reserve (market value)	11,167,569	12,063,099
7	Total Cash & Investments	22,738,660	26,091,199
8			
9	Less:		
10	Self-Insurance Reserve	-	-
11	Operating Reserve	(3,369,296)	(3,356,846)
12	Maintenance Reserve	(11,167,569)	(12,063,099)
13	Day-to-Day Operating Cash	(2,000,000)	(2,000,000)
14		(16,536,865)	(17,419,945)
15			
16	Available Funds	6,201,795	8,671,254
17	Less Repayment to Maintenance Reserve	(750,000)	(750,000)
18	Total District Distribution	5,451,795	7,921,254
19			
20	Distribution per District (rounded)	2,726,000	4,000,000

24	Total Distributions - Project					
25	2016	2017	2018	2019	2020	2021
26	15,918,176	32,773,000	21,119,000	18,252,000	25,142,000	13,452,000

28	Total Distributions - Authority					
29	-	1,384,000	7,383,000	4,868,000	6,439,000	2,504,000

31	Combined Distributions					
32	15,918,176	34,157,000	28,502,000	23,120,000	31,581,000	15,956,000

**TRI-DAM PROJECT RESOLUTION NO. TDP – 2022-02
OAKDALE IRRIGATION DISTRICT
SOUTH SAN JOAQUIN IRRIGATION DISTRICT**

**RESOLUTION AUTHORIZING
FUNDS DISTRIBUTION TO DISTRICTS**

BE IT RESOLVED, that the Joint Board of Directors of the Oakdale Irrigation District and the South San Joaquin Irrigation District (“Joint Boards” and “Districts”) meeting as the Joint Board of Directors of the Tri-Dam Project (Project) adopt this Resolution.

WHEREAS, the Joint Boards have adopted Tri-Dam Project Resolution 2013-01, dated January 17, 2013, “Resolution Re-establishing Tri-Dam Reserves & Semi-Annual Distributions” and,

WHEREAS, the Joint Boards have received and reviewed written information pertaining the amount of current financial reserves of Tri-Dam Project and,

WHEREAS, the Joint Boards finds that the requirements of Resolution 2013-01 have been met and,

WHEREAS, the Joint Boards finds that funds are being held by Tri-Dam Project that are in excess of the Project’s current and near-term business needs and,

WHEREAS, the Joint Boards finds that such excess funds may be more beneficially applied to District needs and requirements.

NOW THEREFORE BE IT RESOLVED that the Joint Boards of Directors

1. Determines that funds in the total amount of \$_____ are available for distribution to the Districts;
2. Directs that such distribution shall be made no later than January 31, 2022.
3. Directs the Tri-Dam Project General Manager and Finance Manager to make such distribution, one-half to each District, in a time and manner as is reasonably practical pursuant to the terms of this Resolution.

PASSED AND ADOPTED by the Joint Board of Directors of the OAKDALE IRRIGATION DISTRICT and of the SOUTH SAN JOAQUIN IRRIGATION DISTRICT for the TRI-DAM PROJECT this 20th day of January 2022 by the following vote:

OAKDALE IRRIGATION DISTRICT

AYES:

NOES:

ABSENT:

OAKDALE IRRIGATION DISTRICT

Tom D. Orvis, President

Steve Knell, Secretary

SOUTH SAN JOAQUIN IRRIGATION DISTRICT

Robert Holmes, President

Peter M. Rietkerk, Secretary

BOARD AGENDA REPORT

Date: 1/20/2022
Staff: Jarom Zimmerman

SUBJECT: ACWA 2022 Membership Dues

RECOMMENDED ACTION: Discussion and possible action to approve the 2022 ACWA membership dues

BACKGROUND AND/OR HISTORY:

The Association of California Water Agencies (ACWA) met in September of 2020 to approve a two-year budget, with a rate increase of 2% from 2021 to 2022. These dues are based on operations and maintenance expenses for its public agency members. Membership in ACWA allows Tri-Dam to enroll in their insurance programs, training programs, and to benefit from active lobbying. This year's annual dues are \$20,230.

FISCAL IMPACT: \$20,230

ATTACHMENTS: ACWA Invoice
ACWA Memorandum

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)



Bringing
Water
Together

Date: October 15, 2021

Tri-Dam Project

P.O. Box 1158

Pinecrest, CA 95364

2022 Annual Agency Dues	\$20,230.00
	<hr/>
Total Amount Due	\$20,230.00

Thank you for your continued support with ACWA. Please remit payment by **January 31, 2022**.

ACH Payment Information: Wells Fargo Bank

Routing #: 121042882

Checking Acct #: 6071344052

*****MEMBERSHIP DUES*****MEMBERSHIP DUES*****MEMBERSHIP DUES*****

SACRAMENTO 980 9th Street, Suite 1000, Sacramento, CA 95814 • (916) 441-4545
WASHINGTON, D.C. 400 North Capitol Street NW, Suite 357, Washington, DC 20001 • (202) 434-4760

WWW.ACWA.ORG

Association of California Water Agencies
2022 Member Dues Calculation

Date: September 29, 2021

Name: Tri-Dam Project

(1) Operating Expenses \$ 9,811,791.00

(2) All Other Expenses

(3) Total Expenses \$ 9,811,791.00

<<< LESS >>>

(4) Purchased Power

(5) Water Purchases

(6) Groundwater Replenishment

(7) Depreciation \$ 2,086,968.00

(8) Fixed Assets

(9) Total Adjusted Expenses \$ 7,724,823.00

<<< LESS >>>

(10) Pumping

(11) Total Expenses Adjusted For Pumping \$ 7,724,823.00

(12) Line 11 times 2 \$ 15,449,646.00

(13) Dues O&M (lessor of line 9 or 12) \$ 7,724,823.00

DUES AMOUNT \$ 20,230.00

*** THIS IS NOT A BILL - PLEASE DO NOT PAY FROM THIS WORKSHEET ***



Bringing
Water
Together

MEMORANDUM

TO: ACWA Public Water Agency Members

FROM: David Eggerton, Executive Director

DATE: September 28, 2021

SUBJECT: ACWA's 2022 Membership Dues

At its meeting in September of 2020, the ACWA Board of Directors approved a two-year budget for 2021 and 2022 to maintain the strength of the organization, continue to provide high levels of service to its members, and reduce its OPEB liability. ACWA has continued to do an excellent job of managing its expenses in light of some challenges associated with the pandemic. In 2021, we were able to reduce expenses due to the staff reorganization that took place at the end of 2020, a continued virtual landscape, and an increase in non-dues revenue, putting ACWA in a very strong financial position. As we enter the second year of the current two-year budget we are happy to share that no additional increase is necessary above the 2% that was already approved for 2022.

ACWA's dues are based on the operations and maintenance (O&M) expenses for individual public agency members, which vary from year to year. If there was an increase or decrease in your O&M, the actual dollar increase associated with your agency's dues can vary based on that change.

ACWA implemented a new dues automation process in 2018. As part of that process, your designated authorized user(s) provided O&M expenses to ACWA for the 2022 dues calculation. If financial data was not entered this year, the prior year's O&M was increased by 25% (per ACWA policy) to calculate the dues amount. If your agency did not provide this information, or if you have questions relating to the calculation of the dues, please contact ACWA's Controller Dan Gumpert at dane@acwa.com or Accountant Steven Carr at steven.c@acwa.com, or by phone at (916) 441-4545.

To view ACWA's full 2022 dues schedule, please visit acwa.com.

We appreciate your public service during this challenging time. ACWA members have displayed incredible resilience throughout the pandemic, and we cannot thank you enough for your flexibility and adaptability to engage with us throughout the year. Your dues contribution allows ACWA to provide high-quality benefits and services to its members, such as:



- A statewide voice on behalf of California water agencies on key state and federal legislative and regulatory water issues such as pandemic-related arrearages due to the prohibition on shut-offs, drought response, and infrastructure funding.
- Award-winning communications to support and advance the Association's legislative, regulatory, and policy agenda by reaching key audiences, such as the Legislature, the media and the public; and by helping water agencies with outreach at the local level.
- Participation in ACWA's grassroots Outreach Program, a vital tool for members to engage on key legislative and regulatory efforts.
- Exclusive cost-saving opportunities through ACWA JPIA insurance for liability, property workers compensation and employee benefits programs.
- Two major annual conferences, numerous topic-specific workshops, regional events, webinars and other professional development programs to help meet member needs.
- Opportunities to shape water policy by serving on ACWA Committees and engaging locally through ACWA's 10 Regions.
- Access to ACWA's Preferred Provider Program, which offers a variety of value-added programs and services.

For more information on these services, as well as all of the benefits of continued ACWA membership, please visit acwa.com.

We thank you so much for your membership and look forward to your continued participation in 2022. If you have questions about your ACWA membership, please contact ACWA's Member Services Manager Katie Dahl at (916) 441-4545 or via email at katied@acwa.com.

BOARD AGENDA REPORT

Date: 1/20/2022
Staff: Jarom Zimmerman

SUBJECT: California Cooperative Snow Surveys Program Donation

RECOMMENDED ACTION: Discussion and possible action to approve an annual donation to the California Cooperative Snow Surveys Program

BACKGROUND AND/OR HISTORY:

The California Cooperative Snow Surveys Program (CCSS) is a collaborative effort between federal, state, local agencies, utilities, universities, and private partners to conduct manual snow surveys, collect hydrometeorological data, conduct data QA/QC, manage data, and disseminate products to all partners. The Program gathers and correlates information and data pertinent to an annual forecast of seasonal water crop, including the making of snow surveys, both independently and in cooperation with the county, state, and other agencies.

These invoiced costs cover manual snow surveys and snow course maintenance, and are shared among agencies of the same watershed. The program is partially state-funded, but not entirely. The State Department of Finance wants to see the contribution from cooperators in the program, and has operated accordingly since the program began in 1929.

Tri-Dam has contributed to this off and on for many years, but in recent years has not received invoices from CCSS, so many annual donations have been missed. Tri-Dam's expected donation for this year for the operation and maintenance of the hydrometeorological stations in our watershed is \$3,000.

FISCAL IMPACT: \$3,000

ATTACHMENTS: CCSS Invoice
CCSS Responses to Tri-Dam Questions

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)

DEPARTMENT OF WATER RESOURCES

DIVISION OF FLOOD MANAGEMENT
P.O. BOX 219000
SACRAMENTO, CA 95821-9000



December 17, 2021

Jarom Zimmerman
General Manager, Tri Dam Project
31885 Old Strawberry Rd.
Strawberry, California 95375

Dear Mr. Zimmerman:

This letter is to request your funding support for the Water Year 2021 field activities of the California Cooperative Snow Surveys Program. Your suggested contribution of \$3,000 will help cover the cost of hydrometeorological station maintenance and data quality control in the Stanislaus River watershed that are incurred by the Department of Water Resources.

Further refinements may be made in the upcoming year to reflect updated expenses for the snow surveys program. We will keep you abreast of those changes. As you know, there are no general state tax funds allocated for field data collection and quality control of hydrometeorological data.

We wish to thank you for your continuing support of this program. Your contributions demonstrate a sincere commitment to good water management for the State of California.

Attached is a copy of the California Cooperative Snow Surveys Program contribution form. Please complete and return it with your check, payable to the Department of Water Resources. If you have any questions regarding this payment, please call me at (916) 699-8377.

Sincerely,

Ramesh Gautam

Ramesh Gautam, Ph.D., P. E.
Manager, California Cooperative Snow Surveys Program
California Department of Water Resources

CC:

David Rizzardo, P. E.
Manager, Hydrology Section
California Department of Water Resources

Sean de Guzman, P. E.
Manager, Snow Surveys and Water Supply Forecasting Unit
California Department of Water Resources

DEPARTMENT OF WATER RESOURCES



Date: _____

To: Snow Surveys Office
Department of Water Resources
Post Office Box 219000
Sacramento, CA 95821-9000

Subject: CALIFORNIA COOPERATIVE SNOW SURVEYS PROGRAM PAYMENT

Dear Colleagues:

Enclosed is our check/warrant number _____ in the amount of \$_____ which represents our contributed share of costs to be incurred by the California Cooperative Snow Surveys Program. Detailed cost accounting is not required and any surplus not currently expended shall be carried over for later expenditure.

ORGANIZATION NAME

AUTHORIZED SIGNATURE

PRINTED NAME AND TITLE

INSTRUCTIONS FOR DWR FISCAL SERVICES, GOVERNMENTAL ACCOUNTING OFFICE CASHIER

Post Cash Receipt Document Type **DZ** to credit General Ledger Account No. **3420000000**

Posting Key **19** – Customer Account No. **5921** – Special GL Indicator **6**

Summary of Snow Surveys Cost for the Tri Dam Project and Requested Contribution for WY 2021

CALIFORNIA COOPERATIVE SNOW SURVEYS PROGRAM

Snow Sensor Data Quality Program (Lower Relief Valley)	\$	2,933	
Snow Sensor Telemetry Maintenance Program			
Lower Relief Valley			
Sensor maintenance in WY 2021:	\$	-	
Total		\$	2,933
Total Expenses for Tri Dam Project			
		\$	2,933
Available Credit from WY 2020:	\$	(58)	
Net Balance for Tri Dam Project for WY 2021:		\$	2,875
Requested Contribution from Tri Dam Project for WY 2021:		\$	3,000
Balance Available after payment		\$	125

1. What portions of the program are state-funded, and why are donations necessary to keep the program operating?

California Cooperative Snow Surveys (CCSS) program was born in 1929 by the California State Legislature. The mission of this program is to collaborate with federal, state, local agencies, utility companies, universities, and private partners to conduct manual snow surveys, collect hydro meteorological data, conduct data QA/QC, manage the data and disseminate the products to all agencies, partners and general public. CCSS abides by the mandate of California Water Code 228, which stipulates “The department shall gather and correlate information and data pertinent to an annual forecast of seasonal water crop, including the making of snow surveys, either independently or in cooperation with any person or any county, state, federal or other agency”.

CCSS has ongoing Memorandum of Agreement (MOA) with the United States Forest Service (USFS), National Parks Services (NPS) and United States Bureau of Reclamation (USBR). DWR-USFS MOU allows DWR to conduct snow surveys in the national forests. There are more than 260 active snow courses, about 150 hydrometeorological stations, more than 70 snow pillows, about 45 aerial markers, 45 cabins and dozens of shelters. These are all state-owned assets. Majority of them are within the jurisdiction of the national forest and national parks. For that reason, CCSS coordinates with the USFS and NPS, develops action plan to conduct snow surveys, provides logistics (snow mobile, snow cat, snowshoes, tubes, gears, bags, emergency supplies etc.) and training.

Following costs are associated to CCSS program:

- Manual snow surveys, snow course maintenance: It includes conducting snow surveys every year in the winter and spring, vegetation trimming, tree removals, replacement of old/damaged signs, clearance of access road, and permitting.
- Hydrometeorological stations installation, operation, and maintenance: Planning, feasibility study, permitting, contracting and administration, operation and maintenance, data QA/QC, and hydrological model development.
- Snow pillows/snow sensors installation, operation, and maintenance: Cost of installation, contracting and administration, permitting, maintenance, data QA/QC and model development.
- Cabin repairs and food stocking.

The state’s share of the costs are as follows:

- Staffing for operation and maintenance of all CCSS assets.
- Purchasing equipment and logistics to install the hydrometeorological stations, snow pillows, sensor replacement costs.
- Permitting fee, cost recovery fee and other administration cost related to CCSS program.
- Data management, QA/QC and hydrological model development.

Cooperators’ contribution is to offset the cost on manual snow surveys, data QA/QC and station maintenance. Please note that cooperators’ contribution is very small component of overall CCSS program cost. It is CCSS’s policy from the very beginning that the beneficiary cooperators contribute for the cost of data collection (Appendix A). Therefore, contribution from the cooperators is necessary to seamlessly run the program and provide data and products to all cooperators and public.

2. If donations are not received, would the state fund the program appropriately to keep it in operation?

The hydrology section in the Division of Flood Management has been advocating to gain funding support from the state through the general fund. In addition, hydrology section puts forward Spring Finance Concept Papers and Budget Change Proposals to fund for the program. It is critical that the Department of Finance wants to see the contribution from the cooperators on this program either in the form of financial support or sharing the annual maintenance of hydrometeorological stations. For that reason, it is necessary that cooperators continue contributing

on this program. CCSS has been receiving contributions from all cooperating agencies. It is expected that this program will be operated in the future with funding support from the Department of Finance and contribution from the cooperating agencies.

3. What is the number of agencies that donate and participate to the program?

The following agencies are contributing for funding to this program:

- a. Turlock Irrigation District
- b. Modesto Irrigation District
- c. Merced Irrigation District
- d. The City of San Francisco Water and Power
- e. Kings River Water Association
- f. Kings River Conservation District
- g. Kaweah Delta Water Conservation District
- h. Tulare Lake Basin Water Storage District
- i. Tule River Association
- j. North Kern Water Storage District
- k. Kern Delta Water District
- l. City of Bakersfield
- m. Buena Vista Water Storage District
- n. J. G. Boswell Company
- o. Northern California Power Agency
- p. San Joaquin Rivers Exchange Contractors Water Authority
- q. Pacific Gas and Electric Company
- r. East Bay Municipal Water Utility District

In addition, other agencies who contribute for operation and maintenance of hydrometeorological stations, data share and exchange, right of way and easement permit are:

- s. Southern California Edison
- t. Los Angeles Department of Water and Power
- u. Sacramento Municipal Utility District
- v. Placer County Water Agency
- w. Nevada Irrigation District
- x. Yuba Water Agency
- y. UC Berkeley
- z. Desert Research Institute
- aa. Natural Resource Conservation Service
- bb. USGS
- cc. Army Corps of Engineers

4. How are the recommended donations or contributions calculated?

Here is how the recommended contribution is calculated:

First of all, the number of CCSS assets (the number of snow courses, snow pillows and hydrometeorological stations, Cabins) within the watersheds of each cooperating agency is identified.

For snow course:

1. The agency/cooperator who is responsible to carry out manual snow surveys is determined.
2. If the agency is DWR, USFS or NPS, then the cost of snow surveys is calculated. Then, that cost is one of the invoicing items to the cooperator. Please note the snow surveys cost is \$97 per person per day. At minimum, two snow surveyors are required to complete the snow surveys for one site. Snow surveys is conducted once every month from January to April and in some years for May as well. If the snow surveys agency is cooperators themselves, then the cost of snow surveys is reflected as 'In-Kind Contribution' in the CCSS invoice.

For Snow Pillow/Snow Sensors data QA/QC:

The time taken to conduct snow pillow/snow sensors data QA/AC is determined for the entire water year, which is 2,060 hours. For the cooperators' component, it is divided by half, hence only 1,030 hours is considered into the invoice. Then, the amount is calculated by multiplying per hour rate of DWR engineers, which is \$225/hour for WY 2021. That will yield total of \$231,750. Then, it is divided by 79 (79 is the total active statewide snow pillows in WY 2021), which amounts to \$2,933 per snow pillow. If there are three snow pillows (let's say Tri-Dam Project has), then, it is multiplied by 3, thus total data QA/QC cost will be \$8,799.

In addition, there are two or more agencies who share the water resources from the same watershed, (for example, Tuolumne watershed where the City of San Francisco Water and Power, Turlock Irrigation District and Modesto Irrigation District). In that case, CCSS discusses with all cooperators and based on their fair share, the cost is divided to each cooperator. In Tuolumne's case, the City of San Francisco Water and Power contributes 50% and TID and Modesto ID both contribute 50%.

For hydrometeorological stations operations and maintenance:

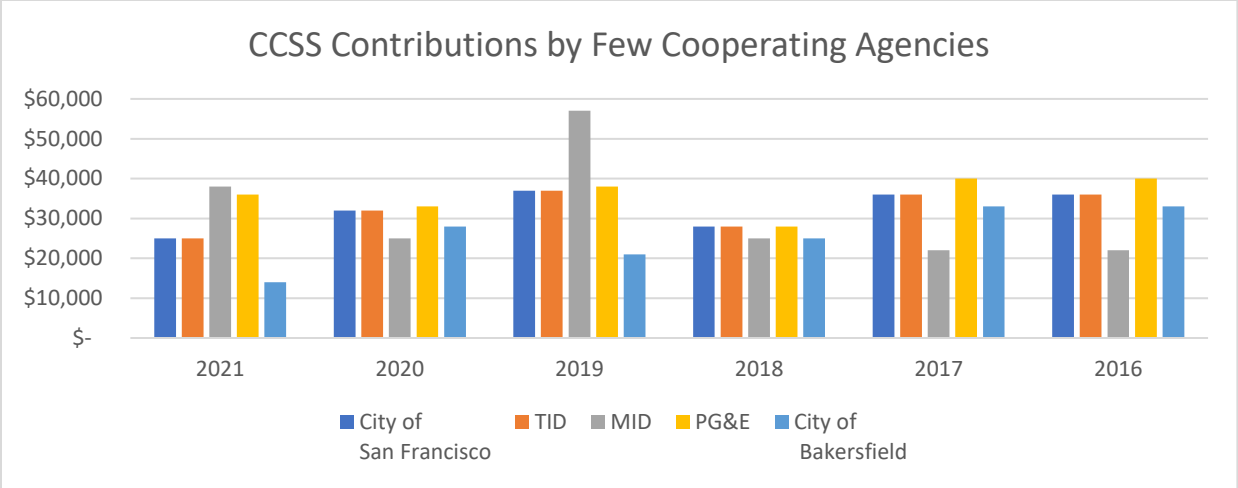
DWR electrical engineers and technicians conduct maintenance of hydrometeorological stations. They have two types of maintenance. (i) Regular site visit for recalibration of sensors (ii) Site visit to replace sensors, replace other accessories or equipment. The cost for this component comprises sensor replacement cost, transportation cost and time of DWR staff to replace the sensors. Considering all components, for WY 2021, the station maintenance cost per site is \$3,019 per station. Please note that DWR does not charge if it is regular site visit.

Like snow pillow data QA/QC cost, if there are two or more than two cooperating agencies in the same watershed, then the cost is being shared in the same ratio as discussed above.

Cabin food stocking:

Cabin food stocking is conducted in fall before snow survey season begins. Cabin food stocking is part of manual snow surveys cost. If the watershed has cabin, then the cost of cabin food stocking is also included in the invoice.

As an example, here is the contribution from few participating agencies for the total cost of these cost components in their watersheds from 2016 to 2021:



Please note that if cooperating agencies conduct maintenance of the hydrometeorological stations or sensor replacements, then, that cost is reflected in the CCSS invoice as 'In-Kind Contribution'.

For your additional information, please find:

Appendix A: CCSS Funding Policy

Appendix B: Historical records of CCSS contribution by Tri-Dam Project

Appendix A

CCSS Funding Policy

Jack G. Pardee

Strauss, quoting from Fred Paget,

Fred ~~Paget~~, a former head of the Snow Surveys Program, announced the Department's policy on cooperator funding in a 1955 memorandum. I have attached a copy of that memorandum. To the best of my knowledge this has been a fundamental precept since its beginning in 1929. It is still followed. Cooperators pay the full cost of data collection within their drainage basin.

The Department currently has six types of arrangements with its cooperators. They are:

- o Formal contracts
- o Letters of understanding
- o Billing
- o Simple agreements
- o Project funding
- o Contributed services

These arrangements provide for virtually the entire cost of field operations. During the current year, field costs are estimated to be \$318,000. Contributions in the form of cash or services offset all but \$25,000 of this. This figure is somewhat misleading since it includes such as departmental salaries when stocking shelters which isn't strictly a data collection cost. The \$25,000 also represents costs of data collection on those basins where there is no cooperator, e.g., the Scott or Susan Rivers. We are working to reduce the figure to zero.

These figures, which are for the 1980-81 fiscal year, represent about half of the Snow Surveys budget.

For your convenience I have attached a table listing each of our cooperators grouped by the type of funding arrangements we have with them.

Attachments

JGPardee:dl

COOPERATOR FUNDING

1. Formal contracts -

U. S. Water and Power Resources Service
U. S. Forest Service
U. S. National Park Service

2. Letter of understanding -

East Bay Municipal Utility District
Sacramento Municipal Utility District
City and County of San Francisco

3. Billing -

Los Angeles Department of Water and Power
Kern River interests, composed of
 Buena Vista Water Storage District
 North Kern Water Storage District
 City of Bakersfield
 Kern Delta Water District

4. Simple agreements -

Central California Irrigation District
J. G. Boswell Company
Kaweah Delta Water Conservation District
Tri-Dam Project
Omochumne-Hartnell Water District
Tulare Lake Basin Water Storage District
Tule River Association
Kings River Water Association
Kings River Conservation District
Turlock-Modesto Irrigation Districts
Merced Irrigation District

5. Project funding -

Division of Operations and Maintenance

6. Contributed Services -

U. S. Soil Conservation Service
 Nevada
 Oregon

COOPERATOR FUNDING (Continued)

U. S. Forest Service Experiment Station
U. S. Geological Survey
U. S. Corps of Engineers
National Weather Service
Pacific Gas and Electric Company
Oroville-Wyandotte Irrigation District
Nevada Irrigation District
Yuba County Water Agency
Los Angeles County Flood Control District
Placer County Water Agency
San Bernardino Valley Municipal Utility District
Union Carbide Company
Southern California Edison Company
City of Los Angeles, Department of Water and Power *
Kings River Water Association *
Sacramento Municipal Utility District

* Also have money agreements with the State.

Appendix B

Few Previous Records of CCSS Contribution by Tri-Dam Project

DEPARTMENT OF WATER RESOURCES

1416 NINTH STREET, P.O. BOX 942836
ACRAMENTO, CA 94236-0001
16) 653-5791



December 21, 2007

Mr. Steve Felte
General Manager
Tri-Dam Project
Post Office Box 1158
Pinecrest, California 95364

Dear Mr. Felte:

This is to request your funding support for the 2007-08 fiscal year field activities of the California Cooperative Snow Surveys Program. Your requested contribution is \$1,500 for this coming season.

We would urge you to consider increasing your contribution from \$1,500 to \$2,000 to support some portion of sensor data quality control efforts attributable to snow sensors in the Stanislaus River watershed. As you know, there are no general state tax funds allocated for field data collection of snow data and your contribution has been static since Fiscal Year 1999.

We wish to thank you for your continuing support of this program. Your contributions of cash as well as in kind efforts demonstrate a sincere commitment to good water management for all of California.

Attached is a copy of the California Cooperative Snow Surveys Program contribution form. Please complete and return it with your check, payable to the Department of Water Resources.

If you have any questions regarding this change please call me at (916) 574-2636.

Sincerely,

A handwritten signature in black ink that reads "Dave Hart".

Dave Hart
California Cooperative Snow Surveys Program

Attachments

DMY
REL

DEPARTMENT OF WATER RESOURCES

1416 NINTH STREET, P.O. BOX 942836
CRAMENTO, CA 94236-0001
16) 653-5791



July 31, 2006

Mr. Steve Felte
General Manager
Tri-Dam Project
Post Office Box 1158
Pinecrest, California 95364

Dear Mr. Felte:

This is to request your funding support for the 2006-07 fiscal year field activities of the California Cooperative Snow Surveys Program. Your suggested contribution is \$2,000 for this coming season.

As you recall our office determined that we would need a higher level of support beginning with the 2006 winter season, unless unanticipated general fund support materialized. Some of that support has materialized and we have also re-evaluated some of our costs. The snow sensor data quality program has seen a significant drop based on spreading the cost of the program to include sensor data from the U.S. Bureau of Reclamation. We do not actually receive any extra support from the Bureau for this work, but it was not equitable to base our costs on a reduced number of data sites simply because one cooperator was unwilling to pay their share. We would urge you to consider increasing your contribution from \$1,500 to \$2,000 to support some portion of sensor data quality attributable to those snow sensors. As you know, there are no general state tax funds allocated for field data collection of snow data.

We wish to thank you for your continuing support of this program. Your contributions of cash as well as in kind efforts demonstrate a sincere commitment to good water management for all of California.

Attached is a copy of the California Cooperative Snow Surveys Program contribution form. Please complete and return it with your check, payable to the Department of Water Resources.

If you have any questions regarding this change please call me at (916) 574-2636.

Sincerely,

A handwritten signature in black ink that reads "Dave Hart".

Dave Hart
California Cooperative Snow Surveys Program

Attachments

DEPARTMENT OF WATER RESOURCES

1416 NINTH STREET, P.O. BOX 942836
SACRAMENTO, CA 94236-0001
(6) 653-5791



November 15, 2005

Mr. Steve Felte
General Manager
Tri-Dam Project
Post Office Box 1158
Pinecrest, California 95364

Dear Mr. Felte:

This is to request your funding support for the 2005-06 fiscal year field activities of the California Cooperative Snow Surveys Program. Your suggested contribution is \$2,500 for this coming season.

As you recall our office determined that we would need a higher level of support beginning with the 2006 winter season, unless unanticipated general fund support materialized. That is still true, but there is a pending budget change proposal that may eliminate part of the need for additional engineering support. At this time we are proceeding only with an additional request for the 0.5 personnel year funding in support of the snow sensor program with the anticipation that additional support will be forthcoming from the state budget. As you know, there are no general state tax funds allocated for field data collection of snow data. We wish to thank you for your continuing support of this program. Your contributions of cash as well as in kind efforts demonstrate a sincere commitment to good water management for all of California.

Attached is a copy of the California Cooperative Snow Surveys Program contribution form. Please complete and return it with your check, payable to the Department of Water Resources.

If you have any questions regarding this change please call me at (916) 574-2636.

Sincerely,

A handwritten signature in cursive script that reads "Dave Hart".

Dave Hart
California Cooperative Snow Surveys Program

Attachments

DEPARTMENT OF WATER RESOURCES

1416 NINTH STREET, P.O. BOX 942836
SACRAMENTO, CA 94236-0001
(916) 653-5791



November 17, 2004

Mr. Steve Felte
General Manager
Tri-Dam Project
Post Office Box 1158
Pinecrest, California 95364

Dear Mr. Felte:

This is to request your funding support for the 2004-05 fiscal year field activities of the California Cooperative Snow Surveys Program. Your suggested contribution is \$1,500 for this coming season.

As you are aware, beginning with the 2006 winter season, unless unanticipated general fund support materializes, we will need to collect additional funds to underwrite data collection and forecast support activity to maintain current services. We are requesting that you consider increasing your support to \$3,500 when the time comes. We wish to thank you for your continuing support of this program. Your contributions demonstrate a sincere commitment to good water management for all of California.

Attached is a copy of the California Cooperative Snow Surveys Program contribution form. Please complete and return it with your check, payable to the Department of Water Resources.

If you have any questions regarding this change please call me at (916) 574-2636.

Sincerely,

A handwritten signature in black ink that reads "Dave Hart".

Dave Hart
California Cooperative Snow Surveys
Program

Attachments

DEPARTMENT OF WATER RESOURCES

1416 NINTH STREET, P.O. BOX 942836
SACRAMENTO, CA 94236-0001
(916) 653-5791



December 17, 2003

Mr. Steve Felte
General Manager
Tri-Dam Project
Post Office Box 1158
Pinecrest, California 95364

Dear Mr. Felte:

This is to request your funding support for the 2003-04 fiscal year field activities of the California Cooperative Snow Surveys Program. Your suggested contribution is \$1,500 for this coming season.

We wish to thank you for your continuing support of this program. Your contributions demonstrate a sincere commitment to good water management for all of California.

Attached is a copy of the California Cooperative Snow Surveys Program contribution form. Please complete and return it with your check, payable to the Department of Water Resources.

If you have any questions regarding this change please call me at (916) 574-2636.

Sincerely,

A handwritten signature in cursive script that reads "Dave Hart".

Dave Hart
California Cooperative Snow Surveys
Program

Attachments

DEPARTMENT OF WATER RESOURCES

1416 NINTH STREET, P.O. BOX 942836
SACRAMENTO, CA 94236-0001
916) 653-5791



August 15, 2002

Mr. Steve Felte
General Manager
Tri-Dam Project
Post Office Box 1158
Pinecrest, California 95364

Dear Mr. Felte:

This is to request your funding support for the 2002-03 fiscal year field activities of the California Cooperative Snow Surveys Program. Your suggested contribution is \$1,500 for this coming season.

We wish to thank you for your continuing support of this program. Your contributions demonstrate a sincere commitment to good water management for all of California.

Attached is a copy of the California Cooperative Snow Surveys Program contribution form. Please complete and return it with your check, payable to the Department of Water Resources.

If you have any questions regarding this change please call me at (916) 574-2636.

Sincerely,

A handwritten signature in black ink that reads "Dave Hart".

Dave Hart
California Cooperative Snow Surveys
Program

Attachments

DEPARTMENT OF WATER RESOURCES

1416 NINTH STREET, P.O. BOX 942836
SACRAMENTO, CA 94236-0001
916) 653-5791



April 17, 2002

Mr. Steve Felte
General Manager
Tri-Dam Project
Post Office Box 1158
Pinecrest, California 95364

Dear Mr. Felte:

This is to request your funding support for the 2001-02 fiscal year field activities of the California Cooperative Snow Surveys Program. Your suggested contribution is \$1,500 for this coming season.

We wish to thank you for your continuing support of this program. Your contributions demonstrate a sincere commitment to good water management for all of California.

Attached is a copy of the California Cooperative Snow Surveys Program contribution form. Please complete and return it with your check, payable to the Department of Water Resources.

If you have any questions regarding this change please call me at (916) 574-2636.

Sincerely,

A handwritten signature in black ink that reads "Dave Hart".

Dave Hart
California Cooperative Snow Surveys
Program

Attachments

DEPARTMENT OF WATER RESOURCES

1416 NINTH STREET, P.O. BOX 942836
SACRAMENTO, CA 94236-0001
(916) 653-5791



November 27, 2000

Mr. Steve Felte
General Manager
Tri-Dam Project
Post Office Box 1158
Pinecrest, California 95364

Dear Mr. Felte:

This is to request your funding support for the 2000-01 fiscal year field activities of the California Cooperative Snow Surveys Program. Your suggested contribution is \$1,500 for this coming season.

We wish to thank you for your continuing support of this program. Your contributions demonstrate a sincere commitment to good water management for all of California.

Attached is a copy of the California Cooperative Snow Surveys Program contribution form. Please complete and return it with your check, payable to the Department of Water Resources.

If you have any questions regarding this change please call me at (916) 574-2636.

Sincerely,

A handwritten signature in black ink that reads "Dave Hart".

Dave Hart
California Cooperative Snow Surveys
Program

Attachments

July 20, 1990

Mr. Don Thompson
General Manager
Tri-Dam Project
Star Route, Box 1303
Sonora, CA 95370

Dear Mr. Thompson:

This is to request your funding support for the 1989-90 fiscal year field activities of the California Cooperative Snow Surveys Program. Your suggested contribution of \$1000 remains the same as last year.

Thank you for your continuing support of this program. Your contributions demonstrate a sincere commitment to good water management for all of California.

Attached is a copy of the California Cooperative Snow Surveys Program contribution form. Please complete and return it with your check, payable to the Department of Water Resources.

If you have any questions on specific items of expense or on the Program in general please call me at (916) 323-1484.

Sincerely,



Jack G. Pardee
California Cooperative Snow Survey Program

Attachment

DHart:dh

(916) 445-2196

August 27, 1980

Mr. J. W. Southern
General Manager-Executive
Secretary
Tri-Dam Project
Star Route, Box 1303
Sonora, CA 95370

Dear Mr. Southern:

The Department of Water Resources acknowledges the contribution of the Tri-Dam Project, in the amount of \$700, for snow survey and water supply forecasting work. A formal receipt (No. 03107) is enclosed for your records.

Your continued support of the California Cooperative Snow Surveys Program is appreciated.

Sincerely,

Jack G. Pardee, Coordinator
California Cooperative Snow
Surveys Program

Enclosure

MRPETERSON:bp

219
July 17, 1967

Mr. Keith F. Chrisman
Assistant Executive Secretary for
Tri-Dam Project
P. O. Box 188
Oakdale, California 95361

Dear Mr. Chrisman:

In answer to your letter of July 12, 1967, requesting area-elevation curves for the Stanislaus watershed, the enclosed graphs are provided for your use. We do not have a curve for the South Fork; however, it is a very small part of the basin above the 5,000 foot elevation contour.

If we can be of further assistance to you, please feel free to contact us.

Sincerely yours,

Ray E. Barsch, Chief
Water Supply Forecasting Unit
Snow Surveys and Water Supply
Forecasting Section
Statewide Operations Office

REBarsch:dI
Enclosures

Control No. 149

<i>Ray E. Barsch</i> 7/17/67	<i>V. H. ...</i> 7/17		
---------------------------------	--------------------------	--	--

BOARD AGENDA REPORT

Date: 1/20/2022
Staff: Jarom Zimmerman

SUBJECT: Twelfth Part 12D Independent Consultant

RECOMMENDED ACTION: Discussion and possible action to approve the Part 12D Independent Consultant contract with McMillen Jacobs Associates

BACKGROUND AND/OR HISTORY:

Tri-Dam recently received a notification from the Federal Energy Regulatory Commission (FERC) that the 12th Independent Consultant's Safety Inspection (Part 12D) is required to be completed in 2022, based on the 5-year cycle. This inspection requires a review of all outstanding recommendations from previous Part 12D reports, a review of all Potential Failure Modes (PFM), a review of all studies and analyses that resulted from the previous Part 12D report, and an inspection of all project works.

The Independent Consultant (IC) will document all findings and present them in a written report with additional recommendations to improve dam safety at Beardsley, Donnells, and Tulloch Dams. After Tri-Dam's review and approval, this report will be submitted to FERC by December 1, 2022.

Each IC is required to be approved by FERC, so any approval by the Board today, will be tentative until approved by the FERC, which can take up to 60 days.

FISCAL IMPACT: \$209,240

ATTACHMENTS: McMillen Jacobs Associates 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)

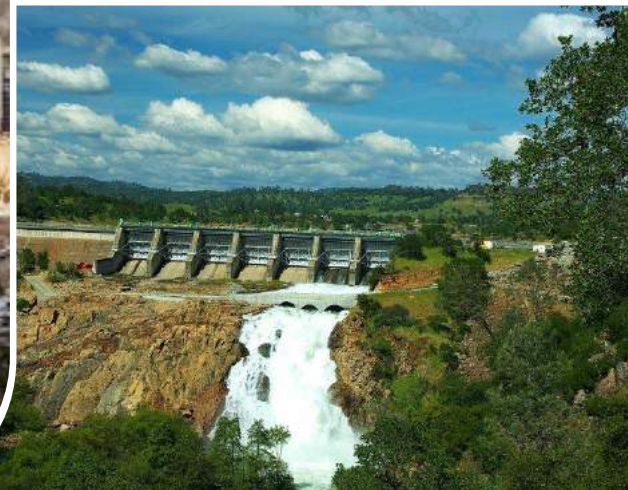
PROPOSAL

FERC Part 12D Independent Consultant Inspection

RFP-2021-11-01-1-2021/BJ



SUBMITTED JANUARY 6, 2022





January 6, 2022

Tri-Dam Project

Jarom Zimmerman, General Manager

Brian Jaruszewski, Finance and Administrative

Via email to BJaruszewski@tridamproject.com

Subject: Proposal for McMillen Jacobs Associates
FERC Part 12D Independent Consultant Inspections for Donnells, Beardsley, & Tulloch Dams

Dear Brian:

McMillen LLC, dba McMillen Jacobs Associates is pleased to submit our proposal for the Tri-Dam FERC Part 12D Inspections for the not-to-exceed amount of \$209,240. We are confident that McMillen Jacobs' team represents the best firm to meet the needs of this project. Our team meets or exceeds the following criteria listed in the RFQ:

- a) Licensed professional engineers. ✓
- b) Minimum of 10 years of experience and expertise in both concrete and embankment dam design and construction and in the investigation of the safety of existing dams. ✓
- c) The Consultant shall be able to provide personnel who have expertise and experience in all aspects of the scope of the scope of work. ✓
- d) Consultant shall be able to enter into the Tri-Dam Project Professional Services Agreement (Exhibit "C"). ✓
- e) Consultant must have no personal or organizational conflicts of interest, as prohibited by law. ✓

Advantages we bring to Tri-Dam include:

- Experience on dam safety reviews for over 60 dams including FERC Part 12D inspections/reports.
- Three FERC-approved Independent Consultants (IC) on the team. (Rick Scott, Catrin Bryan, & Marc Ryan).
- 18 years of design and construction modifications to both concrete and embankment dams.
- Experience executing dam safety services to 50+ clients.
- We have worked closely with California agencies including DSOD.
- We are confident we can complete this project by December 1, 2022, as requested.
- Outstanding references—they will verify we have maintained our strong reputation at consistently delivering FERC Part 12D inspections and reports on time and within budget.
- Our team includes the California-based woman-owned Slate Geotechnical Consulting with three Registered Engineering or Geology professionals in California and an average of 17 years of experience.
- Rick Scott brings 39 years of experience as a geotechnical engineer; Catrin brings 31 years of experience with a unique owner's perspective from her years employed by a major utility.
- Our approach includes the review of nearly 90 PFMs and with the a focus on any opportunities to either retire or reclassify those that are no longer credible.
- We have in-house Subject Matter Experts (SME) that can review the 13 studies and provide meaningful insight to the team.

We are eager to combine our extensive knowledge and experience with the expertise of Tri-Dam's staff to deliver a successful project. If you have questions, please feel free to call or email us at marcusemmons@mcmjac.com or rscott@mcmjac.com or call at (208) 342-4214 (Marcus) or (206) 225-2259 (Rick).

Sincerely,

A handwritten signature in blue ink that reads 'Marcus Emmons'.

Director of Operations, VP



A.1 Consultant Information



Key Elements

- ✓ In addition to Dam Safety services, McMillen Jacobs provides planning, design, and construction for the development of new hydro facilities as well as repair and FERC relicensing for existing hydro projects—this provides **accurate and meaningful inspections**.
- ✓ Our management team and dam safety experts are **committed** to performing the scope of work in Tri-Dam’s RFP.
- ✓ McMillen Jacobs has **partnered with California-based woman-owned Slate Geotechnical Consulting**.
- ✓ Our firm as well as key personnel bring recent experience delivering FERC Part 12D Inspections, Reviews, and Reports **in California**.

A.1.1 Firm Introductions

McMillen LLC, dba McMillen Jacobs Associates will serve as the Prime on this contract and due to our extensive experience in all aspects of dam safety, we are confident in providing Tri-Dam a quality product. Resources available include experts in civil, structural, mechanical, electrical, geotechnical, geology (including seismic), hydraulics, and hydrology. We have 500 employees located in 22 offices within the United States, Canada, New Zealand, and Australia. McMillen Jacobs’ capacity is large enough to provide the necessary resources for a project of this size but small enough to provide nimble, cost-efficient services with a focus on customer service.

We have performed work on over **100 dams and an additional 100 facilities supporting dams** such as fish passage, gates, and intakes/outlets. Dams have varied in size from only a few feet high to over 300 feet high. Our staff has inspected, repaired, or developed a variety of embankment (earth and/or rock-filled) and concrete dams, as well as structures with a combination of materials.

Not only have we performed inspections and assessments previously, but we have also participated in the actual design and construction of dam projects. This enables us to offer accurate and meaningful inspections and recommendations.

In addition, we have invited **Slate Geotechnical Engineers, a woman-owned California-based firm** that we have partnered with on several other projects—including FERC Part 12D inspection projects. Slate consists of



engineering and geology professionals with decades of experience in dam safety engineering, geotechnical engineering, seismic hazard, and earthquake-induced geologic hazards consulting.

A.1.2 Authorized Contact

Below is our firm name, address, telephone number, fax number, and e-mail address of the person or persons authorized to represent McMillen Jacobs regarding all matters related to this proposal.

McMillen LLC, dba McMillen Jacobs Associates	
Re: Terms/Contracts	Re: Technical or Management of this Scope of Work
Mr. Marcus Emmons, Director of Operations, Water Resources Division 1471 Shoreline Drive, Suite 100 Boise, Idaho 83702 marcusemmons@mcmjac.com (208) 342-4216 (fax) (208) 342-4214	Rick Scott, Co-Independent Consultant and Project Manager (206) 225-2259 (office) (385) 394-9462 (Mobile) rscott@mcmjac.com

A.1.3 Commitment

McMillen Jacobs is committed to providing Tri-Dam with a high-quality, compliant Federal Energy Regulatory Commission (FERC) Part 12D inspection and reports and a thorough Potential Failure Modes Analysis (PFMA) review and reports with any suggested modifications. Our Part 12D and PFMA work will incorporate our review of outstanding studies for Donnells, Beardsley, and Tulloch dams for the Tri-Dam Project.

A.1.4 Agreeable Contract Terms

We have read the Professional services agreement Ex C that was included with the RFP documents and are agreeable to the terms and insurance requirements.



A.2 Relevant Expertise & Experience



Key Elements

- ✓ **18 years** of design and construction modifications to both concrete and embankment dams.
- ✓ **10 years** of experience in the development of FERC Part 12D inspections and reports.
- ✓ We have provided dam safety reviews for **over 60 dams**, including FERC Part 12D inspections/reports.
- ✓ Current experience delivering FERC Part 12D Inspections/Reviews and Reports **in California**.
- ✓ McMillen Jacobs has earned a strong reputation for delivering timely completion and quality work.
- ✓ Have executed dam safety services to **50+ clients**.
- ✓ Outstanding client references.

A.2.1 Consultant Qualifications

McMillen Jacobs has an in-house team dedicated to Dam Safety. Our team has provided **reviews and/or inspections on over 60 dams**—many of which required FERC Part 12D reports and updates to the Potential Failure Modes Analysis (PFMA). Many of our clients are repeat customers which is a strong testament to their confidence in McMillen Jacobs. We have performed dam safety services for primarily irrigation districts and hydroelectric facility owners—including agencies and utilities **in California**.

At the end of this section, we have provided Table A.2-2 which demonstrates our ability to complete the scope of work described in the RFP. The table lists **50+ clients** for whom we have executed dam safety projects.

Elements of our dam safety services have included:

- FERC Part 12D Inspections and Reports
- Chief Dam Safety Engineer (CDSE) services
- Field inspections and recommendations
- Emergency Action Plans (EAP)
- Consultant Safety Inspection Reports (CSIR)
- Potential Failure Mode Analysis (PFMA) review, discussions, and reports
- Semi-Quantitative and Quantitative Risk Analyses



- Review of instrumentation and monitoring data
- Supporting Technical Information Documents (STID)
- Review of Dam Safety Surveillance & Monitoring Plans/Reports (DSSMP/DSSMR)
- Review of operations and maintenance aspects
- Seismic evaluations

Other dam safety services have included condition assessments, Owner's Dam Safety Program and/or Audits (ODSP), development of Standard Operating Procedures (SOPs), spillway gate inspections (FERC Appendix L), concrete dam stability analyses, and embankment slope stability analyses. We have also served as the owner's Chief Dam Safety Engineer (CDSE) to assist them with their dam safety programs. Two of our proposed project team members, Rick Scott and Catrin Bryan are currently serving in a CDSE role.

Since 2004, McMillen Jacobs has been providing design and construction modifications to both concrete and embankment dams. And for the past **10 years, we have specifically developed** FERC Part 12D inspections and reports.

McMillen Jacobs has earned a strong reputation for delivering timely completion and quality work as can be verified by the outstanding references provided in this section.

We have also added **Slate Geotechnical Consultants, a woman-owned California-based firm** formed by engineering and geology professionals. We have worked with them on previous FERC Part 12D project and they will bring additional resources to complete the investigations and reports on all three dams in a timely manner. Detailed qualifications are included in Section A-4 and the resumes in the Appendix.

A.2.2 Concrete and Embankment Dam Experience

As shown in Table A.2-2, members of our team have experience providing dam safety services for all types of dams including embankment and concrete. This includes design and construction for modifications to **over 100 embankment and concrete dams**. In addition, many of our staff were previously employed by hydroelectric and dam owners where they were responsible for the maintenance and operation of dams. See Section A.3 for more details.

A.2.3 Industry Experts in Dam Safety

Our dam safety specialists are recognized experts in their field, having participated in the development and publication of dam safety guidelines and have taught courses on matters relating to dam safety. Our in-house staff offers supporting specialties to develop comprehensive analyses and reports which enables us to offer accurate and meaningful recommendations.

McMillen Jacobs' Relevant Dam Safety Experience

- FERC Part 12D Inspections
- Consultant Safety Inspection Reports (CSIR)
- Dam Safety Surveillance & Monitoring Plans/Reports (DSSMP/DSSMR)
- Spillway Condition Assessments
- Seismic Evaluations
- Dam Break Analysis, Inundation Mapping, and/or Probable Maximum Flood (PMF)
- Emergency Action Plans (EAP)
- Owner's Dam Safety Program and/or Audit (ODSP)
- Supporting Technical Information Documents (STID)
- Potential Failure Modes Analysis (PFMA) and Hazard Failure Modes Matrix (HFMM)
- Semi-Quantitative or Quantitative Risk Analysis
- Dam Safety Reviews (DSR)
- Hydropower Plant Condition Assessment
- Standard Operating Procedures (SOP)
- Dam Stability or Slope Analysis
- FERC Chapter 14 Appendix L Gate Inspections



We actively participate in dam safety committees with the United States Society on Dams (USSD), the Association of State Dam Safety Officials (ASDSO), the National Hydropower Association (NHA), the American Society of Civil Engineers (ASCE), Northwest Hydroelectric Association (NWAHA), and the Canadian Dam Association (CDA). Our dam inspection will also draw from our broad experience as hydropower plant operators, dam designers, dam builders, and engineers.

Our disciplines that are applied to dam safety include:

- Hydrology/hydraulics and modeling
- Inundation mapping for emergency planning and consequence assessment
- Seismic hazard analysis
- Structural, civil, electrical, and mechanical, and engineering
- Geotechnical/geological assessments and seismic hazard analysis
- Operations and maintenance
- Risk/benefit and feasibility analysis



Experts in Dam Safety



Our team brings experience in the inspection, analysis, design, and/or construction of 100+ dams, from small diversion dams only a few feet high to embankment, concrete arch, or concrete gravity dams over 300 feet high.



A.2.4 Demonstrated Experience with Like Projects



We have provided detailed information regarding similar projects performed within the last five (5) years, including the project name; the client or entity; date completed; features or aspects of the project that are comparable to the present project work; and the name, title, and contact information for references.

1 Cowlitz Falls Dam, FERC Part 12D, STID, PFMA, OSDP, & Appendix L Assessments

Owner/Customer	Public Utility District No. 1 of Lewis County Joe First, Superintendent T: (360) 497-5351 joef@lcpud.org	
Location	Randle, WA	
Dates	04/2019 – 07/2020 (most recent FERC Part 12D) Additional dam safety services since 2014	
Relevant Scope	FERC Part 12D Inspections and Report, STID, PFMA, ODSP Audit, Spillway Appendix L Gate Inspections	
Key Participants	Teamed with Wayne Edwards on recent FERC Part 12D	
Description of Project	<p>The overall length of the dam is approximately 700 ft and has a maximum height of about 169 ft above the deepest part of the foundation. The dam has an ogee spillway section controlled by four radial gates operated by individual electric-powered hoists. There are also two low-level sluices, 12 ft wide and 16 ft high, in the base of the gate 4 monoliths. To the right side of gate 1 is an emergency spillway bay 50 ft wide controlled by wood flashboards 6 ft high.</p>	
	<p>Since 2014, McMillen Jacobs has been providing dam safety services. Most recently, McMillen Jacobs was the Part 12D Co-Independent Consultant (teamed with Wayne Edwards). We led the field inspection, PFMA preparation and facilitation of the review, development of the Part 12D dam safety report, and updates to the Supporting Technical Information (STI) document. (\$92k)</p> <p>Additional dam safety services included a FERC Part 12D inspections/report, PFMA, and STID updates in 2014, an audit of the Owners Dam Safety Program, Chief Dam Safety Engineer duties, a thorough dam condition assessment, Appendix L radial gate inspections, and a seismic analysis of the radial gates. We also regularly assisted with training and drills and conducted a safety training workshop for Lewis County PUD staff. (\$283k)</p>	



2 Box Canyon & Calispell Creek FERC No. 2042, and Sullivan Creek Dam FERC No. 2225 Part 12D, STID, PFMA, EAP

Owner/Customer	Public Utility District No. 1 of Pend Oreille County Kevin Conway, Director of Compliance, Safety, Engineering, & Technology T: (509) 447-6783 kconway@popud.org
Location	Pend Oreille County, WA
Dates	2015 to Current (the most recent FERC Part 12D was in 2020 and 2021 for Box Canyon and Sullivan Creek Dam, respectively)
Relevant Scope	FERC Part 12D, STID, PFMA, EAP
Description of Project	<p>McMillen Jacobs has been providing dam safety services to Pend Oreille PUD since 2015.</p> <p>Box Canyon Dam is a run-of-river facility located on the Pend Oreille River. The principal project features are a 62-foot-high, 260-foot-long concrete structure with an integral spillway, diversion tunnel, forebay channel, upstream fish passage facility, and powerhouse.</p>  <p>McMillen Jacobs' team prepared the Part 12D dam safety reports <i>in 2015 and 2020</i>, reviewed and updated the STID, facilitated the PFMA review session, and completed the PFMA report. The project also includes an earthen dike at Calispell Creek which has required a separate review and PFMA.</p>  <p>Sullivan Creek Dam is a 200-foot-long concrete gravity dam having a maximum structural height of about 34 feet. The dam consists of two 19-ft-wide ogee spillways and a 20-ft-wide non-overflow section located between the spillways. McMillen Jacobs' team prepared the Part 12D dam safety reports <i>in 2015 and 2021</i>, reviewed and updated the STID, and facilitated the PFMA.</p> <p>Currently, our dam safety team is providing Chief Dam Safety Engineer Services through 2023 for both the Box Canyon Dam and the Sullivan Creek Dam and mitigation alternatives for the Calispell Creek Dike.</p> <p>Total dam safety services to-date: <i>(\$400k+)</i></p>



3 Five dams for PG&E, FERC Part 12D, STID, PFMA, DSSMR

Owner/Customer	Pacific Gas & Electric (PG&E) Dave Ritzman, Chief Dam Safety Engineer T: (415) 973-4412 DLRM@pge.com
Location	Shasta County, CA
Dates	04/2021 – 01/2022
Relevant Scope	FERC Part 12D, STID, PFMA, DSSMP/DSSMR, Spillway Condition Assessment
Key Participants	McMillen Jacobs is a subconsultant to Slate Geotechnical Consultants

McMillen Jacobs and Slate Geotechnical Consultants provided Independent Consultant (IC) services for FERC Part 12D Safety Inspections, Potential Failure Mode Analysis (PFMA) Workshops, and preparation of PFMA and Part 12D Reports for five PG&E dams and appurtenant structures including several miles of tunnels and power plants. These projects are associated with two hydroelectric facilities: McCloud-Pit and Battle Creek Hydro Projects. Scope of work also includes reviewing and updating the Supporting Technical Information (STI) Document. The five dams include Pit 3, Pit 4, Pit 5 Open Conduit, North Battle Creek, and Macumber Dams.



Description of Project

McCloud-Pit Hydroelectric Project FERC No. 0233-CA

- Pit 3 Dam is a curved concrete gravity structure constructed between 1923 and 1925. The dam consists of an overflow spillway and non-spillway sections. The dam is 494-foot long with a crest width of approximately 10 feet. The base width is about 97 feet at the maximum section.
- Pit 4 Dam was completed in 1927 and comprises a concrete gravity section and a slab and buttress non-overflow section. The concrete gravity section is 213 feet long. The gravity spillway section is 78 feet high. The slab/buttress section is 202-foot long and has a height of 58 feet to crest and 65 feet to the top of the parapet wall.
- Pit 5 Open Conduit Dam is a 71-foot-high and 2,964-foot-long compacted earth-fill embankment dam completed in 1943.

Battle Creek Hydroelectric Project FERC No. 1121-CA

- North Battle Creek Dam is a cyclopean masonry and rockfill dam, originally built in 1909, that is approximately 51 feet high (including parapet) and 439 feet long (including the spillway and abutments).
- Macumber Dam is a composite structure consisting of a masonry spillway section flanked by two earth and rockfill dikes, constructed in 1907. The total dam length of the masonry spillway section and two earth and rockfill dikes is 2,425 feet.

(\$336k)





4 Yelm Hydroelectric Project, FERC Part 12D, STID, PFMA, & SQRA

<p>Owner/Customer</p>	<p>Centralia Public Works Patty Page, City Engineer T: (360) 330-7512 ppage@cityofcentralia.com</p>
<p>Location</p>	<p>Centralia, WA</p>
<p>Dates</p>	<p>08/2020 – Ongoing (est. 05/2022)</p>
<p>Relevant Scope</p>	<p>FERC Part 12D, STID, PFMA, Risk Analysis, & SQRA</p>
<p>Key Participants</p>	<p>Teamed with Wayne Edwards for PFMA and Dean Durkee (Gannett Fleming) for SQRA</p>
<p>Description of Project</p>	<p>The Yelm Hydroelectric project comprises a run-of-the-river concrete ogee diversion dam, two intake structures, a fish screen, a 9.1-mile-long earthen canal which includes three spillways, two siphons, numerous crossings, a forebay, a gatehouse, two penstocks, and a powerhouse. The two intake structures at the upstream end of the project divert up to 800 cubic feet of water per second from the Nisqually River into the canal. The canal conveys the water to the penstocks and generation facility at the downstream end of the project.</p> <p>McMillen Jacobs is responsible for the following tasks:</p> <ul style="list-style-type: none"> ▪ Reviewing previous Part 12D and supporting technical information documents, Dam Safety Surveillance Monitoring Plan reports ▪ Conducting Potential Failure Modes Analysis (PFMA) session with FERC and owner ▪ Field inspections ▪ Coordinating with Federal Energy Regulatory Commission for reviews ▪ Conducting a Level 3 Semi-Quantitative Risk Analysis (SQRA) ▪ Updating Part 12D, PFMA, and SQRA Reports <p>(\$262k)</p> <p><i>We are teamed with Wayne Edwards and Dean Durkee for the PFMA and SQRA, respectively.</i></p>






5 12 Dams in California for NID; FERC Part 12D Safety Inspections and Reports

Owner/Customer	Nevada Irrigation District Dar Chen, Dam Safety Engineer Cell: (530) 263-9853 chend@nidwater.com
Location	Various locations in California
Dates	April 2021 – Ongoing; est. completion 03/2022
Relevant Scope	FERC Part 12D, STID, PFMA, SOP, DSSMP/DSSMR
Key Participants	Wayne Edwards, Co-IC
Description of Project	<p>McMillen Jacobs, along with Wayne Edwards (Co-Independent Consultant) won the contract to complete the FERC-required Part 12D IC 5-Year Safety Inspections for twelve NID dams, on four different watersheds - Canyon Creek (a tributary to South Yuba River), Middle Yuba River, Bear River, and Deer Creek. Of the 12 dams, three are concrete-faced rockfill dams, two concrete arch dams, four earth-cored rockfill dams, and three earthen embankment dams. The Part 12D process includes technical document review, field inspections of each dam, potential failure modes analysis updates, and preparation of the Part 12D IC Review Reports.</p> <p>Dams include the following:</p> <p>Lake Combie Project (FERC Project P-02981)</p> <ol style="list-style-type: none"> 1. Combie - concrete arch <p>Yuba-Bear Projects (FERC Project P-02266)</p> <ol style="list-style-type: none"> 2. French Lake - concrete-faced rockfill 3. Faucherie - earth-cored rockfill 4. Sawmill - concrete-faced rockfill 5. Jackson Lake - earthen embankment 6. Bowman North – concrete-faced rockfill 7. Bowman South – concrete arch 8. Jackson Meadows – earth-cored rockfill 9. Dutch Flat Forebay – earthen embankment 10. Dutch Flat Afterbay - earth-cored rockfill 11. Rollins - earth-cored rockfill <p>Scotts Flat Project (FERC Project P-05930)</p> <ol style="list-style-type: none"> 12. Scotts Flat Dam - earthen embankment <p>(\$349k)</p>





6 Five Dams for South Feather Power Project, FERC Part 12D, STID, PFMA

Owner/Customer	South Feather Water and Power Agency Daniel Leon, Power Division Manager; 530-538-8854; dleon@southfeather.com
Location	Various locations, Northern CA
Dates	2017 - 2019
Relevant Scope	FERC Part 12D, STID, PFMA, Spillway Condition Assessment
Project Description	<p>McMillen Jacobs was selected to perform Part 12D inspections at five dams for the South Feather Power Project. The five sites include:</p> <ul style="list-style-type: none"> ▪ Little Grass Valley Dam, a rock-filled dam with a sloping impervious core. With concrete spillway over rock with possible shear zones. ▪ Sly Creek Dam, a zoned rolled earth-filled dam. With concrete spillway over rock with possible shear zones. ▪ Lost Creek Dam, a concrete overflow arch dam ▪ Ponderosa Dam, a zoned, rolled earth filled with a central core and rip-rapped downstream face dam (pictured). The spillway was concrete-lined over rock with possible shear zones. ▪ Miners Ranch Dam, a zoned compacted rock-fill shell with a central core dam. Spillway with concrete control then over rock and soil  <p>McMillen Jacobs completed Part 12D inspections, reports, and PFMA supplemental updates for these 5 dams and their appurtenant structures. Tasks included site-specific inspections, reviewing STIs, previous Part 12D inspections, monitoring and surveillance, and other correspondence and information for each dam.</p> <p>The condition of the concrete was inspected for evidence of any underlying foundation problems, cracking, scour, or deterioration issues. Additional analysis was also performed on two spillways addressing potential failure modes including stability at a range of drain efficiencies and post-seismic stability.</p> <p>These inspections were performed in accordance with newer FERC and California DSOD directives. In addition, there were special supplemental spillway inspections for Sly, Little Grass, and Miners Ranch Dam for FERC and/or California DSOD.</p> <p>(\$231k)</p>



A.3 Project Manager, Key Personnel, & Staff



Key Elements

- ✓ **Three FERC-approved Independent Consultants (IC)** on the team. (Rick Scott, Catrin Bryan, & Marc Ryan)
- ✓ **Rick Scott brings 39 years** of experience as a geotechnical engineer and currently serves as a FERC-approved IC.
- ✓ **Justin Phalen brings 18 years of dam safety experience** with projects under the jurisdiction of DSOD and FERC.
- ✓ Catrin Bryan is a leader in the dam safety industry and has served as a **FERC-approved IC for the past 9 years**.
- ✓ **Catrin brings 31 years of experience** improving hydroelectric facilities—with a unique owner’s perspective from her years employed by a major utility.
- ✓ **Marc Ryan brings over 20 years of experience** as a geotechnical expert in dam safety projects and currently serves as a FERC-approved IC.
- ✓ **Brooke Weeks brings 15 years of experience**—most of which were with FERC Dam Safety.
- ✓ **In-house subject matter experts** to assist as needed including geotechnical, mechanical, electrical, hydraulic and hydrology, seismic analysis.

A.3.1 Identification of Team Members

In this section, we have identified our key personnel and team members. Our team is well-versed in FERC regulations and requirements which will enable them to deliver the products Tri-Dam is requesting. Our Project Manager and both Independent Technical Review Leads are **FERC-approved Dam Safety Independent Consultants (IC)**.

A.3.1.1 Organization Chart

Figure A.3-1 illustrates our team with clear lines of communication. Rick Scott will lead our team and can pull in additional resources if necessary.



B.1 Work Plan



Key Elements

- ✓ Our team will review the nearly 90 PFMs and look for opportunities to either retire or reclassify those that are no longer credible, while also keeping in mind that new PFMs could be warranted.
- ✓ We have assigned Subject Matter Experts (SME) to review the 13 studies summarized in Tri-Dam's RFP which will result in detailed and meaningful feedback incorporated into the Part 12D reports.
- ✓ Informal interviews of the project operations staff will take place during the inspections to develop a thorough understanding of operating and maintenance procedures, thereby ensuring nothing significant is overlooked.
- ✓ We have developed procedures to address the large number of PFMs in the most efficient manner possible.

B.1.1 Project Understanding

Tri-Dam Project is a partnership between the Oakdale Irrigation District and the South San Joaquin Irrigation District. The dams and generating facilities are located on the Stanislaus River and the operating licenses were issued by Federal Energy Regulatory Commission (FERC). The Tri-Dam Project consists of the Beardsley-Donnells Project (FERC Project 2005) and Tulloch Project (FERC Project 2067), and together have three high hazard dams and two low hazard after-bays. These dams also fall under the California Division of Safety of Dams (DSOD) and state laws apply to dam safety.

To help with our fundamental understanding of the Project, we viewed the three historic construction videos available on the Tri-Dam website. The construction videos for each dam provided valuable insight into how the dams were constructed and some of the challenges that were encountered. We will use this information in our review of the existing PFMs to ensure that assumptions and conclusions coincide with the conditions portrayed in the videos.

The Tri-Dam Project "Upper Works" include Donnells and Beardsley dams, reservoirs, powerhouses, and appurtenant facilities along the Middle Fork of the Stanislaus River. The "Lower Works" refers to the Tulloch Dam, Tulloch Reservoir, and the Tulloch Powerhouse on the Stanislaus River below the confluence of the Middle Fork, North Fork, and South Fork of the Stanislaus River.



The Donnells complex was constructed from 1955 to 1957 and includes the reservoir, dam, power tunnel, penstock, and powerhouse. Flows entering the reservoir behind the dam are diverted into the 12.5-foot-diameter power tunnel and through the powerhouse. Donnells Dam rises 317 feet above the stream bed and is founded on a 200-foot-high concrete “plug”. The concrete arch dam is 960-foot-long and is separated from the 220-foot-long spillway by a concrete thrust block. The spillway is controlled by five 35-foot by 19-foot radial gates and one 48-inch-diameter and one 16-inch-diameter low-level outlet.

Flows below the Donnells Powerhouse enter the Beardsley complex, which consists of the reservoir, dam, powerhouse, and dam. The Beardsley complex was constructed from 1955 to 1957. Beardsley Dam is an approximately 284-foot-high, 1,000-foot-long zoned embankment dam with a 180-foot-long spillway controlled by four 40-foot by 30-foot radial gates and one 72-inch-diameter low-level outlet. The spillway is founded on bedrock.

The Tulloch Project was constructed from 1955 to 1957. Tulloch Dam, a 200-foot-high, 1,600-foot-long concrete gravity dam with a 325-foot-long spillway controlled by seven 40-foot by 37-foot radial gates and two powerhouse conduits, and one irrigation bypass conduit that serve as low-level outlets. The dam is 165-feet thick at its base and comprises approximately 230,000 cubic yards of 3,000 psi concrete.

The Part 12D Safety Inspection reports for the three dams are to be submitted to the FERC no later than December 1, 2022. To ensure this schedule can be easily met, we propose conducting the field inspections and PFMA review sessions as soon as the weather allows for access and the ability to inspect the facilities without restrictions from snow. The PFMA review sessions will be conducted immediately following the field inspections. The actual date will be finalized based on Tri-Dam and FERC availability.

We concur with the FERC concerns stated in their letter of October 26, 2021. Our approach will emphasize and focus on these key points for the next Part 12D inspections which include:

- ICs and owners need to be more prepared for the Part 12D inspections. *Prior to the inspections, we will complete all document reviews and have a good understanding of documented dam safety concerns, enabling more efficient use of client time and higher-value products.*
- The previous potential failure modes (PFMs) need to be reviewed and revised, if necessary, to more clearly describe the failure scenarios. *We will perform a complete review of the PFMs. We will ensure they include complete descriptions from initiation to failure, review and identify any new risk reduction measures, and adequately portray adverse and positive factors. We will also review any changed conditions such as modifications, recent analysis, changed loading conditions, or changes in performance to ensure these are adequately captured within the existing PFMs. If during our review a new PFM is identified, it will be included in our draft PFM document to be submitted prior to the PFMA for review by the PFMA Core Team. However, given the significant number of existing developed PFMs, we anticipate very few new PFMs. We will ensure the “case is built” for the categorization of each PFM. We will also document those PFMs not developed with the supporting justifications as to why the PFMs did not require development.*
- ICs must clearly state they have reviewed pertinent analyses, provided their review comments, or concur with the assumptions, approach, and conclusions. *Each of our reports will provide clear documentation that we either agree or disagree with assumptions, approaches, conclusions, and analysis methodologies with the associated supporting justifications. For cases where we disagree with assumptions, etc., it will likely be due to changed conditions such as loading or possibly a change in state-of-the-art practice. In these instances, our reasons for disagreeing will be explained and will be accompanied by recommendations that address the discrepancies.*



We have reviewed the project documents provided and also acknowledge the summary list of studies provided in the RFP and have assigned appropriate Subject Matter Experts (SMEs) who will be responsible for their review. These studies, along with our proposed reviewers/SMEs, are provided in Section B.1.3.2 below.

Each Part 12D review and accompanying report will consider the outstanding issues, changed conditions, FERC-requested items, and other factors that may be manifested during the review of documents and the site inspections. Recommendations will be made to help improve the program and ensure each dam is safe for continued operation. All recommendations will be thoroughly discussed with Tri-Dam to ensure each recommendation is based on the correct understanding of conditions, the recommendation can be accomplished, and adds value to the dam safety program. If any of these conditions are not met, the recommendation may either be revised or deleted with the understanding that all IC final decisions regarding recommendations are to be made independently of the licensee, its employees, and its representatives.



B.1.2 Project Management and Quality Assurance Systems

Project management including schedules, quality of work, and budgets are an important component of the Part 12D review and will be important throughout the process. We believe the key to successful project management is regular ongoing communication. Unexpected events invariably occur but with effective

communication, their impact can be minimal. We strive to keep our clients aware of progress as well as any issues or complications that may arise. We share a common goal with Tri-Dam to produce effective and meaningful Part 12D reviews on time and within budget. All of our project management and quality assurance will be accomplished with this goal in mind.

For the safe and efficient transfer of information and files, we propose to use SharePoint sites that have predetermined user access. New users can be added as the need arises. User access requires a link and password to help ensure only authorized users have access. Once the project is complete, the SharePoint site is taken down and all files removed. This method has been used successfully for all our Part 12D reviews as well as other projects requiring large CUI/CEII file sharing. There is no limit to the size or number of files located within the SharePoint site. The information will be organized into folders by each dam with appropriate subfolders as needed.

Quality Assurance (QA) is a way of preventing mistakes and defects. The goal is to create a culture that values quality and best practices to avoid errors and omissions in the first place. Quality Control (QC) is about detection and includes following established processes to find errors and omissions and correct them.

McMillen Jacobs' internal QA/QC internal program and procedures are based on the requirements of the USACE ER 1110-1-12 (Quality Management) and ER 1110-2-1150 (Engineering and Design for Civil Works Projects). We maintain a robust QA/QC program to ensure our products are consistently technically correct, well organized, and complete. We are committed to delivering a high quality of service and products at every level of the team and every aspect of the work. Our proposed QA/QC reviewers, Catrin Bryan and Marc Ryan are highly



qualified and will provide a technical review that is focused on FERC requirements and regulations. They are both FERC-approved ICs which provides them with additional insight to help ensure the Part 12D review is comprehensive and thorough. This will also be a key role for Brooke Weeks, who will rely on her FERC experience to help ensure the best product possible. In addition, the Co-ICs will automatically provide a check on each other's work and serve as an additional QA/QC review throughout the entire review process.

For all of our projects, QA/QC:

- Is integrated into our project execution.
- Starts at the proposal phase.
- Requires a formal process.
- Requires written documentation.
- Is comprehensive.
- Requires accountability and responsibility of every team member.



We are committed to QA/QC and keep this as a priority within all of our projects. Our QA/QC process ensures high-quality products are consistently delivered and establishes our industry reputation.

B.1.3 Project Scope of Work

The project scope of work will include the following tasks:

B.1.3.1 Task 1 – Project Management and Meetings

Project management including schedules, quality of work, and budgets are an important component of the Part 12D review and will be integral throughout the process.

Although actions can be delegated, the Project Manager (PM), Rick Scott, carries the responsibility of delivering a quality project. The PM works with the project team to ensure the implementation of the QA/QC Plan. The PM keeps the client updated on progress as well as budgets, schedules, outstanding action items, and other pertinent project updates.

Prior to the field inspection, a project kickoff conference call will be held with Tri-Dam to discuss the status of recommendations in the last Part 12D reports, studies or analyses completed since the last Part 12D reports, and any outstanding issues with the FERC or DSOD. As needed, we will hold conference calls to discuss the draft Part 12D reports, the ICs recommendations, and Tri-Dam's comments. In addition, the Co-ICs will participate in a conference call with Tri-Dam and FERC before the field inspections to discuss FERC's expectations for the Part 12D inspections and PFMA reviews.

Assumptions: In addition to the FERC kickoff meeting, we have budgeted for ongoing coordination meetings. Project management will be an integral function throughout the life of the project. The goal to produce effective and meaningful Part 12D reviews on time and within budget will be paramount in all project management efforts.

Deliverables: Monthly progress reports with accompanying invoices. Progress reports will document past activities, identify upcoming activities, and identify potential issues or concerns that may arise.



B.1.3.2 Task 2 – Review STIDs and Project Documentation

Shortly after receiving the notice to proceed, the ICs will review pertinent project background documentation for each dam provided by Tri-Dam including:

- Project drawings
- Previous three Part 12D safety review reports
- Supporting Technical Information Documents (STID)
- Potential Failure Modes Analysis (PFMA) reports
- Dam Safety Surveillance and Monitoring Plans (DSSMP)
- Annual Dam Safety Surveillance and Monitoring Reports (DSSMR) since the last Part 12D review
- Operation and maintenance records
- Dam and reservoir operating procedures
- Geology and seismicity studies
- Stability analyses and supporting data
- Probable Maximum Flood (PMF) and Inflow Design Flood (IDF) reports
- Studies and analyses performed since the last Part 12D reports
- Dam break studies
- Emergency Action Plans (EAP)
- FERC annual operations inspection reports and other dam safety-related correspondence since last Part 12D reports
- DSOD correspondence since the last Part 12D reports

Brooke Weeks will also review project documentation and will serve as an additional set of eyes to ensure a comprehensive understanding of dam features, issues, and those changed conditions that could impact the Part 12D review.

In addition to the generic listing of the documentation above, we will also review those studies summarized in the Request for Proposal. Table B.1-1 below identifies the project team personnel who will be taking the lead on these reviews. The ICs will also be familiar with and understand the assumptions, methodologies, and implications resulting from each of the studies.

Table B.1-1. Studies Needing Review in our Scope of Work

Study to be reviewed	Reviewer/SME
1. IDF analysis for Beardsley and Donnells Dams according to Recommendation 35 of the 11th Part 12 Report.	Nathan Cox Brooke Weeks
2. The Filter compatibility study for Beardsley Dam according to Recommendation 36 of the 11th Part 12 Report.	Justin Phalen Rick Scott
3. Recommendation 28 of the Beardsley Dam 11th Part 12 Report to evaluate the potential for rock erosion to initiate in the unlined section of the rock chute of the spillway.	Courtney Johnson Noah Hornsby
4. The most recent PMF study that is presently undergoing revisions.	Nathan Cox Brooke Weeks
5. Evaluate the potential for flow to overtop the right channel wall and flow along the downstream face of the thrust block of the Donnells Dam according to the Recommendation 12 of the 11th Part 12 Report.	Nathan Cox Brooke Weeks
6. The Seismic stability and stress analysis for Donnells Dam according to the Recommendation 20 of the 11th Part 12 Report.	Gavin Smith Marc Ryan



7. The stability analysis of the Donnells Dam spillway according to the Recommendation 21 of the 11th Part 12 Report.	Gavin Smith
8. The analysis of the flow and uplift pressure measurement for the non-overflow structure foundation drains of Tulloch Dam according to the Recommendation 6 of the 11th Part 12 Report.	Gavin Smith Justin Phalen
9. The analysis of the qualitative assessment of the condition of each drain and flow for the formed monolith drains in the non-overflow structure of Tulloch Dam according to the Recommendation 7 of the 11th Part 12 Report.	Justin Phalen Rick Scott
10. The analysis of the potential for rock erosion to initiate in the unlined section of the rock chute for Tulloch Dam spillway according to the Recommendation 20 of the 11th Part 12 Report.	Courtney Johnson Noah Hornsby
11. Study related to the stability of the non-overflow section of Tulloch Dam according to Recommendation 27 of the 11th Part 12 Report.	Gavin Smith
12. The Stability Analysis of the Tulloch Dam under the condition of zero cohesion for the concrete/foundation interface.	Gavin Smith Justin Phalen
13. The seismic hazard analysis and the Seismic stability analysis for the Tulloch Spillway Dam.	Justin Phalen Marc Ryan Gavin Smith

Assumptions: All pertinent project data and documents will be made available through the SharePoint site. All document reviews will be completed prior to the onsite inspections and PFMA review sessions.

Deliverables: None anticipated. Document reviews will be incorporated into the draft Part 12D reports and will also identify areas of focus for the site inspection and PFMA.

B.1.3.3 Task 3 – Part 12D Independent Consultant’s Safety Inspections

Before the IC’s Safety Inspection (field inspection), we will complete the document reviews and commence the Part 12D reports. We believe proper preparation will result in a more effective inspection that focuses on those issues and potential areas of concern including the most critical PFMs. Our schedule allows for document review and draft report preparation prior to the field inspection.

The field inspection will be scheduled per Tri-Dam’s and FERC’s availability but should be performed as soon as conditions permit to ensure that all reports are complete before the December 1, 2022 deadline. The field inspections will include potential concerns identified in the previous Part 12D reports, the STIDs, and the PFMA reports as well as the general health of each structure. Special emphasis will also be placed on modifications or improvements made since the last Part 12D review.

Visible and accessible portions of the dams, abutments, and appurtenant structures will be inspected for evidence of leakage, concrete deterioration or cracking, settlement, and joint offsets. Earth embankments will focus on slope deformation, cracking, slumps, bulges, or uncontrolled leaks and seeps. Accessible portions of the power intake and powerhouse facilities will also be inspected. Project operations staff will be interviewed to develop a thorough understanding of operating and maintenance procedures. Interviews are often conducted informally during the inspection as different features and conditions are observed. We believe this approach is more efficient and more effective because features are discussed as they are being inspected. Some general information is gathered before the inspections, but this is considered as a starting point to ensure nothing significant is overlooked.

Where accessible, spillway chutes will be walked and inspected. Our understanding is that this will not be possible for all three dams. The spillways not accessible will be inspected from adjacent accessible areas.



The scope of the inspection will be limited to visible elements only and excludes covered, buried, or hidden conditions. The inspections will not include any special investigations, inaccessible inspections, geotechnical investigations, or materials testing. Inspection notes and inspection photos will be prepared at the end of the field inspection.

Assumptions: We have budgeted for three McMillen Jacobs' personnel to perform the inspections over a 1-1/2 day period. We plan to arrive the day before the inspections to allow a Monday morning start. If possible and agreeable to Tri-Dam, we are open to completing the inspections in one day. This will provide additional time for the PFMA sessions. Our budget assumes the inspections and PFMA sessions will require the full week with travel back anticipated for Friday evening. We have assumed travel to the project sites will be by vehicle. If confined space entry is required, we assume that Tri-Dam will provide all necessary equipment including harnesses, ventilation equipment, and gas meters. We will provide our own personal protective equipment.

Deliverables: Inspection notes and photographs will be incorporated into Section 5 of the Part 12D report.

B.1.3.4 Task 4 - PFMA Review Sessions



We propose to conduct the PFMA review sessions immediately following the field inspections during that same week. The Co-ICs will facilitate PFMA review sessions with Tri-Dam staff and the FERC. The Co-ICs will alternate the facilitation duties between the dams to help reduce potential repetition and ensure more comprehensive PFMA sessions. The note-taking for the PFMA sessions will be performed by Brooke Weeks. With her FERC tenure, Brooke has had intimate involvement with PFMA sessions and is well aware of the importance of accurately capturing discussions with key factors properly described.

Given the large number of existing PFMs, we estimate that the PFMA review sessions may take longer than the 3-1/2 days scheduled. To best meet this tight schedule, while ensuring that all credible PFMs are considered and properly reviewed, we will perform as much advanced preparation as possible. This will include identification and grouping of similar PFMS so that they can be more efficiently addressed and avoid repetitive discussions for each separate PFM. We will thoroughly review the existing PFMs to help ensure descriptions, supporting information, and positive and adverse factors are complete and in accordance with FERC requirements. We will also review surveillance and monitoring and risk reduction measures looking for any adjustments that might be needed. Our review will be captured in draft PFMA Review Summary tables. We will provide the tables to Tri-Dam for review and comments before the PFMA review sessions. Our advance review will help to reduce the time required for each PFMA resulting in greater efficiency.

We note the Tri-Dam response to question 5 states "We do not expect the Independent Consultant to develop additional PFMs as part of this scope of work,...". However, in our experience, FERC will generally require some effort to determine if there are any new credible PFMs. During our review of the project documentation, we will note changes in dam behavior and/or changed conditions at the dams that might require the development of a new PFM to adequately capture current conditions. We also note the significant number of PFMs that have already been developed (nearly 90) and will be looking for opportunities to either retire or reclassify those that are no longer credible. For PFMs to be most effective, there should be a limited number to allow for proper surveillance



and monitoring. Having nearly 90 PFMs at a single dam defeats the purpose of focused surveillance and monitoring. Our PFMA preparation will include an effort to reduce the number of credible PFMs identified but we will also keep in mind that new PFMs could be warranted. Therefore, we will set aside time for limited brainstorming at the beginning of each session with an emphasis on any changed conditions or dam behavior since the last PFMA session. We believe brainstorming can be an important component of PFMA and will often result in a better understanding of conditions and issues at each facility. With the help of the summary tables, all PFMA team members will be asked to be prepared to discuss any new PFMs.

During each PFMA review session, the team will use the summary table to record possible new PFMs, identify new PFMs to be developed, and document changes to the existing PFMs. However, given the number of existing PFMs already developed, we want to emphasize that the brainstorming efforts will be greatly abbreviated. Also, the details of each PFM will be updated based on the discussions by the participants. If more time is needed to fully complete the PFM write-ups, we propose completing the PFMA Summary Review tables after the review sessions. The updated tables would be provided to the participants and then discussed and finalized via virtual meetings. The summary PFMA review tables will be similar to those provided by Tri-Dam. We have used tables such as these for previous PFMA review sessions and have found them to be useful in focussing discussions as well as in the preparation of the PFMA reports. We will also ensure there is adequate time allocated to discuss major findings and understandings. Our experience shows this is an important component of the PFMA and serves as an excellent resource in building the case for developed PFMs as well as those not developed. They can also provide valuable background for future use.

Assumptions: We have budgeted 3-1/2 days for in-person PFMA sessions with an additional two days conducted virtually to wrap up any unfinished PFMs and complete the PFMA session. It is our experience that as PFMA sessions progress to the end of the week, discussions can become rushed and the development of the remaining PFMs less complete. By budgeting for two additional days, this will help to eliminate this possibility. We plan to commence the PFMA Immediately following the field inspection. We are also open to longer than eight-hour days if Tri-Dam prefers to complete the PFMA over one week. We have assumed that Tri-Dam will provide a conference room setting for the PFMA sessions.

Deliverables: Draft PFMA Review Summary tables and updated PFMA Review Summary tables.

PFMA Supplemental reports documenting the discussions and changes to the PFMs. The PFMA Supplemental reports will be provided in a format that will allow easy incorporation into Section 1 of the STID. The PFMA Supplemental reports will be completed within 4 weeks of the PFMA sessions. It is important they are completed in a timely manner to help ensure the reports accurately portray the outcome of the sessions. Draft reports will be submitted to Tri-Dam for review and comment and final reports will be submitted once all comments have been received and incorporated. The **Project Schedule** in **Section B.2** shows our proposed schedule. We have allowed for at least 2 weeks for Tri-Dam review of the draft reports.

B.1.3.5 Task 5 – Prepare Draft Part 12D Reports

The draft report content will rely on the pertinent project materials and STID information reviewed in Task 1, the information obtained during the field inspection, and the results of the PFMA review session. We will provide recommendations for modifications to the surveillance and monitoring programs and STIDs based on the above criteria. We understand the importance of meaningful recommendations that contribute to a robust and effective dam safety program. We adhere to the philosophy that all recommendations should clearly and concisely describe a corrective action, add value to the dam safety program, can be reasonably accomplished, and are based on an



accurate understanding of current conditions at the dam. We also understand that all IC final decisions regarding recommendations are to be made independently of the licensee, its employees, and its representatives. Given this FERC requirement, we will ensure that our recommendations remain independent, but we will always make sure our recommendations are based on a thorough understanding of conditions and potential issues at each dam.

The Part 12D Safety Inspection reports will be prepared consistent with FERC requirements. The reports will contain the following items, as required in the FERC Part 12D Safety Inspection Report Outline in Appendix H of Chapter 14 – Monitoring the Performance of Dams, updated July 1, 2005:

1. Findings and Recommendations
2. Project Description
3. Discussion of PFMA Report
4. Surveillance and Monitoring with respect to PFMs
5. Field Inspection
6. Operations and Maintenance Programs Relative to PFMs
7. Assessment of STID
8. Appendices



Assumptions: Preparation of draft reports will begin prior to the field inspections. We have scheduled a minimum of 10 working days for Tri-Dam review. Comments and edits are assumed to be made using tracked changes. Draft reports will be submitted to Tri-Dam on a staggered basis as shown on the Project Schedule provided in **Section B.2**.

Deliverables: One copy of each draft Part 12D report in electronic MS Word format to enable comments and suggested edits using tracked changes. Appendices will be provided in PDF format.

B.1.3.6 Task 6 – Issue Final Part 12D Reports

We will incorporate Tri-Dam’s comments and submit the final Part 12D reports and Section 1 STID updates by the dates shown in Section B.2. We will stagger the reports to reduce the possibility of overloading Tri-Dam personnel. We will also be available to assist Tri-Dam in responses to FERC comments. Depending on the extent of the comments, an additional budget may be required. Although a FERC response budget is not included in our proposal, it is our experience that a surplus budget at the completion of the project can often be sufficient to cover responses if they are not extensive.

Assumptions: We have allowed approximately five working days for Tri-Dam reviews. We anticipate only minor revisions to the final report due to the Tri-Dam draft review and ongoing regular communication to resolve issues and discrepancies.

Deliverables: As noted in the RFP, hard copies of each Part 12D report are not required. Each final report will consist of one electronic copy of each Part 12D report with appendices in PDF format and the Part 12D text in MS Word and PDF format. If requested, we will also draft the letter to FERC that describes the plan and schedule for addressing the resulting recommendations.



B.2 Schedule



Key Elements

- ✓ Our management team has considered the scope of work described in this RFP along with our current workload and is confident we can complete this project by December 1, 2022, as requested.
- ✓ Our proposed schedule has significant float so that any delays to the milestones shown below will not result in a delay to the December 1, 2022 deadline.

Our proposed schedule (Table B.2-1) for conducting the Part 12D reviews is provided for illustrative purposes only. We have made several assumptions in developing this schedule and understand that adjustments will be likely. However, our proposed schedule has significant float so that any delays to the milestones shown below will not result in a delay to the December 1, 2022 deadline. We have shown the week of June 27, 2022 to complete the field inspection and PFMA review but understand this week is tentative based on Tri-Dam and FERC availability as well as meeting the requirement of performing the PFMA at least 90 days after the FERC conference call.

The final schedule will be developed in close communication with Tri-Dam. We share a common goal with Tri-Dam to ensure that FERC deadlines are met and will adjust our work schedules to meet this end.

We will stagger the Part 12D reports to allow sufficient time for review and reduce interruption of regular operational duties by Tri-Dam. Draft report submittals to Tri-Dam will begin one month after completion of the PFMA session and the final reports will be completed well before the December 1 deadline. We will allow a minimum of ten working days per draft report for Tri-Dam review and an additional five working days for review of the final report before submittal. Our schedule includes Tri-Dam review time and incorporation of comments into the final report. The schedule is summarized below.

Our key assumptions include the following:

- Contract award January 14, 2022
- IC Approval no later than March 18, 2022
- FERC call March 25, 2022 to meet the 90 days prior to the PFMA requirement
- PFMA review duration has been extended to allow for virtual wrap-up and account for July 4th holiday

We are confident in meeting the December 1, 2022 deadline as described in the RFP documents.



There will be continual communication with Tri-Dam throughout the process which helps reduce the amount of time required for reviews as well as reduce the potential of unexpected findings.

Table B.2-1. Proposed Part 12D Summary Schedule

Task #	Task Description	Start	Finish
1	Project Management and Meetings FERC Conference Call	1/17/2022 3/25/2022	12/1/2022
2	Review Documents	3/18/2022	6/20/2022
3	Conduct Part 12D Field Inspection (1.5 days)	6/27/2022	6/28/2022
4	Conduct PFMA Review Session (3.5 days of in-person meetings + 2 days of virtual meetings)	6/28/2022	7/15/2022
	Submit draft PFMA reports	8/12/2022	
	Submit final PFMA reports	9/9/2022	
5	Prepare Draft Part 12D Reports Tulloch Beardsley Donnells	5/2/2022 5/2/2022 5/2/2022 5/2/2022	9/12/2022 8/15/2022 8/29/2022 9/12/2022
6	Issue Final Part 12D Reports Tulloch Beardsley Donnells	8/29/2022 8/29/2022 9/12/2022 9/26/2022	10/17/2022 9/16/2022 9/30/2022 10/17/2022

C. Fee Schedule



C.1 Cost Schedule



Key Elements

- ✓ Our budget has been developed based on our extensive experience in performing this type of work.
- ✓ Our estimated costs have been reviewed by our director of operations who brings over 15 years of experience creating and adhering to similar budgets.
- ✓ Our processes and best practices ensure accurate and timely coding of staff hours allowing for immediate corrections if necessary.
- ✓ Ask our clients; they will verify we have maintained our strong reputation at consistently delivering FERC Part 12D inspections and reports on time and within budget.

C.1.1 Cost Breakdown

We have attached to this section a cost breakdown (Table C-1) showing our total “not to exceed” cost for all the services and work described in the RFP. The costs are itemized by each task on a time and material basis. Labor rates for the Key Personnel and anticipated billable expenses related to travel are included.

C.1.2 Ability to Maintain the Budget

Project Manager Rick Scott is responsible for budget conformance under this contract. Our cost presented was prepared based on a comprehensive understanding of the scope of work presented in the RFP and the number of manhours determined to accomplish the work. Our established processes ensure the original budget contains all required efforts—from document reviews to internal QA/QC reviews on deliverables. We also build sufficient time in the schedule for client reviews and any necessary third-party approvals.

The cost estimate included in this submittal has been reviewed and approved by our director of operations who has over 15 years of experience developing similar budgets and monitoring their progress. His reviews have contributed to our strong reputation for providing budgets that are accurate and realistic.

After the contract is awarded, the next important activity is clear communication to ensure the individual work tasks accurately reflect the required scope of work. “Frank and open” dialog will be key in identifying expectations, determining risks that could impact the budget or schedule, and developing a plan to mitigate



those risks that likely have the greatest impact. A clear understanding of the goals and objectives coupled with effective manpower scheduling can achieve the established deadlines.

As the project progresses, Rick and our director of operations will closely monitor the schedule—which directly relates to the budget. A project number is dedicated to each project in Spectrum and all hours spent each week are coded to that project number.

Budgeted hours for each task are communicated to the applicable staff at the beginning of the project. If there are unforeseen issues that cause anyone to exceed their budget, this is communicated immediately so that adjustments can be made. In cases where the budget cannot be made up elsewhere, McMillen Jacobs has absorbed costs if necessary. If there are legitimate reasons for requiring additional hours, this is communicated to the client early to ensure a successful resolution. Staff is trained to ensure they are reporting their time correctly and consistently every week. Weekly and monthly reports identify costs incurred, percent complete, and over (under) cost compared to budget. The Project Manager reviews monthly invoices before sending them to the client for accuracy in hours, reimbursable costs, current contract amount, and percent complete.

If a project is trending or forecasted to be over budget, we can catch that early. We then quickly implement corrective actions to improve costs and complete the work on (or under) budget. Asking the right questions is key to determining the best corrective actions.

1. Who is billing time to the project?
2. What have they accomplished? If not as much as anticipated, do they need additional training?
3. Are assignments distributed to the right person? Wise use of junior engineers (running calculations or administrative duties) can allow higher-paid experts to focus their time on more complex problem-solving.
4. Are there items being designed that are outside of the scope of the contract?
5. Was the scope of work changed but not the budget?

What
our clients
say...

Proven Performance Controlling Cost & Maintaining Budgets



“The McMillen technical capabilities are broad and deep and has allowed them to develop solutions that are **innovative** and creative and **acceptable to regulatory agencies** constructed **on time and budget.**” – J Esler, Portland General Electric

“McMillen has remained committed to **hitting our target date with no increase** in the budget.” – Paul Kline, IDFG Assistant Bureau Chief

“After careful consultation between agency representatives and SEAPA, McMillen proposed a modified schedule and process to the agencies that ultimately shortened our license amendment filing by approximately one year. This multiple objective project is **on schedule and within budget.** (re: Swan Lake Dam Raise) – SEAPA Eric Wolfe, Director of Special Projects

**TRI-DAM 2022 FERC PART 12D SAFETY INSPECTION REPORT
COST ESTIMATE**

TASK	DESCRIPTION	McMILLEN JACOBS											Slate - Subconsultant						Combined			
		Independent Consultant Scott	Dam Safety Support Weeks	QA/QC Bryan	Structural Smith	Hydrologic & Hydraulic Cox	Scour Erosion Hornsby	Senior Editor	Project Support	MJM Total Hours by Task	LABOR	EXPENSES <i>flights, car and per diem</i>	TOTAL	Independent Consultant Phalen	Geology Johnson	QA/QC Ryan	Slate Total Hours by Task	LABOR	EXPENSES <i>flights, car and per diem</i>	TOTAL	Total Hours by Task	Total by Task
1	Project Management and Meetings	24	8						2	34	\$7,140		\$7,140	8			8	\$2,200		\$2,200	42	\$9,340
2	Review Documents	24	24	8	16	16	8		2	98	\$19,540		\$19,540	24	12	8	44	\$12,100		\$12,100	142	\$31,640
3	Conduct Part 12D Field Inspection	16	16						2	34	\$6,580	\$4,000	\$10,580	16			16	\$4,400	\$1,800	\$6,200	50	\$16,780
4	Conduct PFMA Review	40	40							80	\$16,000		\$16,000	40			40	\$11,000		\$11,000	120	\$27,000
5	Prepare Draft Part 12D Report	120	120	12	12	12	4	40	2	322	\$61,000		\$61,000	120	12	12	144	\$39,600		\$39,600	466	\$100,600
6	Issue Final Part 12D Reports	40	20						2	62	\$12,880		\$12,880	40			40	\$11,000		\$11,000	102	\$23,880
	TOTAL HOURS	264	228	20	28	28	12	40	10	630	\$123,140	\$4,000	\$127,140	248	24	20	292	\$80,300	\$1,800	\$82,100	922	\$209,240
	RATE	\$235	\$165	\$235	\$195	\$220	\$155	\$110	\$90					\$ 275	\$ 275	\$ 275						
	LABOR COST	\$62,040	\$37,620	\$4,700	\$5,460	\$6,160	\$1,860	\$4,400	\$900													

PROJECT TOTAL: \$209,240



C.2 Hourly Billing Rates



C.2.1 Hourly Rates

In addition to our detailed cost spreadsheet, we have provided a listing of the hourly rates for all personnel and categories of employees. We do not bill overhead charges or profit on subconsultants.

McMillen Jacobs Associates Engineering Services
2022 Rate Sheet



Discipline	Role	Year 1
Principal	Principal	\$265
QA/QC	QA/QC - Senior QA/QC - Staff	\$250 \$210
Project Management	Project Manager - Senior Project Manager - Staff II Project Manager - Staff I	\$245 \$215 \$185
Civil	Civil Engineer - Senior Civil Engineer - Staff II Civil Engineer - Staff I Civil Engineer - Junior	\$225 \$190 \$155 \$120
Hydraulics	Hydraulics & Hydrology Engineer - Senior Hydraulics & Hydrology Engineer - Staff II Hydraulics & Hydrology Engineer - Staff I Hydraulics & Hydrology Engineer - Junior	\$220 \$185 \$155 \$120
Structural	Structural Engineer - Senior Structural Engineer - Staff II Structural Engineer - Staff I Structural Engineer - Junior	\$235 \$195 \$155 \$120
Mechanical	Mechanical Engineer - Senior Mechanical Engineer - Staff II Mechanical Engineer - Staff I Mechanical Engineer - Junior	\$235 \$195 \$160 \$120
Electrical	Electrical Engineer - Senior Electrical Engineer - Staff II Electrical Engineer - Staff I Electrical Engineer - Junior Fire Protection Engineer - Senior	\$235 \$195 \$155 \$120 \$230
Geotechnical	Geotechnical - Tunnel Specialist Geotechnical - Senior Geotechnical - Staff II Geotechnical - Staff I Geotechnical - Junior	\$275 \$235 \$195 \$155 \$120
Dam Safety	Dam Safety - Senior Dam Safety - Staff II Dam Safety - Staff I Dam Safety - Junior	\$235 \$195 \$165 \$120
Fisheries	Fisheries Engineer - Senior Fisheries Engineer - Staff II Fisheries Engineer - Staff I Fisheries Engineer - Junior	\$225 \$190 \$155 \$120
Biologist	Biologist - Senior Biologist - Staff II	\$195 \$150

	Biologist - Staff I Biologist - Junior	\$150 \$115
Permitting	Permitting - Senior Permitting - Staff Permitting - Junior	\$170 \$145 \$125
Regulatory & Licensing	Regulatory & Licensing Specialist - Senior Regulatory & Licensing Specialist - Staff II Regulatory & Licensing Specialist - Staff I Regulatory & Licensing Specialist - Junior	\$195 \$175 \$150 \$115
Cost Estimating	Cost Estimator - Senior Cost Estimator - Staff Cost Estimator - Junior	\$200 \$165 \$120
Geographic Information System	GIS Analyst - Staff GIS Analyst - Junior	\$145 \$90
CADD	CAD Designer - Senior CAD Designer - Staff CAD Drafter - Senior CAD Drafter - Staff	\$160 \$140 \$120 \$100
Admin. / Tech. Editing	Accounting Admin Project Assistant Technical Editor	\$95 \$95 \$110

GENERAL MANAGER BOARD REPORT

Jarom Zimmerman

January 20, 2022

1. The Annual Security Certification, Beardsley Filter Compatibility Study, Tulloch Stability Analysis, and Inflow Design Flood (IDF) results have been submitted to FERC. The IDF did not lower the overtopping of Beardsley Dam during the Probable Maximum Flood, so we proposed an early notification procedure for downstream facilities to alleviate the risk of loss of life in the event of a dam breach. I imagine there will be additional discussion with FERC on our mitigation plan once they have had a chance to review the reports.
2. We have begun work on the annual Dam Safety Surveillance and Monitoring Reports (DSSMR) with Wayne Edwards. The DSSMR is a report that presents a careful analysis, evaluation, and interpretation of the dam safety surveillance and monitoring data, and provides findings on the overall performance of the dam. The Dam Safety Surveillance Program is developed from the Potential Failure Modes of the dam, and is used to mitigate the risk of those modes occurring. The DSSMR evaluations the effectiveness of that program.
3. We have quite a few employees out with COVID again this week as we are starting our annual maintenance on Tulloch Powerhouse. Most are recovering quickly, so we hope to have everyone back again by next week.
4. There is no significant precipitation forecasted for the next week, but the NWS Climate Prediction Center's three-month outlook, issued on December 16, 2021, predicts increased chances of below normal temperatures and equal chances of above or below normal precipitation for the northern half of California. Equal chances of above or below normal precipitation is a much better outlook than we started with last Fall, and we are already ahead of cumulative precipitation for the entire 2021 water year.
5. We will be conducting each employee's annual performance review in the next few weeks. Everyone is given an annual performance review, along with a 6-month performance discussion on areas in need of improvement and areas that meet or exceed expectations. These really help ensure performance expectations are being clearly discussed between supervisors and employees.

OPERATIONS AND MAINTENANCE MANAGER BOARD REPORT

Chris Tuggle
January 20, 2022

OPERATIONS:

Reservoir Data (A/F):

FACILITY	STORAGE	MONTH CHANGE
Donnells	23,284	(6,483)
Beardsley	58,188	(13,964)
Tulloch	54,279	(1,880)
New Melones	940,986	80,246

Outages:

Plant	Dates	Duration	Cause
Beardsley	12/2/21	2:56 H/M	Water leak in the generator cooling water line.

Operations Report:

New Melones Inflows:

Total inflows for water year 21/22: 178,287 A/F.

District Usage:

Total District usage for the water year 21/22: 15,904 A/F.

Precipitation:

Total precipitation for the month of December was 13.37 inches.

Other Activities:

1. PG&E Line outages.
2. Assisted maintenance on multiple projects.
3. Safely conducted LOTO for the Donnell Powerhouse annual maintenance.
4. Completed the annual FERC Security Checklist for all Dams.

MAINTENANCE:

Donnell:

1. Powerhouse Annual Maintenance December 1st – 16th.

Beardsley:

1. Equipment in service.

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. Conducted road maintenance in various locations.
4. Plowed Snow!
5. Repaired cooling water line for Beardsley Generator.
6. Replaced the gate to the Sandbar Powerhouse Bridge.

BEARDSLEY PRECIPITATION

YEAR	JUL	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
1958-59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.40	1.39	1.40	1.04	0.00	11.23
1959-60	0.00	0.03	3.09	0.00	0.00	1.92	5.74	8.38	4.68	2.45	0.35	0.00	26.64
1960-61	0.05	0.00	0.44	0.63	5.33	2.43	1.60	3.04	4.96	1.49	1.84	0.29	22.10
1961-62	0.21	1.12	0.77	0.70	3.39	2.98	2.04	15.32	6.13	1.12	1.04	0.02	34.84
1962-63	0.30	0.16	0.35	2.98	1.05	2.66	5.91	8.37	6.08	8.24	3.70	0.74	40.54
1963-64	0.00	0.44	0.59	2.63	7.81	0.81	5.84	0.21	3.02	2.01	2.44	1.64	27.44
1964-65	0.00	0.00	0.34	2.08	7.40	17.93	5.90	1.34	2.44	5.27	0.32	0.29	43.31
1965-66	0.00	1.47	0.60	0.47	12.38	4.59	1.68	2.33	1.00	2.39	0.43	0.10	27.44
1966-67	0.13	0.00	0.28	0.00	7.55	8.48	8.77	0.67	10.02	10.25	2.04	1.05	49.24
1967-68	0.00	0.39	0.90	0.54	2.47	3.35	4.94	4.81	3.48	0.73	1.44	0.02	23.07
1968-69	0.10	0.65	0.00	2.12	6.22	8.28	19.45	8.35	1.88	3.39	0.21	0.39	51.04
1969-70	0.00	0.00	0.55	3.41	2.98	6.46	17.06	3.11	3.43	2.50	0.00	3.17	42.67
1970-71	0.00	0.00	0.00	0.91	10.71	8.44	2.83	1.16	4.87	1.49	1.80	0.77	32.98
1971-72	0.00	0.02	0.29	1.22	6.22	10.31	2.39	2.78	1.01	4.03	0.10	1.62	29.99
1972-73	0.00	0.58	0.17	1.85	6.27	5.57	12.08	12.06	5.31	1.11	0.72	0.74	46.46
1973-74	0.05	0.18	0.07	3.65	9.88	9.10	5.08	1.84	8.18	5.15	0.02	0.07	43.27
1974-75	2.57	0.10	0.00	2.82	2.38	4.95	4.25	10.16	9.90	5.41	0.84	0.63	44.01
1975-76	0.03	2.02	0.15	6.75	2.04	0.74	0.49	3.03	2.66	2.42	0.91	0.05	21.29
1976-77	0.10	2.43	1.00	0.93	1.54	0.24	2.50	2.68	2.06	0.25	4.65	0.38	18.76 RECORD LOW
1977-78	0.00	0.00	0.58	0.24	4.76	9.72	10.85	8.31	8.67	7.97	0.19	0.23	51.52
1978-79	0.08	0.00	3.98	0.07	3.17	4.43	8.45	7.60	6.05	1.86	2.88	0.02	38.59
1979-80	0.17	0.03	0.00	4.66	4.63	5.22	14.62	13.03	3.61	3.09	4.33	0.77	54.16
1980-81	0.43	0.02	0.03	0.71	0.58	3.04	8.05	2.69	6.26	1.67	1.42	0.00	24.90
1981-82	0.06	0.00	0.15	5.27	8.76	8.39	6.08	8.08	11.23	8.19	0.12	1.34	57.67
1982-83	0.03	0.02	4.02	8.78	11.30	7.32	10.83	14.34	12.86	6.29	0.74	0.12	76.65 RECORD HIGH
1983-84	0.01	0.09	3.86	1.35	16.44	12.75	0.27	5.51	3.56	2.70	0.84	1.31	48.69
1984-85	0.00	0.05	0.73	3.97	10.28	2.58	1.52	3.13	5.84	0.86	0.07	0.28	29.31
1985-86	0.30	0.12	2.64	3.09	7.71	4.52	4.70	21.98	8.43	2.37	1.58	0.00	57.44
1986-87	0.02	0.00	2.18	0.00	0.49	0.73	3.42	5.89	5.21	0.79	1.63	0.15	20.51
1987-88	0.00	0.00	0.00	2.19	2.22	5.79	5.42	0.88	0.73	3.15	1.66	0.79	22.83
1988-89	0.00	0.00	0.05	0.07	6.96	4.29	1.45	2.73	10.08	1.41	0.74	0.02	27.80
1989-90	0.00	0.33	3.28	4.30	3.02	0.00	4.75	3.40	2.75	1.66	3.46	0.21	27.16
1990-91	0.00	0.11	0.59	0.41	1.62	1.30	0.40	1.79	16.08	1.74	2.54	1.54	28.12
1991-92	0.17	0.10	0.32	5.54	2.32	3.10	1.97	7.68	4.58	0.45	0.45	1.66	28.34
1992-93	3.26	0.35	0.00	3.05	0.44	9.61	12.19	8.74	6.29	2.07	1.24	2.43	49.67
1993-94	0.00	0.00	0.00	1.25	2.11	1.97	2.93	7.08	0.86	3.71	2.22	0.00	22.13
1994-95	0.00	0.00	0.77	2.82	7.92	3.68	18.32	1.14	18.76	6.98	6.72	1.02	68.13
1995-96	0.05	0.00	0.00	0.00	0.35	9.13	10.32	11.17	6.81	3.94	5.51	1.24	48.52
1996-97	0.05	0.01	0.23	2.55	7.14	16.19	18.16	0.80	0.53	0.82	0.51	1.24	48.23
1997-98	0.17	0.00	0.33	1.39	4.99	3.70	12.86	16.30	6.69	4.94	6.46	1.35	59.18
1998-99	0.00	0.00	2.84	0.49	5.12	3.13	8.93	9.71	2.63	3.03	1.28	1.03	38.19
1999-00	0.00	0.13	0.18	1.05	3.51	0.51	11.68	14.13	2.58	3.70	2.72	1.06	41.25
2000-01	0.00	0.07	0.96	3.17	1.01	1.59	4.69	4.70	3.08	5.39	0.00	0.07	24.73
2001-02	0.02	0.00	0.60	1.17	6.97	9.75	2.56	2.13	6.88	2.29	2.02	0.00	34.39
2002-03	0.00	0.00	0.09	0.00	7.42	11.17	1.12	3.50	3.81	9.36	2.69	0.00	39.16
2003-04	0.09	1.32	0.06	0.00	2.88	9.97	2.79	8.52	1.07	0.17	0.55	0.02	27.44
2004-05	0.02	0.00	0.19	7.66	2.93	6.67	10.52	6.95	9.35	3.35	5.76	0.80	54.20
2005-06	0.00	0.11	0.71	1.70	3.34	17.72	7.75	5.26	10.14	10.55	1.97	0.10	59.35
2006-07	0.08	0.00	0.01	1.53	3.56	5.25	2.08	8.70	1.30	2.61	1.33	0.10	26.55
2007-08	0.01	0.17	0.34	1.02	0.95	5.01	10.15	6.69	0.87	0.26	2.85	0.00	28.32
2008-09	0.00	0.00	0.00	1.65	6.17	5.08	5.88	6.98	6.78	1.97	3.37	0.79	38.67
2009-10	0.00	0.10	0.00	4.37	1.31	5.89	7.97	5.86	4.92	6.66	3.65	0.06	40.79
2010-11	0.00	0.00	0.00	8.67	7.15	14.21	2.15	5.76	15.22	1.94	2.94	3.21	61.25
2011-12	0.00	0.00	1.56	3.13	1.77	0.00	6.25	1.62	5.96	4.76	0.37	0.92	26.34
2012-13	0.00	0.00	0.00	1.27	5.78	12.56	0.64	0.93	3.26	1.11	1.48	0.80	27.83
2013-14	0.00	0.00	0.72	0.56	1.80	1.22	1.59	9.23	6.17	3.43	0.98	0.05	25.75
2014-15	0.52	0.03	1.03	0.15	3.72	7.25	0.13	4.49	0.43	3.08	2.75	0.80	24.38
2015-16	0.39	0.00	0.11	2.26	5.36	9.74	9.53	1.74	9.19	3.13	1.82	0.34	43.61
2016-17	0.00	0.00	0.00	7.26	3.19	8.30	22.25	20.47	5.49	8.06	0.59	0.46	76.07
2017-18	0.00	0.09	1.44	0.50	7.34	0.42	5.20	0.76	14.50	3.70	1.02	0.00	34.97
2018-19	0.00	0.00	0.00	1.92	8.21	3.07	9.84	15.37	8.97	2.07	7.43	0.46	57.34
2019-20	0.00	0.00	0.63	0.00	1.39	10.58	2.09	0.08	7.50	3.87	3.09	0.33	29.56
2020-21	0.00	0.23	0.10	0.00	2.38	3.40	7.28	2.44	2.83	1.31	0.18	0.00	20.15
2021-22	0.09	0.00	0.18	7.51	0.95	13.37	0.00	0.00	0.00	0.00	0.00	0.00	22.10 Current Year
Average	0.15	0.21	0.72	2.26	4.71	6.07	6.49	6.16	5.71	3.37	1.89	0.62	37.94
2021-22 +/-	(0.06)	(0.21)	(0.54)	5.25	(3.76)	7.30	(6.49)	(6.16)	(5.71)	(3.37)	(1.89)	(0.62)	(15.84)

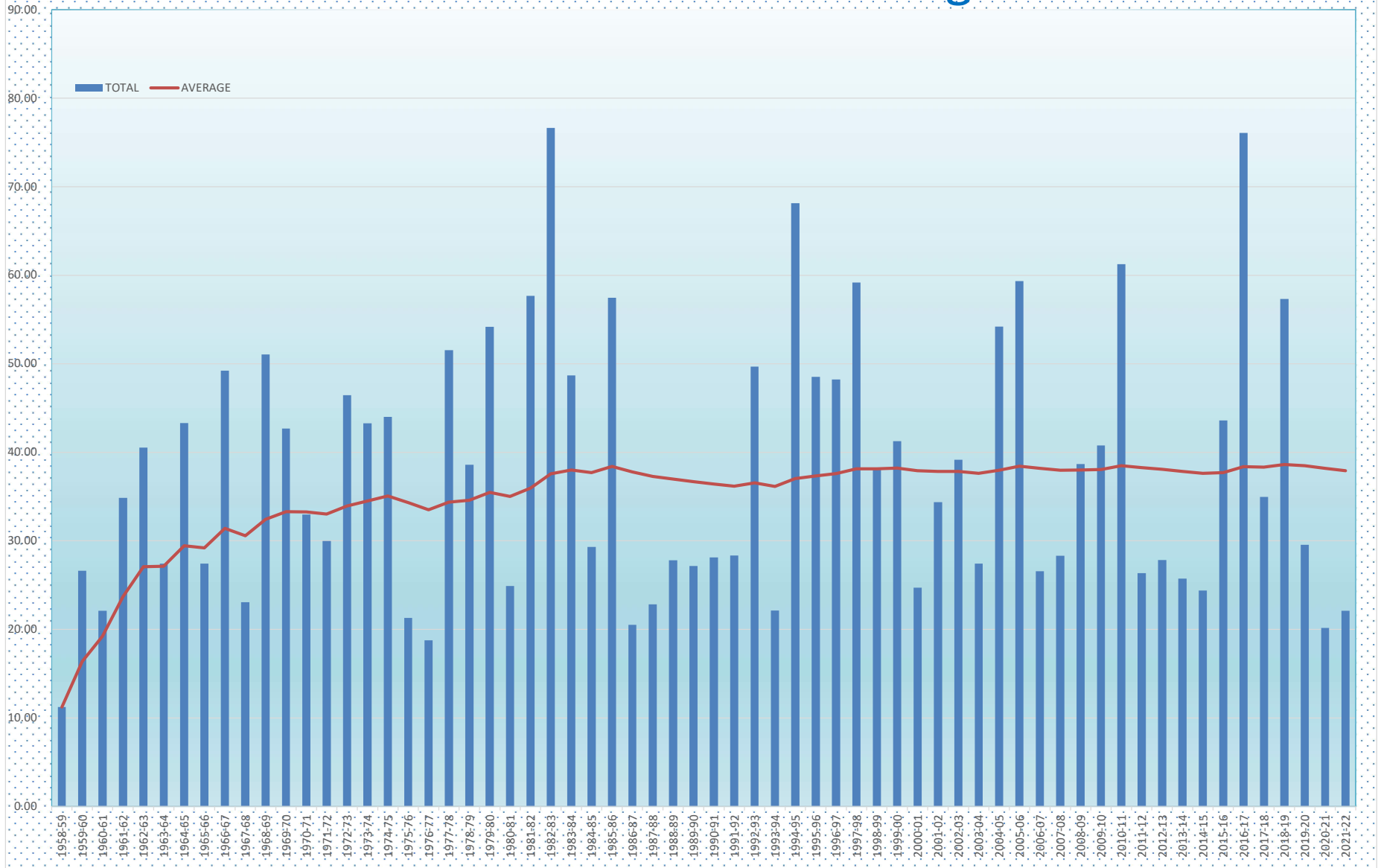
ANNUAL AVERAGE **37.94**

INCHES +/- ANNUAL AVERAGE **(15.84)**

PERCENT OF ANNUAL AVERAGE **58%**

Updated as of 6-Jan-22

Historical Rain VS Average



REGULATORY AFFAIRS BOARD REPORT

Susan Larson

January 20, 2022

FERC Compliance

- Following execution of the contracts in November 2021, and project kickoff in December 2021, pre-construction efforts continue on the Tulloch Day Use Project. The contractor plans to mobilize security fencing and equipment during the week of January 10, 2022, and begin construction during of week of January 17, 2022. The first phase of construction will begin with installation of the offsite water line for the Calaveras County Water District (CCWD), onsite utilities and grading. All work will be scheduled around current weather conditions, and deferred when needed. An extension was filed with FERC in December 2021, and included all of the updates regarding contractor selection and anticipated construction timing.
- Cultural Resources Monitoring. PAR Environmental finished the cultural resources monitoring by the end of the year as required, and in conformance with FERC guidelines.
- Beardsley A-Bay. Filed final report modifications to “as-built” Exhibit F drawings, and now following up on some additional mapping reviews.

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.



Tri-Dam Project Generation & Revenue Report 2021

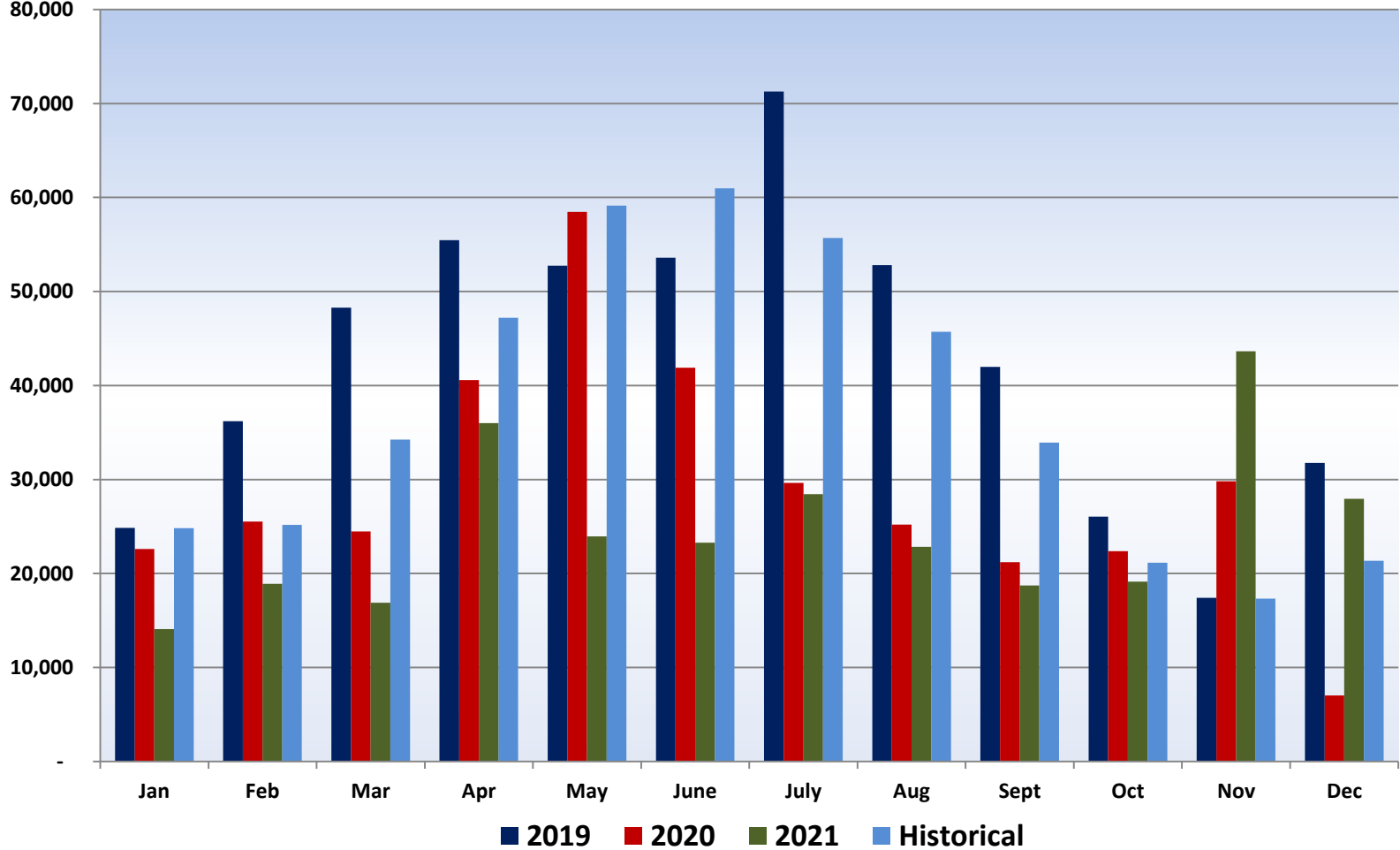
	Donnells				Beardsley			Tulloch			Project Total		
	Average Generation (1958-2018)	2021 Net Generation (kWh)	Avoided Generation (kWh)	2021 Energy Revenue	Average Generation (1958-2018)	2021 Net Generation (kWh)	2021 Energy Revenue	Average Generation (1958-2018)	2021 Net Generation (kWh)	2021 Energy Revenue	Average Generation (1958-2018)	2021 Net Generation (kWh)	2021 Energy Revenue
JAN	17,389,989	11,052,034	-	\$884,163	3,150,048	1,454,471	\$116,358	4,271,885	1,575,855	\$126,068	24,811,922	14,082,360	\$1,126,589
FEB	17,229,608	15,224,781	-	\$1,217,982	2,927,753	1,356,506	\$108,520	5,024,913	2,306,786	\$184,543	25,182,274	18,888,073	\$1,511,046
MAR	23,070,659	8,146,307	-	\$651,705	3,584,274	1,743,745	\$139,500	7,580,691	6,998,744	\$559,900	34,235,623	16,888,796	\$1,351,104
APR	31,686,865	19,684,384	-	\$1,574,751	4,717,464	2,156,914	\$172,553	10,811,027	14,149,852	\$1,131,988	47,215,356	35,991,151	\$2,879,292
MAY	41,216,149	6,968,984	-	\$557,519	5,799,593	1,875,573	\$150,046	12,131,040	15,103,809	\$1,208,305	59,146,782	23,948,366	\$1,915,869
JUN	42,555,036	5,330,181	-	\$426,414	6,336,073	1,130,982	\$90,479	12,084,818	16,800,913	\$1,344,073	60,975,928	23,262,075	\$1,860,966
JUL	36,444,466	8,965,044	-	\$717,204	6,629,514	1,002,776	\$80,222	12,609,174	18,473,357	\$1,477,869	55,683,154	28,441,177	\$2,275,294
AUG	27,568,740	6,440,758	-	\$515,261	6,269,748	624,157	\$49,933	11,868,293	15,777,238	\$1,262,179	45,706,781	22,842,153	\$1,827,372
SEP	20,111,167	8,376,022	-	\$670,082	5,223,523	527,094	\$42,168	8,577,620	9,810,853	\$784,868	33,912,310	18,713,968	\$1,497,117
OCT	12,743,535	12,718,989	-	\$1,017,519	3,752,220	547,676	\$43,814	4,664,124	5,877,029	\$470,162	21,159,879	19,143,693	\$1,531,495
NOV	12,042,987	36,061,228	-	\$2,884,898	2,794,775	6,243,509	\$499,481	2,487,256	1,330,675	\$106,454	17,325,019	43,635,412	\$3,490,833
DEC	14,354,891	19,565,288	-	\$1,565,223	3,713,920	6,471,933	\$517,755	3,288,702	1,904,510	\$152,361	21,357,513	27,941,731	\$2,235,338
Total	296,414,092	158,533,999	-	\$12,682,720	54,898,907	25,135,334	\$2,010,827	95,399,542	110,109,622	\$8,808,770	446,712,540	293,778,955	\$23,502,316

Note: Price per MWh is \$80.00

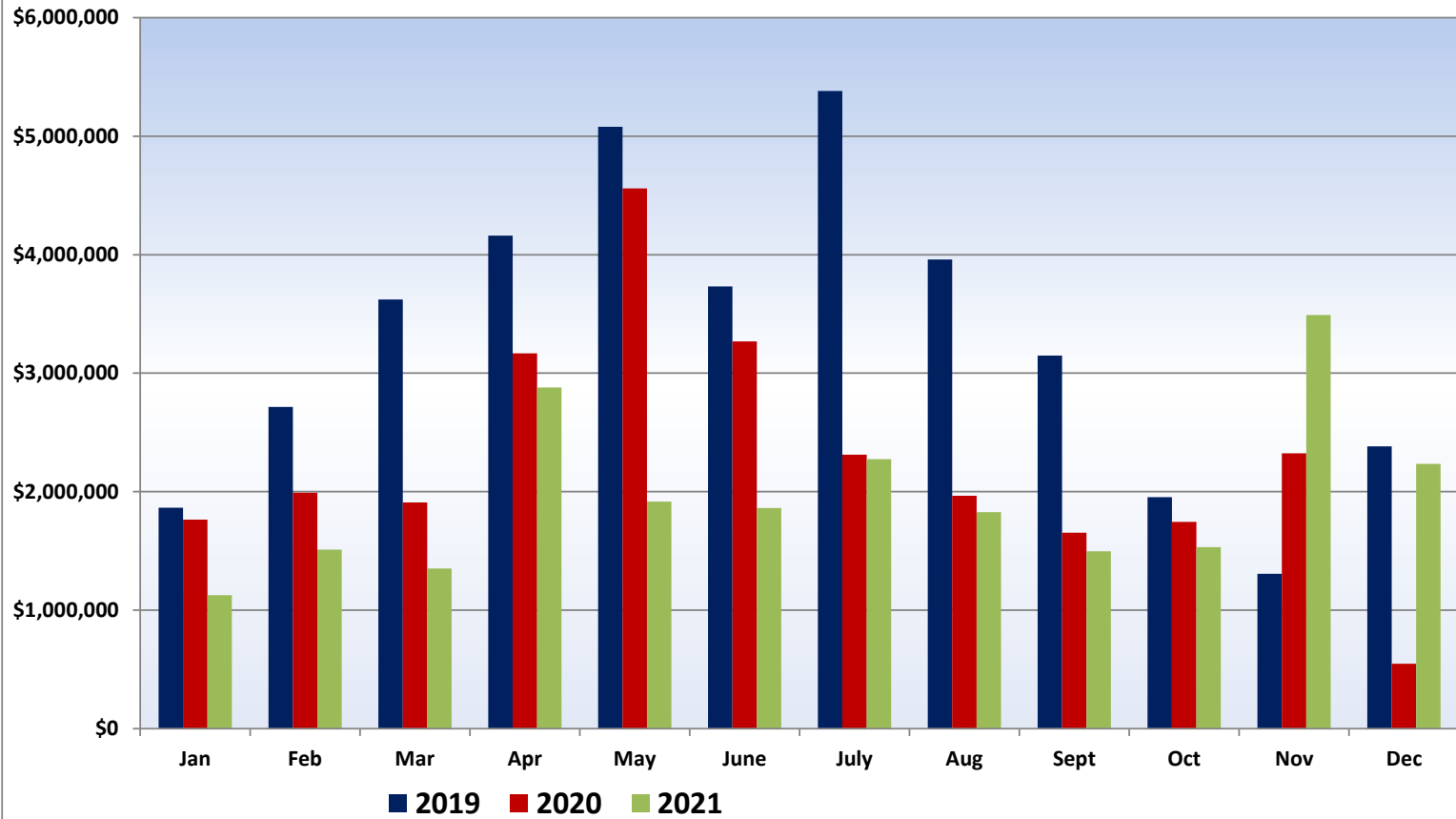
Tri-Dam Power Authority - Sand Bar

	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	9,381,774	\$750,542	\$0	\$750,542
DEC	5,554,123	11,171,697	\$893,736	\$0	\$893,736
Total	75,611,948	32,437,455	\$2,594,996	\$0	\$2,594,996

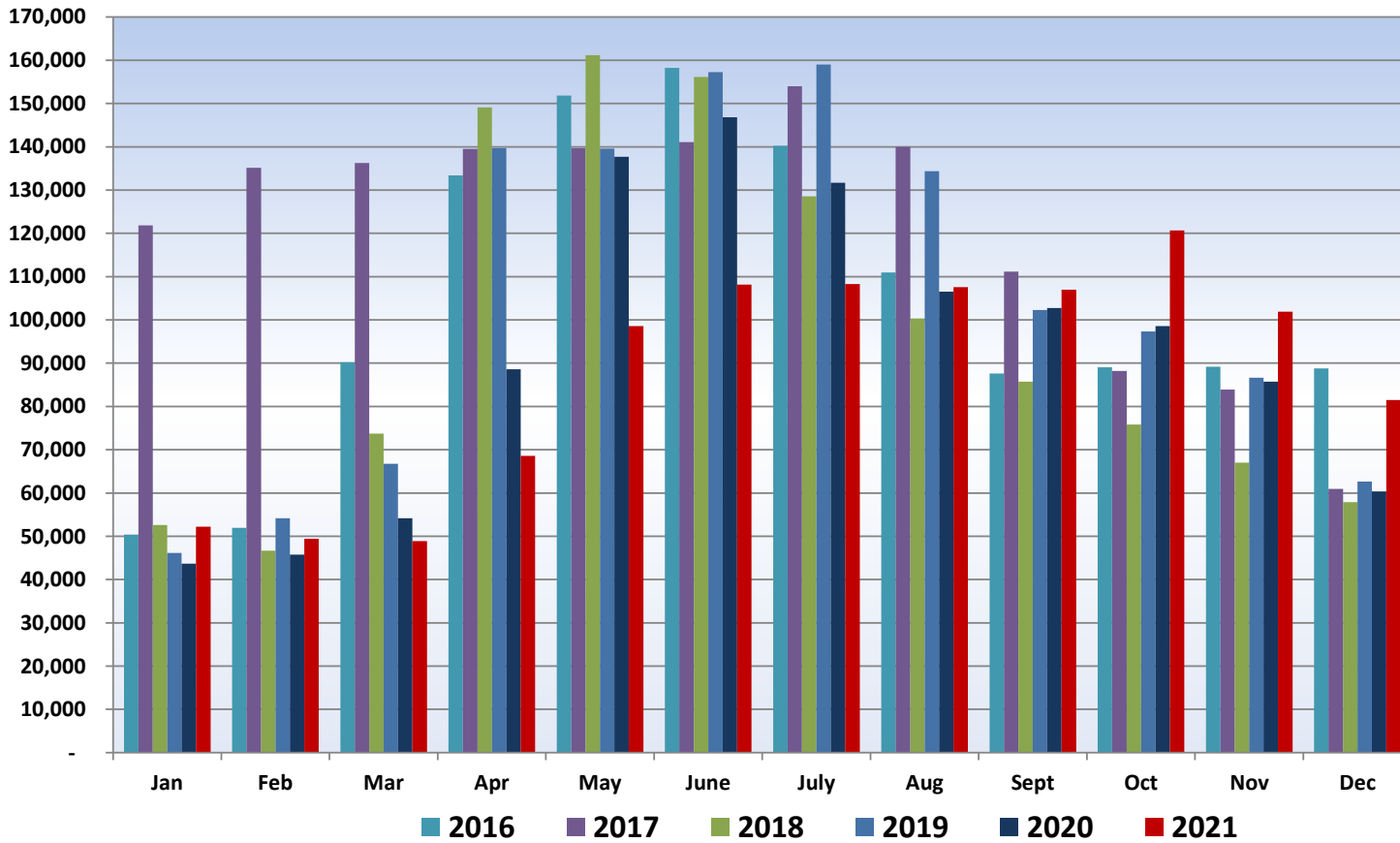
Tri-Dam Project Total Generation - MWh



Tri-Dam Project Generation Revenue



Tri-Dam Project Storage AF - Donnell & Beardsley



WESTERN PRICE SURVEY

[7] Exiting Cold Drops Demand, Prices

Energy prices across the West generally dropped as temperatures returned to near seasonal norms, blunting demand. The region had experienced roughly two weeks of “sustained below-normal temperatures,” according to the U.S. Energy Information Administration.

California natural gas usage dropped off by 30 MMcf per day on average during the EIA’s Wednesday-to-Wednesday report week, which the agency attributed to less use of gas for power generation as well as reduced residential and commercial sector demand.

California Independent System Operator demand reached 29,062 MW Jan. 3, which should be the week’s high. This is a drop of roughly 1,080 MW compared with Dec. 20, when demand was 30,141 MW.

In the Pacific Northwest, natural gas usage dropped by roughly 130 MMcf week over week.

Western natural gas prices generally fell by between \$1.23 and as much as \$1.72 in Dec. 30 to Jan. 6 trading. SoCal CityGate lost the most, plunging \$1.72 to \$5.68/MMBtu from a Dec. 30 high of \$7.40/MMBtu. Exceptions were Alberta gas, which ticked up 14 cents to \$4.60/MMBtu, and El Paso-Permian Basin gas, which added 66 cents to reach \$3.63/MMBtu.

By the close of trading, three hubs—PG&E CityGate, SoCal Border and SoCal CityGate—traded above the \$5 mark.

Southern California natural gas supplies remain constricted due to an ongoing outage on El Paso Natural Gas’ Line 2000, which typically has a 600-MMcf capacity. It is expected to be off line through at least the end of the month, according to a January maintenance report on Kinder Morgan’s website.

Southern California Gas Co. on its ENVOY website reported that a total of 1,985 MMcf of natural gas was withdrawn from Aliso Canyon on the Dec. 30 and Dec. 31 as well as the Jan. 2 through Jan. 4 gas days. A gas day spans 7 a.m. to 7 a.m. SoCalGas intends to make withdrawals from Aliso Canyon for cleanup flow testing between Jan. 11 and Jan. 12. The withdrawal is an exception to the Aliso Canyon Withdrawal Protocol.

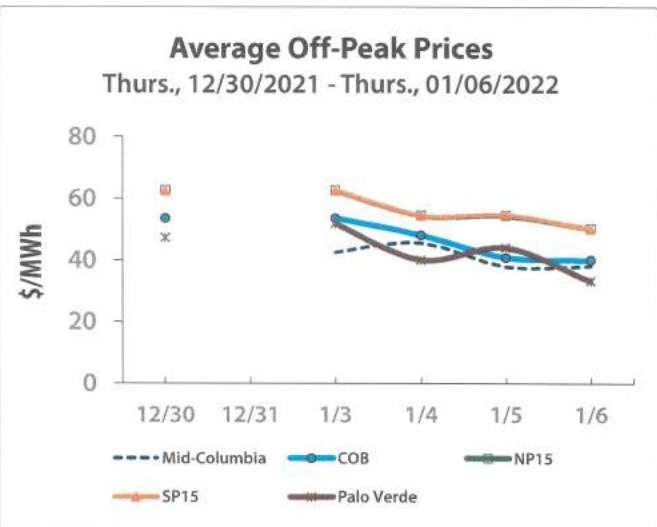
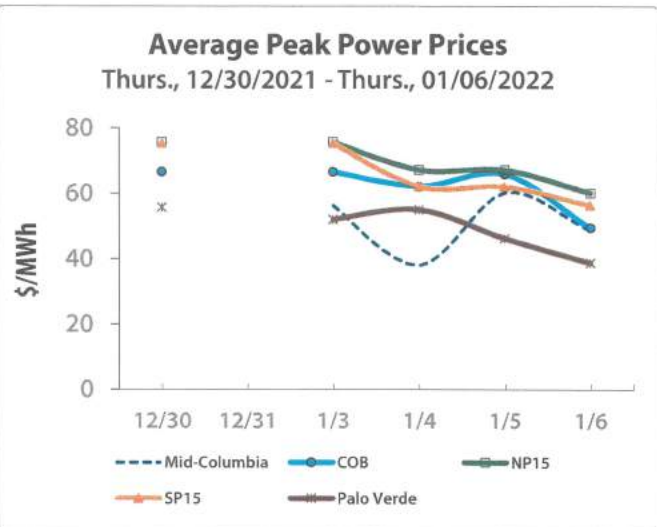
Western peak power prices dropped across the board, led by South of Path 15 daytime power, which fell \$18.95 to \$56.45/MWh in trading. By Jan. 6, peak power prices ranged from \$48.65/MWh at Mid-Columbia to \$60.10/MWh at North of Path 15. Off-peak power values also fell by between roughly \$12.40 and \$14.70 in trading.

Total renewables on the CAISO grid peaked at 14,591 MW Jan. 4. Solar generation reached 9,841 MW Jan. 3, which met roughly 34 percent of demand.

In December, the average high peak price at Henry Hub was \$4.51/MMBtu, \$1.62 more than in 2020 (see “Price Trends,” next page).

Western natural gas hubs gained roughly \$4 year over year, led by Malin natural gas, which added \$4.97 to reach \$8.51/MMBtu.

Average Western peak power prices also rose year over year in December. Mid-C added the most, jumping \$65.82 to \$100.42/MWh. Palo Verde, in contrast, ticked up \$5.75 to \$74/MWh. —**Linda Dailey Paulson**



Average Natural Gas Prices (\$/MMBtu)

	Thurs. 12/30	Tues. 01/04	Thurs. 01/06
Henry Hub	3.40	3.76	3.93
Sumas	6.74	5.35	4.92
Alberta	4.46	4.43	4.60
Malin	6.70	5.14	4.85
Opal/Kern	6.60	5.34	4.87
Stanfield	6.67	5.18	4.81
PG&E CityGate	6.84	5.26	5.16
SoCal Border	6.79	5.58	5.23
SoCal CityGate	7.40	5.99	5.68
EP-Permian	2.97	3.64	3.63
EP-San Juan	5.61	4.58	4.38

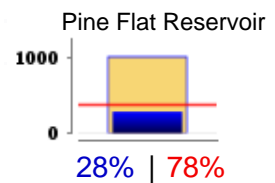
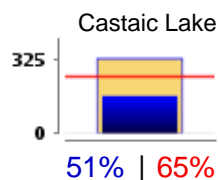
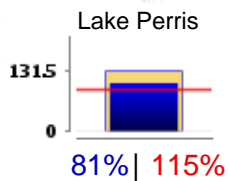
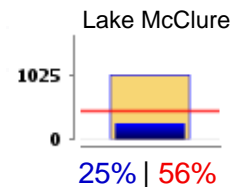
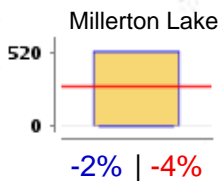
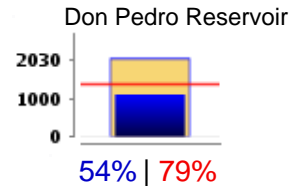
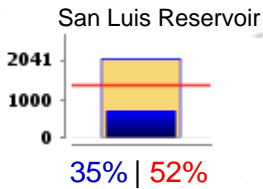
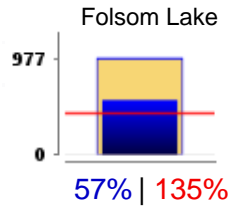
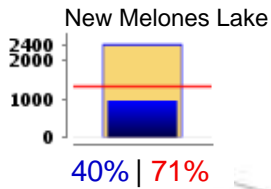
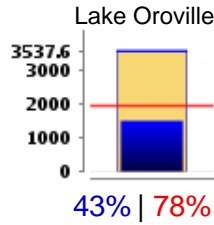
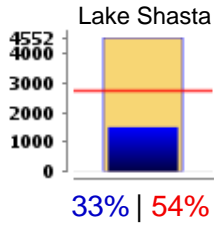
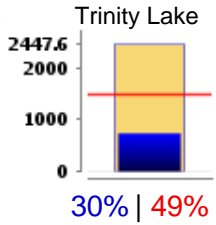
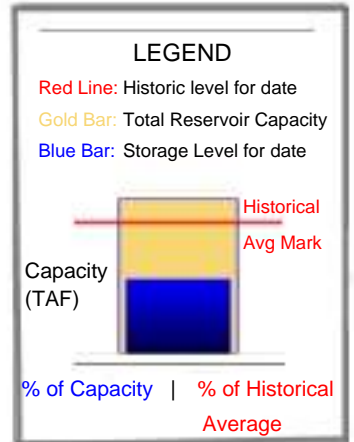
Power/gas prices courtesy Enerfax



CURRENT RESERVOIR CONDITIONS

SELECTED WATER SUPPLY RESERVOIRS

Midnight: January 11, 2022





January 11, 2021

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

Re: December 2021 Invoices

Dear Mr. Zimmerman:

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

Lifecycle monitoring

Lifecycle monitoring activities during December focused on maintaining thermographs and water temperature data. The Oakdale RST will be installed in mid-January and will begin operating prior to field sampling for the predator study.

Non-Native Investigation/ Predator Study and Publications

A conference call was held with the technical team on December 6 to discuss initial comments on the 2019 report and planning for field sampling in 2022. Progress continues on developing the synthesis report which presents results through 2021. We are also preparing gear and supplies for the first field sampling event slated for early February.

Consulting

During December we participated in the Stanislaus River Forum conference call and provided comments on Reclamation's water temperature model development.



Budget Summary

2021	<i>Life-cycle</i>				TOTAL
	<i>Monitoring</i>	<i>Publications</i>	<i>Consulting</i>	<i>Non-natives</i>	
<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
<i>Nov</i>	\$ 1,018.58	\$ 3,842.50	\$ 400.00	\$ 490.00	\$ 5,751.08
<i>Dec</i>	\$ 140.00	\$ -	\$ 300.00	\$ 465.00	\$ 905.00
TOTAL	\$200,023.71	\$ 99,982.50	\$ 24,032.50	\$ 500,928.16	\$ 824,966.87
<i>Estimated 2021</i>	\$200,000.00	\$100,000.00	\$ 25,000.00	\$ 500,000.00	\$ 825,000.00
<i>Remaining</i>	\$ (23.71)	\$ 17.50	\$ 967.50	\$ (928.16)	\$ 33.13

Sincerely,

Andrea Fuller

SJB December 2021 Field Report

Adult Upstream Migration Monitoring

The Stanislaus River weir continued operating through the end of the year, and as of December 31, the season total was 6,018 Chinook (Figure 1). Escapement to the Stanislaus River was over three times greater than the previous year but less than half the total number observed in 2015 and 2016 when 12,622 and 14,369 spawners escaped to the Stanislaus River, respectively.

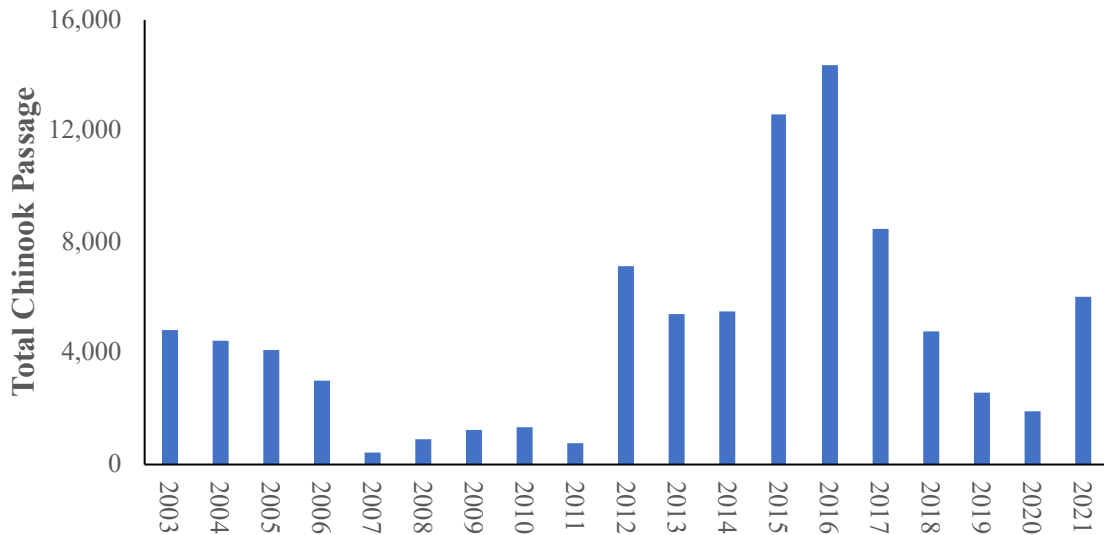


Figure 1. Annual Chinook salmon passage at the Stanislaus River weir, 2003-2021.

Trapping effort at the Stanislaus River weir increased throughout the month of December as the tail end of the Chinook salmon run trickled through. Chinook were the predominant catch throughout the month with a total of 165 individuals captured. The total Chinook captured in the trap through December 31 was 170 individuals. In addition, one largemouth bass, one hardhead and two *O. mykiss* were captured during the month. Measurements of length and depth were obtained from each captured fish. The ratio of these measurements will be applied to the data currently used to estimate total length of individuals passing through the VAKI RiverWatcher.

Two *O. mykiss* were captured in the trap during the month. Both fish were greater than 16 inches classifying them as a steelhead based on California Department of Fish and Wildlife’s guidelines. The first fish (female) was captured on December 13 and was 480 mm TL (~18 ¾ inches) and weighed 2.66 pounds (Figure 2). The second fish (male) was captured on December 20 and was 495 mm TL (~19.5 inches) and weighed 2.5 pounds (Figure 3). Both fish were adipose fin-clipped, indicating hatchery origin. Scale and tissue samples were obtained from both fish for analysis.



Figure 2. Female steelhead (480 mm TL; 2.66 lbs) captured and tagged (PIT tag and green floy tag) on December 13, 2021 at the Stanislaus River weir.



Figure 3. Male steelhead (495 mm TL; 2.5 lbs) captured and tagged (PIT tag and green floy tag) on December 20, 2021 at the Stanislaus River weir.

The Tuolumne River weir continued operating through the end of the year, and as of December 31, the season total stands at 574 Chinook salmon (Figure 4). Tuolumne River escapement in 2021 was almost 50% less compared to the previous year and one-quarter of the number observed in 2019, but similar to the number observed in 2010, 2014 and 2015. Escapement to the Tuolumne River since weir monitoring began in 2009 has ranged from 262 (2009) to 3,658 (2013) with a 13-year average of 1,831 salmon (Figure 4).

Bi-weekly redd surveys were conducted on the Tuolumne and Calaveras rivers during December. Surveys will continue on both rivers through the spring to capture the *O. mykiss* spawning period.

Escapement to the Mokelumne River through December 31 was 4,985 salmon. This was a 30% increase over the previous year but well under the average of about 12,000 annually

over the past decade. Record high escapement of 19,828 was observed in 2017 and record low escapement of 137 was observed in 1961 (Figure 5).

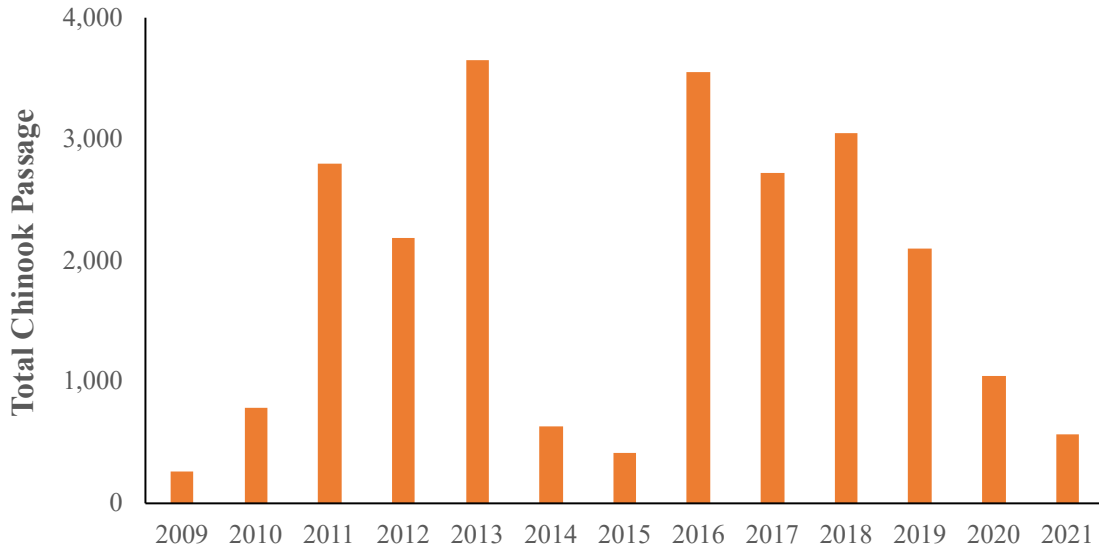


Figure 4. Annual Chinook salmon passage at the Tuolumne River weir, 2009-2021.

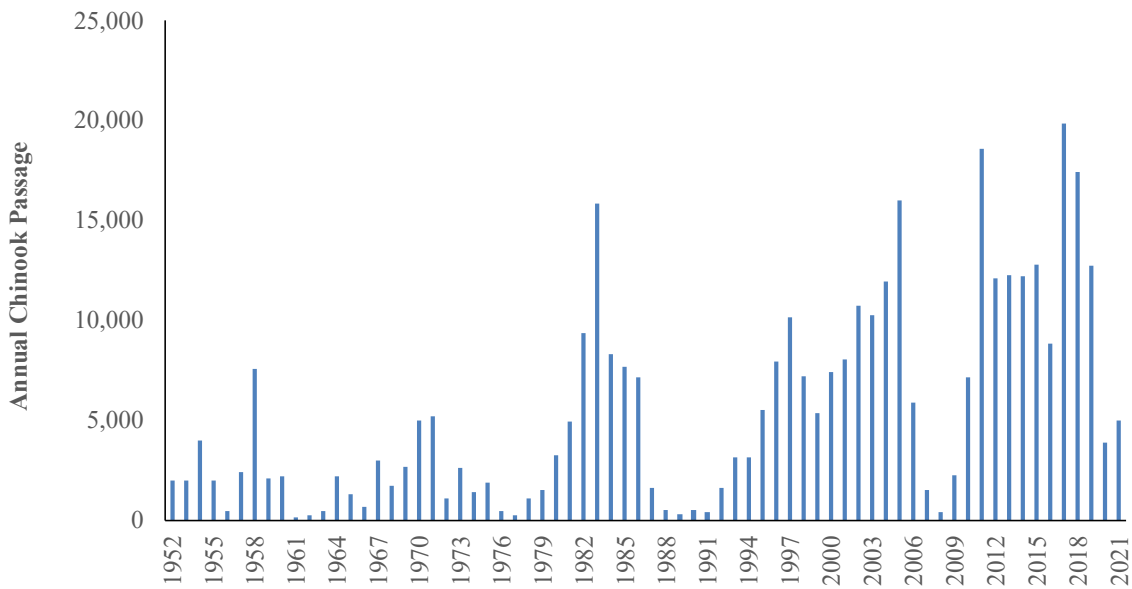


Figure 5. Annual Chinook salmon abundance on the Mokelumne River, 1952-2021.

Juvenile Outmigration Monitoring

The Calaveras River rotary screw trap (RST) operated 14 days during the month of December, and 348 age 1+ (100-299 mm) and two adult (>299 mm) *O. mykiss* were captured, increasing the combined season total to 488 (Figure 6). A total of 381 fish have

been implanted with Passive Integrated Transponder (PIT) tags this season with 27 of them being recaptured in the RST. Zero juvenile Chinook salmon were captured so far this season; however, a couple of adult salmon were observed during redd surveys this season.

The Stanislaus River rotary screw trap (RST) at Oakdale (RM 40) will begin sampling on January 24 or possibly sooner if there is a significant flow event prior to the anticipated start date. The RST at Caswell was installed and began sampling on January 6.

The Tuolumne River RST near Waterford (RM 30) began sampling January 4. The RST near Grayson (RM 5) will be installed mid- to late-January. Bi-weekly seine surveys will begin the week of January 24 and will continue through early June to document juvenile Chinook movement through the lower Tuolumne River.

EBMUD initiated sampling of the RSTs at Vino Farms (RM 54) on December 6 and at Golf (RM 38) on December 21. No salmon were captured at either trap in December.

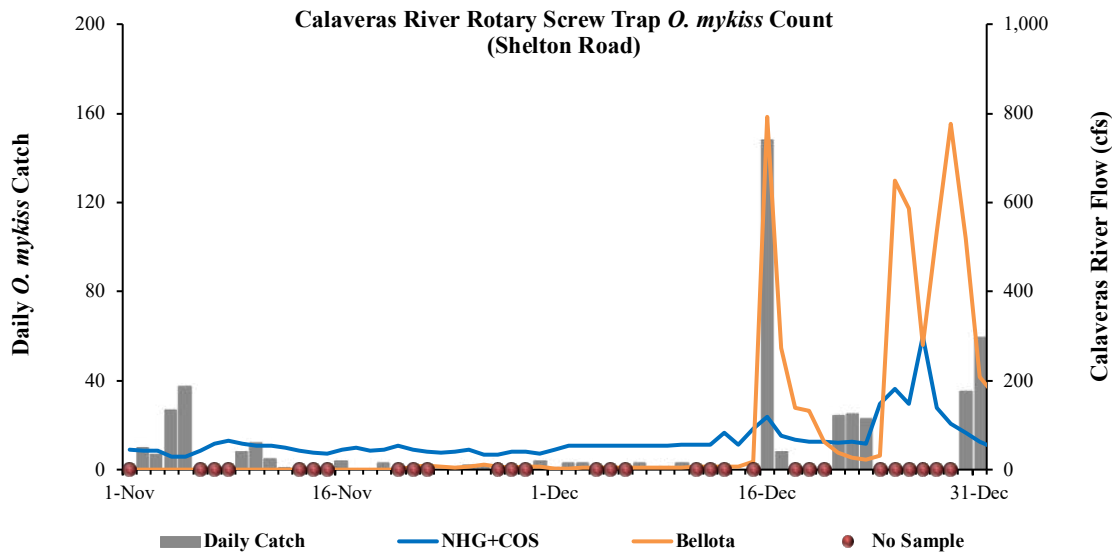


Figure 6. Daily *O. mykiss* catch at the Calaveras River rotary screw trap at Shelton Road and Calaveras River flow at New Hogan Dam (NHG) + Cosgrove (COS) and Bellota (MRS).

Native Fish Plan

The first electrofishing survey is scheduled for early February in the Stanislaus River. Surveys will be conducted once per month through May, as river conditions allow.

San Joaquin River Predator Study

Fyke trapping is tentatively scheduled to begin February 1 and will continue through June, as river conditions allow. E-fishing is scheduled to start January 17 in the south Delta. Surveys will be conducted once per month as temperatures allow.

TRI-DAM

POWER

AUTHORITY

**REGULAR BOARD MEETING
AGENDA
TRI-DAM POWER AUTHORITY
of THE OAKDALE IRRIGATION DISTRICT and
THE SOUTH SAN JOAQUIN IRRIGATION DISTRICT
JANUARY 20, 2022**

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

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

*** 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, JANUARY 17, 2022 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 and the Oakdale Irrigation Office located 1205 East F Street, Oakdale. These sites will be utilized as call-in centers only for some or all Directors who will be communicating via teleconference. 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) 900-9128, then entering Meeting ID: 439-287-1020. 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 nfiez@oakdaleirrigation.com by 4:30 p.m., Wednesday, January 19, 2022.

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 December 16, 2021.

ACTION CALENDAR

ITEMS 3 - 6

2. Discuss and consider adoption of Resolution TDPA 2022-01 to implement teleconferencing requirements during a proclaimed state of emergency.
3. Discussion and possible action to approve 4th quarter 2021 financial statements and December 2021 statement of obligations.
4. Discussion and possible action to approve 2022 Investment Policy.
5. Review and consider approval Resolution TDPA 2022-02 Distribution of Funds.

ADJOURNMENT

ITEMS 7 - 8

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

BOARD AGENDA REPORT

Date: 1/20/2022
Staff: Brian Jaruszewski

SUBJECT: Tri-Dam Power Authority December 2021 Minutes

RECOMMENDED ACTION: Recommend Approval of December 16, 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

December 16, 2021
Manteca, 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 9:50 a.m.

COMMISSIONERS PRESENT:

OID COMMISSIONERS

ED TOBIAS
BRAD DeBOER
TOM ORVIS
HERMAN DOORNENBAL

SSJID COMMISSIONERS

BOB HOLMES
GLENN SPYKSMA
DAVE KAMPER
MIKE WESTSTEYN

COMMISSIONERS ABSENT:
LINDA SANTOS, JOHN HOLBROOK

ALSO PRESENT:

Jarom Zimmerman, General Manager, Tri-Dam Project; Brian Jaruszewski, Admin. & Finance Manager, Tri-Dam Project; Genna Modrell, Admin. & Finance Asst., Tri-Dam Project; Susan Larson, Compliance Coordinator, Tri-Dam Project; Peter Rietkerk, General Manager, SSJID; Bere Lindley, Asst. General Manager, SSJID; Mia Brown, General Counsel, SSJID; Tim Wasiewski, Counsel, Tim O'Laughlin, Counsel

PUBLIC COMMENT

None

CONSENT CALENDAR

ITEM #1 Approve the regular board meeting minutes of November 18, 2021.

ITEM #2 Approve the November financial statements and statement of obligations.

Commissioner Tobias moved to approve the consent calendar. Commissioner Spyksma seconded the motion.

The motion passed by the following roll call vote:

AYES: DeBoer, Doornenbal, Orvis, Tobias, Holmes, Kamper, Spyksma, Weststeyn

NOES: None

ABSTAINING: None

ABSENT: Holbrook, Santos

ACTION CALENDAR

ITEM #3 Discuss and consider adoption of Resolution TDPA 2021-04 to implement teleconferencing requirements during a proclaimed state of emergency.

Commissioner DeBoer moved to approve Resolution TDPA 2021-04 as presented. Commissioner Holmes seconded the motion.

The motion passed by the following roll call vote:

AYES: DeBoer, Doornenbal, Orvis, Tobias, Holmes, Weststeyn

NOES: Spyksma

ABSTAINING: None

ABSENT: Holbrook, Santos

ITEM #5 Review and consider approval Resolution TDPA 2021-06 Electing New Officers.

Commissioner Kamper nominated Commissioner Doornenbal as President and Commissioner Spyksma as Vice President. Commissioner DeBoer seconded the nomination.

The motion passed by the following roll call vote:

AYES: DeBoer, Doornenbal, Orvis, Tobias, Holmes, Kamper, Weststeyn

NOES: None

ABSTAINING: Spyksma

ABSENT: Holbrook, Santos

ITEM #6 Review and consider approval of power pole replacement along Sandbar 115kV line.

Jarom Zimmerman advised that staff obtained two quotes, and one was marked confidential. For this reason it was not considered. Jarom recommended awarding the contract to B&B High Voltage as presented to replace the poles, which have already been ordered.

Commissioner Spyksma moved to approve as presented. Commissioner Kamper seconded the motion.

The motion passed by the following roll call vote:

AYES: DeBoer, Doornenbal, Orvis, Tobias, Holmes, Kamper, Spyksma, Weststeyn

NOES: None

ABSTAINING: None

ABSENT: Holbrook, Santos

ITEM #7 Commissioners Comments

None.

President Weststeyn recessed to the Tri-Dam Project Board of Directors meeting at 10:08 a.m.

President Weststeyn reopened the meeting of the Tri-Dam Power Authority at 11:36 a.m. to undertake item 4.

ITEM #4 Review and consider approval Resolution TDPA 2021-05 Distribution of Funds.

Commissioner Orvis moved to table Resolution 2021-05, authorizing the distribution of funds, to the January 2022 meeting, consistent with past practice. Commissioner Holmes seconded the motion.

The motion passed by the following roll call vote:

AYES: DeBoer, Doornenbal, Orvis, Tobias, Holmes, Kamper, Spyksma, Weststeyn

NOES: None

ABSTAINING: None

ABSENT: Holbrook, Santos

ADJOURNMENT

President Weststeyn adjourned the meeting at 11:38 a.m.

The next Board of Commissioners meeting will be January 20, 2022 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

BOARD AGENDA REPORT

Date: 1/20/2022
Staff: Mia Brown

SUBJECT: Resolution TDPA 2022-01 to Implement Teleconferencing Requirements during a Proclaimed State of Emergency

RECOMMENDED ACTION: Approve Resolution TDPA 2022-01 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 2022-01

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 2022-01
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 20th day of January, 2022, by the following vote:

OAKDALE IRRIGATION DISTRICT

AYES:
NOES:
ABSENT:

SOUTH SAN JOAQUIN IRRIGATION DISTRICT

AYES:
NOES:
ABSENT:

TRI-DAM POWER AUTHORITY

Herman Doornenbal, President

Jarom Zimmerman, Secretary

BOARD AGENDA REPORT

Date: 1/20/2022
Staff: Brian Jaruszewski

SUBJECT: Tri-Dam Power Authority 4th Quarter 2021 Financial Statements

RECOMMENDED ACTION: Recommend Approval of 4th Quarter 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)

	December 31, 2021	November 30, 2021	December 31, 2020
1 Assets			
2 Cash	\$ 1,703,671	\$ 955,194	\$ 3,647,814
3 Short-Term Investments	1,089,154	1,089,154	1,085,138
4 Accounts Receivable	893,736	750,542	566,824
5 Prepaid Expenses	77,563	93,076	69,175
6 Capital Assets	45,381,032	45,381,032	45,367,535
7 Accumulated Depreciation	(22,576,787)	(22,535,975)	(22,087,039)
8 Intangible Assets	-	-	-
9 Other Assets	1,716	1,716	11
10 Total Assets	26,570,084	25,734,738	28,649,458
11			
12			
13 Liabilities			
14 Accounts Payable	93,164	54,623	883,147
15 Other Current Liabilities	-	-	5,700
16 Long-Term Liabilities	-	-	20,833
17 Total Liabilities	93,164	54,623	909,679
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)	(6,439,000)
23 YTD Net Revenues	1,338,931	542,125	1,914,285
24 Total Net Position	26,476,920	25,680,114	27,739,779
25			
26			
27 Total Liabilities and Net Position	\$ 26,570,084	\$ 25,734,738	\$ 28,649,458



Tri-Dam Power Authority
Statement of Revenues and Expenses
 Period Ending December 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	\$ 6,048,956	\$ 2,594,996	\$ (3,453,960)	\$ 3,339,208	\$ (744,212)	\$ 6,048,956	57%
3 Other Operating Revenue	-	6,625	6,625	-		-	NA
4 Total Operating Revenues	6,048,956	2,601,621	(3,447,335)	3,339,208	(737,587)	6,048,956	57%
5							
6 Operating Expenses							
7 Salaries and Wages	330,759	335,329	4,570	379,760	(44,431)	330,759	-1%
8 Benefits and Overhead	226,604	141,402	(85,202)	156,565	(15,163)	226,604	38%
9 Operations	22,830	5,756	(17,074)	26,166	(20,409)	22,830	75%
10 Maintenance	163,500	26,992	(136,508)	153,851	(126,859)	163,500	83%
11 General & Administrative	271,682	268,868	(2,815)	237,420	31,447	271,682	1%
12 Depreciation & Amortization	500,000	489,748	(10,252)	492,223	(2,475)	500,000	2%
13 Total Operating Expenses	1,515,375	1,268,095	(247,280)	1,445,985	(177,890)	1,515,375	16%
14							
15 Net Income From Operations	4,533,581	1,333,526	(3,200,055)	1,893,223	(559,697)	4,533,581	71%
16							
17 Nonoperating Revenues (Expenses)							
18 Investment Earnings	20,000	5,405	(14,595)	21,062	(15,657)	20,000	73%
19 Interest Expense	-	-	-	-	-	-	NA
22 Total Nonoperating Revenues (Expenses)	20,000	5,405	(14,595)	21,062	(15,657)	20,000	73%
23							
24 Net Revenues	\$ 4,553,581	\$ 1,338,931	\$ (3,214,650)	\$ 1,914,285	\$ (575,354)	\$ 4,553,581	71%
25							
26							
27 Memo:							
28 Capital Expenditures	\$ 156,000	\$ 6,014	\$ (149,986)	\$ 44,892		\$ 156,000	96%



Tri-Dam Power Authority
Statement of Revenues and Expenses
 Period Ending December 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	\$ 893,736	\$ 389,656	\$ 566,824	\$ 326,911	\$ 6,048,956	-77%
3 Other Operating Revenue	-	-	-	-		-	NA
4 Total Operating Revenues	504,080	893,736	389,656	566,824	326,911	6,048,956	-77%
5							
6 Operating Expenses							
7 Salaries and Wages	27,563	28,858	1,295	21,796	7,062	330,759	-5%
8 Benefits and Overhead	18,884	9,276	(9,608)	7,303	1,973	226,604	51%
9 Operations	1,903	148	(1,755)	9,397	(9,249)	22,830	92%
10 Maintenance	13,625	2,180	(11,445)	2,018	162	163,500	84%
11 General & Administrative	22,640	15,663	(6,978)	14,669	994	271,682	31%
12 Depreciation & Amortization	41,667	40,811	(855)	41,021	(210)	500,000	2%
13 Total Operating Expenses	126,281	96,935	(29,346)	96,204	731	1,515,375	23%
14							
15 Net Income From Operations	377,798	796,800	419,002	470,620	326,180	4,533,581	-111%
16							
17 Nonoperating Revenues (Expenses)							
18 Investment Earnings	1,667	6	(1,661)	1,194	(1,189)	20,000	100%
19 Interest Expense	-	-	-	-	-	-	NA
22 Total Nonoperating Revenues (Expenses)	1,667	6	(1,661)	1,194	(1,189)	20,000	100%
23							
24 Net Revenues	\$ 379,465	\$ 796,806	\$ 417,341	\$ 471,815	\$ 324,991	\$ 4,553,581	-110%
25							
26							
27 Memo:							
28 Capital Expenditures	\$ 13,000	\$ -	\$ (13,000)			\$ 156,000	100%



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

	QTD Budget	QTD Actual	QTD Budget Variance	Prior Year QTD Actual	Prior Year QTD Var	2021 Budget	Percent of 2021 Budget Remaining
1 Operating Revenues							
2 Power Sales	\$ 1,512,239	\$ 1,702,520	\$ 190,281	\$ 806,798	\$ 895,721	\$ 6,048,956	-13%
3 Other Operating Revenue	-	6,625	6,625	-	6,625	-	NA
4 Total Operating Revenues	1,512,239	1,709,145	196,906	806,798	902,346	6,048,956	-13%
5							
6 Operating Expenses							
7 Salaries and Wages	82,690	82,163	(526)	132,038	(49,875)	330,759	1%
8 Benefits and Overhead	56,651	30,380	(26,271)	43,337	(12,957)	226,604	46%
9 Operations	5,708	1,598	(4,109)	10,235	(8,637)	22,830	72%
10 Maintenance	40,875	6,331	(34,544)	97,364	(91,033)	163,500	85%
11 General & Administrative	67,921	52,198	(15,723)	42,739	9,459	271,682	23%
12 Depreciation & Amortization	125,000	122,436	(2,564)	123,063	(627)	500,000	2%
13 Total Operating Expenses	378,844	295,106	(83,738)	448,776	(153,670)	1,515,375	22%
14							
15 Net Income From Operations	1,133,395	1,414,038	280,643	358,022	1,056,016	4,533,581	-25%
16							
17 Nonoperating Revenues (Expenses)							
18 Investment Earnings	5,000	676	(4,324)	5,814	(5,137)	20,000	86%
19 Interest Expense	-	-	-	-	-	-	NA
22 Total Nonoperating Revenues (Expenses)	5,000	676	(4,324)	5,814	(5,137)	20,000	86%
23							
24 Net Revenues	\$ 1,138,395	\$ 1,414,715	\$ 276,320	\$ 363,836	\$ 1,050,879	\$ 4,553,581	-24%
25							
26							
27 Memo:							
28 Capital Expenditures	\$ 39,000	\$ 6,014	\$ (32,986)			\$ 156,000	85%

**General Ledger
Expense vs Budget with
Encumbrances by Fund**



User: HJanuszewski
Printed: 1/12/2022 10:15:56 AM
Period 01 - 12
Fiscal Year 2021

Fund	Description	Budget	Period Amt	End Bal	Variance	Encumbered	Available	% Available
2	Operations							
2	Electric Expense Labor	105,648.00	140,802.03	140,802.03	-35,154.03	0.00	-35,154.03	-33.27
2	Electric Expense OH	70,874.00	54,875.35	54,875.35	15,998.65	0.00	15,998.65	22.57
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	-1,026.10	-1,026.10	16,026.10	0.00	16,026.10	106.84
2	Streamgaging	6,330.00	6,330.00	6,330.00	0.00	0.00	0.00	0.00
2	Depreciation	500,000.00	448,936.52	448,936.52	51,063.48	0.00	51,063.48	10.21
2	Operations	699,352.00	650,370.17	650,370.17	48,981.83	0.00	48,981.83	7.00
2	Maintenance							
2	Comms & Security Labor	147,297.00	114,893.61	114,893.61	32,403.39	0.00	32,403.39	22.00
2	Comms & Security OH	98,214.00	56,694.28	56,694.28	41,519.72	0.00	41,519.72	42.27
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	9,112.26	9,112.26	20,887.74	0.00	20,887.74	69.63
2	Maint & Repairs to Plant	70,000.00	12,865.20	12,865.20	57,134.80	0.00	57,134.80	81.62
2	Electronic Expense	5,000.00	2,649.40	2,649.40	2,350.60	0.00	2,350.60	47.01
2	Site Improvement	0.00	493.44	493.44	-493.44	0.00	-493.44	0.00
2	Misc Hydro Expense	500.00	958.65	958.65	-458.65	0.00	-458.65	-91.73
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 & Maintena	500.00	700.00	700.00	-200.00	0.00	-200.00	-40.00
2	Maintenance	409,811.00	198,579.90	198,579.90	210,431.10	13,553.20	196,877.90	48.14
2	Administrative							
2	Administrative Labor	77,815.00	76,104.75	76,104.75	1,710.25	0.00	1,710.25	2.20
2	Administrative OH	57,516.00	27,347.71	27,347.71	30,168.29	0.00	30,168.29	52.45
2	Office Expense	500.00	0.00	0.00	500.00	0.00	500.00	100.00
2	APPA & NEHA 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	13,160.00	13,160.00	6,840.00	0.00	6,840.00	34.20
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	181,323.99	181,323.99	-15,303.99	0.00	-15,303.99	-9.22

Fund	Description	Budget	Period Amt	End Bal	Variance	Encumbered	Available	% Available
2	Property and Use Taxes	1,000.00	334.00	334.00	666.00	0.00	666.00	66.60
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	356,807.37	356,807.37	50,205.63	0.00	50,205.63	12.34
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	13,479.71	86,520.29	86.52
2	Capital Exp Fixed Asset	156,000.00	6,013.73	6,013.73	149,986.27	13,479.71	136,506.56	87.50
Expense		1,671,376.00	1,211,771.17	1,211,771.17	459,604.83	27,032.91	432,571.92	0.2588
Total								
2	Tri Dam Power Authority	1,671,376.00	1,211,771.17	1,211,771.17	459,604.83	27,032.91	432,571.92	25.88
Expense		1,671,376.00	1,211,771.17	1,211,771.17	459,604.83	27,032.91	432,571.92	0.2588
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	58,242	8	4,928	-	53,322	(2,687,661)
Dec	750,542	6	2,071	-	748,476	(1,939,185)
Total	\$ 2,268,085	\$ 10,478	\$ 1,713,747	\$ 2,504,000	\$ (1,939,185)	

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	

California State Treasurer *Fiona Ma, CPA*



Local Agency Investment Fund
P.O. Box 942809
Sacramento, CA 94209-0001
(916) 653-3001

January 12, 2022

[LAIF Home](#)
[PMIA Average Monthly Yields](#)

TRI-DAM POWER AUTHORITY

CHIEF FINANCIAL OFFICER
P.O. BOX 1158
PINECREST, CA 95364-0158

[Tran Type Definitions](#)

//

December 2021 Statement

Account Summary

Total Deposit:	0.00	Beginning Balance:	1,089,592.88
Total Withdrawal:	0.00	Ending Balance:	1,089,592.88

Tri-Dam Power Authority

Statement of Obligations

December 1, 2021 to December 31, 2021

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

**Period Covered
December 1, 2021 to December 31, 2021**

Total Obligations: **9** **checks in the amount of** **\$2,071.20**
(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,

Herman Doornenbal, President Date

Jarom Zimmerman, General Manager Date
Secretary

Authority

Dec. Checks by Amount



Check	Vendor No	Vendor	Date	Description	Amount
208237	10454	Modesto Steel Co.	12/03/2021		891.55
208234	10358	HILTI Inc.	12/03/2021		313.90
208238	10641	Sonora Airco Gas & Gear	12/03/2021		290.57
208242	10333	Grainger Inc. W. W.	12/17/2021		200.64
208241	11389	Paris Kincaid Wasiewski	12/16/2021		150.00
208236	10439	McMaster-Carr Supply Co.	12/03/2021		101.64
208235	10872	Kelly-Moore Paint Company, Inc.	12/03/2021		87.20
208240	10749	UPS	12/03/2021		23.46
208233	10900	Chase Cardmember Service	12/03/2021		12.24

Report Total: \$ 2,071.20

BOARD AGENDA REPORT

Date: 1/20/2022
Staff: Brian Jaruszewski

SUBJECT: Tri-Dam Power Authority 2022 Investment Policy

RECOMMENDED ACTION: Recommend approval of Tri-Dam Power Authority 2022 Investment Policy

BACKGROUND AND/OR HISTORY:

Annually, the Investment Policy for Tri-Dam Power Authority is reviewed and updated as appropriate, and presented to the Board for approval. The Investment Policy details the underlying investment principles (Safety of Principal, Liquidity, and Yield), and is adopted in accordance with California Government Code §53607. This includes the delegation of authority to invest surplus funds to the Finance and Administrative Manager (“Treasurer”) for a one-year period.

The Investment Policy identifies the authorized Institutions to act as custodian of funds and securities for Tri-Dam.

Additionally, the Policy enumerates the types of investments that are authorized, in alignment with California Government Code §53601.

FISCAL IMPACT: N/A

ATTACHMENTS: Draft Tri-Dam Power Authority 2022 Investment Policy

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

Policy Manual

POLICY TITLE: INVESTMENT POLICY
POLICY NUMBER: 2-2022-01

For the Year Ending December 31, 2022

1. **PURPOSE:** This policy sets forth Tri-Dam Power Authority's ("Tri-Dam" or "Authority") objectives, risk preferences, authorized instruments, and other requirements and interests for investing its funds. This investment policy is intended to promote a disciplined approach to investing, to provide accountability for Authority management, and to promote public trust in the Authority's investing practices.
2. **SCOPE:** This policy applies to the investment of all funds of the Authority, including operating and capital improvement funds and reserves. There are exceptions to some provisions of the policy for certain proceeds of bond funds because the provisions in a bond indenture dealing with investment of certain proceeds, such as a debt service reserve, are typically more restrictive than this policy. For example, the indenture may specify the trustee of invested proceeds, or may specify the eligible securities. Accordingly, proceeds of Authority debt are to be invested in accordance with the controlling resolution, indenture, or agreement.

The Authority does not invest the funds of other districts or public agencies.

3. **DELEGATION:** In accordance with California Government Code §53607, the Board of Commissioners, which is the legislative body of the Authority, delegates to the Finance and Administrative Manager ("Treasurer") full authority to invest and reinvest the money of the Authority, and to sell or exchange securities, for the year ending December 31, 2022. The full text of §53607 is quoted below:

"The authority of the legislative body to invest or to reinvest funds of a local agency, or to sell or exchange securities so purchased, may be delegated for a one-year period by the legislative body to the treasurer of the local agency, who shall thereafter assume full responsibility for those transactions until the delegation of authority is revoked or expires, and shall make a monthly report of those transactions to the legislative body. Subject to review, the legislative body may renew the delegation of authority pursuant to this section each year."

4. **ADOPTION AND DURATION:** This policy is valid for one year and must be reviewed and approved by the Board of Directors annually in a public meeting. The term of this policy is the year ending December 31, 2022.

Amendments to this policy must follow the same process as adoption of this policy.

5. **OBJECTIVES:** The primary objectives are, in order of priority: safety of principal, liquidity, and yield. It is not possible to simultaneously maximize safety, liquidity, and yield; nor is it possible to maximize any one of these three objectives without disregarding one or both of the other two. Therefore, this policy seeks an appropriate balance of these three objectives by prioritizing them. A secondary objective may be local benefit, when such opportunity arises.

Safety of Principal

Safety of principal is the foremost objective. Investing shall be undertaken in a manner that seeks to avoid loss of principal on the portfolio as a whole. This shall be accomplished by controlling exposure to credit and interest rate risks.

Credit risk is the risk of loss due to the failure of the security issuer or guarantor. Credit risk will be mitigated by:

- a) Limiting investments to the types of instruments listed in Section 11 of this policy,
- b) Prequalifying the financial institutions, brokers, dealers, intermediaries, and advisors who will participate in the Authority's investing, and
- c) Diversifying the investment portfolio so the impact of losses from any single type of security or any one issuer is minimized.

Interest rate risk is the risk that the market value of securities will fall due to changes in market rates of interest. Interest rate risk will be mitigated by:

- d) Planning to hold securities to maturity by purchasing securities with maturity dates that do not exceed expected future cash requirements,
- e) Investing operating funds in short term securities, money market funds, the Local Agency Investment Fund, and other investment funds and pools with similar liquidity, and
- f) Limiting the average maturity of the portfolio in accordance with Section 10 of this policy.

Liquidity

The investment portfolio shall remain sufficiently liquid to meet all cash requirements of Tri-Dam that may be reasonably anticipated. This is accomplished by planning the maturities of investments to match expected dates of future occasions when it will be necessary to supplement the Authority's cash balances and/or distribute funds to the Districts. Furthermore, since it is not feasible to anticipate all possible future cash needs, the portfolio shall consist largely of securities with active secondary markets, and deposits with money market funds, or the Local Agency Investment Fund, and other investment funds and pools with similar liquidity.

Yield

Because pursuit of yield is subordinate to safety of principal, and to liquidity, and because yield is always a function of the degrees of risk and liquidity assumed, the Authority's

objective is to attain a rate of return which approximates the prevailing market yield for the types of investments in the portfolio. The Authority seeks a market yield commensurate with the fact that the preponderance of the portfolio is in low risk, liquid investments. Predictability of yield will be enhanced by purchasing securities with the intent of holding them to maturity. Securities may be sold before their maturity in the following circumstances:

- g) An investment with an increasing credit risk may be sold early to reduce possible loss of principal,
- h) If a security swap would improve the quality, yield, or target duration of the portfolio, or
- i) Liquidity needs of the portfolio require the security to be sold.

6. **AUTHORIZED INSTITUTIONS:** Oak Valley Community Bank, and the State of California Local Agency Investment Fund are currently authorized depositories and custodians.

7. **ETHICAL STANDARDS:** The “prudent person” standard is the standard of care to be used in managing the overall portfolio. According to the Government Finance Officers Association, the prudent person standard states that, “Investments shall be made with judgment and care, under circumstances then prevailing, which persons of prudence, discretion, and intelligence exercise in the management of their own affairs, not for speculation, but for investment, considering the probable safety of their capital as well as the probable income to be derived.”

Officers and employees involved in the investment process shall refrain from personal business activity that could conflict with the proper execution and management of the investment program, or that could impair their ability to make impartial decisions. Employees and investment officials shall disclose any material interests in financial institutions with which they conduct business. They shall further disclose any personal financial/investment positions that could be related to the performance of the investment portfolio. Employees and officers shall refrain from undertaking personal investment transactions with the same individuals with whom business is conducted on behalf of the District.

8. **INTERNAL CONTROLS:** The Treasurer is responsible for establishing and maintaining a system of internal control over investment activities. The generally accepted definition of internal control is provided by COSO (The Committee of Sponsoring Organizations of the Treadway Commission):

Internal control is a process, effected by an entity's board of directors, management and other personnel, designed to provide reasonable assurance regarding the achievement of objectives in the following categories:

- a) *Effectiveness and efficiency of operations*
- b) *Reliability of financial reporting*
- c) *Compliance with applicable laws and regulations*

The primary internal control measure over investing is this policy. The first objective in the

definition (effectiveness and efficiency of operations) includes safeguarding of assets, which addresses one of the most important risks in investing: loss through theft, fraud, or undue investment risks. Although a perfect system of internal control is not possible because of limited personnel and other resources, the Treasurer will establish internal control measures to the extent practicable. Those measures will be designed to address:

- d) Risk of collusion
- e) Potential conflict between transaction authority versus accounting and reporting responsibilities
- f) Custodial safekeeping
- g) Avoidance of physical delivery of securities
- h) Clear delegation of authority to subordinate staff members
- i) Written confirmations for transactions
- j) Dual authorizations of wire transfers
- k) Reporting of investing results
- l) Limitations on permissible investments
- m) Ethical standards
- n) Mitigation of investment risks

The annual audit will include a report on internal controls.

- 9. REPORTING:** For any funds not on deposit with Oak Valley Community Bank or invested with State of California Local Agency Investment Fund, the Treasurer will make a monthly report to the General Manager and the Board of Directors describing all investing transactions for the one-month period as required by California Government Code §53607. The Treasurer will also make a quarterly report to the General Manager and the Directors. The minimum content required of the quarterly report is established by California Government Code §53646(b). Accordingly, the quarterly report shall include for each investment:

- a) Type of instrument
- b) Issuer
- c) Maturity date
- d) Par value
- e) Cost
- f) Credit rating at the time of the report
- g) Market value (except investments in LAIF)
- h) Source of the market valuation
- i) Description of any funds or investments under the management of outside parties such as LAIF

In addition to the minimum required content, the quarterly report will also include a statement of compliance of the portfolio to this investment policy, any deviations from full compliance, and a statement of the Authority's ability to fund expenditures for the next six months. If the Authority is unable to fund expenditures for the next six months, an explanation of why funds will or may be insufficient must also be included.

- 10. RISK MITIGATION:** The overall investment portfolio will be managed to mitigate credit risk, market risk, and liquidity risk. To better manage liquidity, the overall portfolio is divided into two segments:

- a) Cashflow Supplement: An ongoing source of ready liquidity to supply cashflow for operations and capital expenditures.
- b) Reserves: Funds not needed for current cashflow.

The allocation of the portfolio between these two segments will be reconsidered quarterly in view of anticipated cash flow requirements. Resulting adjustments to the liquidity of the portfolio will be made as soon as practicable with due consideration to the other primary objectives of safety of principal and yield.

The cashflow supplement segment shall be invested in LAIF, U. S. Treasury bills, federal agency discount notes, or other instruments, which are cash and cash equivalent investments allowed by Section 11 of this policy. Cash and cash equivalents are generally certain investments with a maturity of less than three months including bank deposits, money market funds, LAIF, U.S. Treasury bills, Federal Agency discount notes, and other highly liquid, short-duration products. Any amount of the supplement segment of the portfolio may be invested in LAIF.

To the extent that the portfolio is not invested in LAIF, the portfolio will comply with the following risk mitigation measures:

- c) The Authority follows a passive investment strategy, which means Authority personnel are not required to make an active effort to analyze and predict the future with respect to interest rates, market perceptions, or changes in the yield curve. While this can result in lower yields, it provides some protection against losses due to market timing errors that can result from active management.
- d) The Authority follows a buy and hold strategy where securities are purchased with the intent to hold them to maturity. This provides protection against interest rate risk.
- e) The Authority may diversify maturities by following a laddering strategy where roughly equal portions of the reserve segment are allotted to each of several maturities subject to the maturity restrictions in items g) and h) below in this enumerated list. A laddered portfolio provides a regular source of liquidity through its schedule of maturities, averages the effects of changing interest rates, and provides some protection from reinvestment risk. The schedule of maturities should be modified as necessary to meet anticipated future cash needs. The laddering strategy may be adjusted based upon to anticipated cash flow requirements or yield curve trends.
- f) As required by state law, deposits in banks, thrift institutions, and credit unions will be collateralized for the portion of the balance that exceeds federal deposit insurance.
- g) The maturity of any single security will not exceed 5 years at the time of investment.
- h) The dollar weighted average maturity of the entire portfolio will not exceed 3 years.
- i) The Authority diversifies the types of investments by not exceeding the maximum percentage of the entire portfolio allowed by California Government Code §53601 for each investment type as enumerated in Section 11 of this policy.

- j) The Authority mitigates credit risk by not exceeding the maximum percentage of a creditor's total issuance allowed by California Government Code §53601 and detailed in Section 11 of this policy.

11. AUTHORIZED INVESTMENTS: The following partially edited excerpt from the California Government Code §53601 enumerates the investments authorized for the Authority.

Begin Excerpt.

- (a) Bonds issued by the local agency, including bonds payable solely out of the revenues from a revenue-producing property owned, controlled, or operated by the local agency or by a department, board, agency, or authority of the local agency.
 - (b) United States Treasury notes, bonds, bills, or certificates of indebtedness, or those for which the faith and credit of the United States are pledged for the payment of principal and interest.
 - (c) Registered state warrants or treasury notes or bonds of this state, including bonds payable solely out of the revenues from a revenue-producing property owned, controlled, or operated by the state or by a department, board, agency, or authority of the state.
 - (d) Registered treasury notes or bonds of any of the other 49 states in addition to California, including bonds payable solely out of the revenues from a revenue-producing property owned, controlled, or operated by a state or by a department, board, agency, or authority of any of the other 49 states, in addition to California.
 - (e) Bonds, notes, warrants, or other evidences of indebtedness of a local agency within this state, including bonds payable solely out of the revenues from a revenue-producing property owned, controlled, or operated by the local agency, or by a department, board, agency, or authority of the local agency.
 - (f) Federal agency or United States government-sponsored enterprise obligations, participations, or other instruments, including those issued by or fully guaranteed as to principal and interest by federal agencies or United States government-sponsored enterprises.
 - (h) Commercial paper of "prime" quality of the highest ranking or of the highest letter and number rating as provided for by a nationally recognized statistical rating organization (NRSRO). The entity that issues the commercial paper shall meet all of the following conditions in either paragraph (1) or (2):
 - (1) The entity meets the following criteria:
 - (A) Is organized and operating in the United States as a general corporation.
 - (B) Has total assets in excess of five hundred million dollars (\$500,000,000).
 - (C) Has debt other than commercial paper, if any, that is rated in a rating category of "A" or its equivalent or higher by an NRSRO.
 - (2) The entity meets the following criteria:
 - (A) Is organized within the United States as a special purpose corporation, trust, or limited liability company.
 - (B) Has program-wide credit enhancements including, but not limited to, overcollateralization, letters of credit, or a surety bond.
 - (C) Has commercial paper that is rated "A-1" or higher, or the equivalent, by an NRSRO.
- Eligible commercial paper shall have a maximum maturity of 270 days or less. Local agencies, other than counties or a city and county, may invest no more than 25 percent of their moneys in eligible commercial paper. Local agencies, other than counties or a city and county, may purchase no more than 10 percent of the outstanding commercial paper of any single

issuer. Counties or a city and county may invest in commercial paper pursuant to the concentration limits in subdivision (a) of Section 53635.

(i) Negotiable certificates of deposit issued by a nationally or state-chartered bank, a savings association or a federal association (as defined by Section 5102 of the Financial Code), a state or federal credit union, or by a federally licensed or state-licensed branch of a foreign bank. Purchases of negotiable certificates of deposit shall not exceed 30 percent of the agency's moneys that may be invested pursuant to this section. For purposes of this section, negotiable certificates of deposit do not come within Article 2 (commencing with Section 53630), except that the amount so invested shall be subject to the limitations of Section 53638. The legislative body of a local agency and the treasurer or other official of the local agency having legal custody of the moneys are prohibited from investing local agency funds, or funds in the custody of the local agency, in negotiable certificates of deposit issued by a state or federal credit union if a member of the legislative body of the local agency, or a person with investment decision-making authority in the administrative office manager's office, budget office, auditor-controller's office, or treasurer's office of the local agency also serves on the board of directors, or any committee appointed by the board of directors, or the credit committee or the supervisory committee of the state or federal credit union issuing the negotiable certificates of deposit.

(k) Medium-term notes, defined as all corporate and depository institution debt securities with a maximum remaining maturity of five years or less, issued by corporations organized and operating within the United States or by depository institutions licensed by the United States or any state and operating within the United States. Notes eligible for investment under this subdivision shall be rated in a rating category of "A" or its equivalent or better by an NRSRO. Purchases of medium-term notes shall not include other instruments authorized by this section and shall not exceed 30 percent of the agency's moneys that may be invested pursuant to this section.

(l) (1) Shares of beneficial interest issued by diversified management companies that invest in the securities and obligations as authorized by subdivisions (a) to (k), inclusive, and subdivisions (m) to (q), inclusive, and that comply with the investment restrictions of this article and Article 2 (commencing with Section 53630). However, notwithstanding these restrictions, a counterparty to a reverse repurchase agreement or securities lending agreement is not required to be a primary dealer of the Federal Reserve Bank of New York if the company's board of directors finds that the counterparty presents a minimal risk of default, and the value of the securities underlying a repurchase agreement or securities lending agreement may be 100 percent of the sales price if the securities are marked to market daily.

(2) Shares of beneficial interest issued by diversified management companies that are money market funds registered with the Securities and Exchange Commission under the Investment Company Act of 1940 (15 U.S.C. Sec. 80a-1 et seq.).

(3) If investment is in shares issued pursuant to paragraph (1), the company shall have met either of the following criteria:

(A) Attained the highest ranking or the highest letter and numerical rating provided by not less than two NRSROs.

(B) Retained an investment adviser registered or exempt from registration with the Securities and Exchange Commission with not less than five years' experience investing in the securities and obligations authorized by subdivisions (a) to (k), inclusive, and subdivisions (m) to (q), inclusive, and with assets under management in excess of five hundred million dollars (\$500,000,000).

(4) If investment is in shares issued pursuant to paragraph (2), the company shall have met either of the following criteria:

(A) Attained the highest ranking or the highest letter and numerical rating provided by not less than two NRSROs.

(B) Retained an investment adviser registered or exempt from registration with the Securities and Exchange Commission with not less than five years' experience managing money market mutual funds with assets under management in excess of five hundred million dollars (\$500,000,000).

(5) The purchase price of shares of beneficial interest purchased pursuant to this subdivision shall not include commission that the companies may charge and shall not exceed 20 percent of the agency's moneys that may be invested pursuant to this section. However, no more than 10 percent of the agency's funds may be invested in shares of beneficial interest of any one mutual fund pursuant to paragraph (1).

(m) Moneys held by a trustee or fiscal agent and pledged to the payment or security of bonds or other indebtedness, or obligations under a lease, installment sale, or other agreement of a local agency, or certificates of participation in those bonds, indebtedness, or lease installment sale, or other agreements, may be invested in accordance with the statutory provisions governing the issuance of those bonds, indebtedness, or lease installment sale, or other agreement, or to the extent not inconsistent therewith or if there are no specific statutory provisions, in accordance with the ordinance, resolution, indenture, or agreement of the local agency providing for the issuance.

(n) Notes, bonds, or other obligations that are at all times secured by a valid first priority security interest in securities of the types listed by Section 53651 as eligible securities for the purpose of securing local agency deposits having a market value at least equal to that required by Section 53652 for the purpose of securing local agency deposits. The securities serving as collateral shall be placed by delivery or book entry into the custody of a trust company or the trust department of a bank that is not affiliated with the issuer of the secured obligation, and the security interest shall be perfected in accordance with the requirements of the Uniform Commercial Code or federal regulations applicable to the types of securities in which the security interest is granted.

End Excerpt

If an investment of Tri-Dam becomes an unauthorized investment, management will seek to liquidate the unauthorized investment at the earliest opportunity that is consistent with the three primary objectives of safety of principal, liquidity, and yield.

END OF POLICY

BOARD AGENDA REPORT

Date: 1/20/2022
Staff: Brian Jaruszewski

SUBJECT: Tri-Dam Power Authority Annual Distribution

RECOMMENDED ACTION: Recommend approval of Annual Distribution to Oakdale Irrigation District and South San Joaquin Irrigation District.

BACKGROUND AND/OR HISTORY:

In 2013, the Tri-Dam Power Authority Board adopted Resolution 2013-03, which provided for the distribution of excess moneys anticipated to be on-hand and available as of December 31, to be calculated in the same manner as for Tri-Dam Project's excess funds.

Historically, Tri-Dam Power Authority has distributed excess funds once a year, at the end of the calendar year, with the distribution occurring in either December or January, based upon the preference of the Districts. At the December Board meeting it was determined that the distribution calculation be quantified and effectuated in January.

Attached is the Distribution Worksheet, which contains data through the month of December.

FISCAL IMPACT: See attached Distribution Worksheet

ATTACHMENTS: Tri-Dam Power Authority 2021 Distribution Worksheet
Tri-Dam Power Authority Resolution TDPA 2022-02

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

January 2022 Distribution

1	Cash and Investments	11/30/2020	12/31/2021
2	Cash in Bank	3,418,620	1,703,671
3	LAIF	85,138	89,593
4	Bond Debt Service Reserve	-	-
5	Bond Payment Account	-	-
6	Revenue Fund	1,000,000	1,000,000
7	Replacement Reserve	22,000	22,000
8	Total Cash & Investments	<u>4,525,758</u>	<u>2,815,264</u>
9			
10	Less:		
11	Bond Debt Service Reserve	-	-
12	Bond Payment Account	-	-
13	Revenue Fund	(1,000,000)	(1,000,000)
14	Replacement Reserve	(22,000)	(22,000)
15	Day-to-Day Operating Cash	<u>(1,000,000)</u>	<u>(1,000,000)</u>
16		<u>(2,022,000)</u>	<u>(2,022,000)</u>
17			
18	Available Funds	2,503,758	793,264
19			
20	Distribution per District (rounded)	1,252,000	400,000
21			
22			

Total Distributions - Authority					
2016	2017	2018	2019	2020	2021
-	1,384,000	7,383,000	4,868,000	2,504,000	

Total Distributions - Project					
2016	2017	2018	2019	2020	2021
15,918,176	32,773,000	21,119,000	18,252,000	25,142,000	

TRI-DAM POWER AUTHORITY RESOLUTION NO. TDPA – 2022-02

**RESOLUTION AUTHORIZING
FUNDS DISTRIBUTION TO DISTRICTS**

BE IT RESOLVED, that the Board of Directors of the Tri-Dam Power Authority (“Board”) adopt this Resolution.

WHEREAS, the Board has received and reviewed written information pertaining to the amount of current financial reserves of Tri-Dam Power Authority; and,

WHEREAS, there are excess moneys forecast to be remaining on December 31, 2021 after all expenses and obligations of the Authority, and after all requirements for the funding of reserve accounts have been met; and,

WHEREAS, the Board finds that funds are being held by Tri-Dam Power Authority that are in excess of the Authority’s current and near-term business needs; and,

WHEREAS, the Board finds that such excess funds may be more beneficially applied to the Irrigation Districts’ needs and requirements.

NOW THEREFORE BE IT RESOLVED that the Board of Directors

1. Determines that funds in the total amount of \$_____ are available for distribution to the Districts;
2. Directs that such distribution shall be made no later than January 31, 2022.
3. Directs the Tri-Dam Power Authority General Manager and Finance Manager to make such distribution, one-half to each District, in a time and manner as is reasonably practical pursuant to the terms of this Resolution.

PASSED AND ADOPTED by the Board of Directors of the TRI-DAM POWER AUTHORITY this 20th day of January, 2022 by the following vote:

AYES:

NOES:

ABSTAIN:

ABSENT:

TRI-DAM POWER AUTHORITY

Herman Doornenbal, President

Jarom Zimmerman, Secretary