



Notice of Regular Finance & Administration Committee Meeting
Monday, November 5, 2018, 12:00 p.m.
SLDMWA Boardroom
842 6th Street, Los Banos, CA

[telephonic participation locations identified below]

Agenda

NOTE: Any member of the public may address the Finance & Administration Committee concerning any item on the agenda before or during its consideration of that matter. Public comment is limited to no more than three minutes per person per item. For good cause, the Chair of the Finance & Administration Committee may waive this limitation.

1. Call to Order
2. Pledge of Allegiance
3. Finance & Administration Committee to Consider Corrections or Additions to the Agenda for the Regular Finance & Administration Committee Meeting only, as Authorized by Government Code Section 54950 et seq.
4. Opportunity for Public Comment – Any member of the public may address the Finance & Administration Committee concerning any matter not on the Agenda, but within the Finance & Administration Committee's jurisdiction. Public comment is limited to no more than three minutes per person. For good cause, the Chair of the Finance & Administration Committee may waive this limitation.

ACTION ITEMS

5. **Finance & Administration Committee to Consider Approval of the October 1, 2018, Meeting Minutes**
6. **Finance & Administration Committee to Review and Consider Making a Recommendation to the Board of Directors to Accept the Treasurer's Report for the Quarter Ending 9/30/18, Machado**
7. **Finance & Administration Committee to Consider Making a Recommendation to the Board of Directors to Approve Inclusion of Costs Related to the O&M of the DMC Sump Pumps and Drainage Management Performed by Panoche Drainage District in the FY19 and future O&M Budgets, Mizuno**
8. **Finance & Administration Committee to Consider Making a Recommendation to the Board of Directors to Approve the Proposed FY 20 and Preliminary FY 21 O&M Budget, Mizuno**

REPORT ITEMS

9. FY19 Activities Budget to Actual through 9/30/18
10. O&M Self-Funding Update
May Include:
 - Update on Outstanding Water Year Financial Issues
 - Update on Current Water Year Financial Issues

11. Financial Audit Update
12. FY20 Activity Agreement Budget Draft Schedule, Machado
13. Closed Session

PUBLIC EMPLOYEE PERFORMANCE EVALUATION

Title: Interim General Counsel/Deputy General Counsel

PUBLIC EMPLOYMENT

Title: Executive Director

14. Return to Open Session
15. Report from Closed Session, if any, Required by Government Code Section 54957.1
16. Reports Pursuant to Government Code Sec 54954.2
17. ADJOURNMENT

Persons with a disability may request disability-related modification or accommodation by contacting Cheri Worthy or Felicia Luna at the San Luis & Delta-Mendota Water Authority Office, 842 6th Street, P.O. Box 2157, Los Banos, California, telephone: 209/826-9696 at least 3 days before a regular meeting or 1 day before a special meeting/workshop.

Telephonic Participation Locations:¹

Friant Water Authority
Lindsay Main Facility
854 N. Harvard Ave.
Lindsay, CA 93247

San Benito County W.D.
30 Mansfield Rd.
Hollister, CA 95023

¹ Attention telephonic participants: This Notice and Agenda must be posted at the telephonic participation location, which must be accessible to the public.

**SAN LUIS & DELTA-MENDOTA WATER AUTHORITY
REGULAR FINANCE & ADMINISTRATION COMMITTEE
MEETING
MINUTES FOR OCTOBER 1, 2018**

The Finance & Administration Committee of the San Luis & Delta-Mendota Water Authority convened at approximately 12:00 p.m. for a regular meeting, with Chair Rick Gilmore presiding.

Members and Alternate Members in Attendance

Ex Officio

Absent

Division 1

Rick Gilmore, Member - Anthea Hansen, Alternate

Division 2

Bobbie Ormonde, Alternate

Division 3

Chris White, Alternate for Jim O'Banion

Division 4

Sara Singleton, Member - Dana Jacobson, Alternate

Division 5

Bill Pucheu, Member

Friant Water Authority

Absent

Authority Representatives Present

Frances Mizuno, Interim Executive Director

Joyce Machado, Director of Finance

Melody Hernandez, Accounting Tech I

Rebecca Akroyd, Interim General Counsel

Others in Attendance

Don Willard, Friant Water Authority (via teleconference)

1. Call to Order

Chair and Member Rick Gilmore called the meeting to order.

2. Pledge of Allegiance

The Pledge of Allegiance was recited.

3. Additions or Corrections to the Agenda

There were no additions or corrections.

4. Opportunity for Public Comment

There was no public comment.

ACTION ITEMS

5. Finance & Administration Committee to Consider Approval of the September 13, 2018 Meeting Minutes.

Member Bill Pucheu made the motion to approve the September 13, 2018 meeting minutes. The motion was seconded by alternate Chris White and passed unanimously. The Committee action is reported as follows:

AYES: Gilmore, Ormonde, White, Singleton, Pucheu

NOES: None

ABSTENTIONS: None

REPORT ITEMS

6. FY19 Activities Budget to Actual through 8/31/2018.

Director of Finance Joyce Machado asked the Committee to refer to attachment #1 in their packet: Budget to Actual Paid/Pending Comparison Summary and Detail through 8/31/2018. Machado stated that for the twelve member funded activities over 6 months, the budget was trending positive with overall actual spending through 8/31/2018 at 27.16% of the approved budget. Machado noted that the positive trend was due to timing of invoices and projects. Machado also noted that the two activities trending over budget are Contract Renewal Coordinator and Yuba County Water Transfers due to legal expenses. Machado then asked the Committee to refer to page 3 of attachment for detail on actual and pending expenditures by fund, page 4 for amounts remaining in each fund and page 5 which provides variances between year to date budgeted amounts and year to date paid/pending amounts for each expense. Interim Executive Director Frances Mizuno added that under Technical the Direct Funding expenditures are currently minimal because the contracts have been issued and the work is ongoing but there have only been a few invoices submitted for payment.

7. O&M Self-Funding Update.

Director of Finance Joyce Machado reported to the Committee that for WY18 the O&M self-funding actual expenses through 8/31/2018 were under budget by \$1,481,632. Machado

stated that for WY17 the delivery and revenue reconciliations are in progress and Contractor Records will be sent out in late October. Machado added that for WY16 the final reconciliations and allocation of costs are in progress and staff is working with BOR to resolve exceptions found on BOR's 9/30/17 PUE cost true up. Machado added that the Intertie O&M cost recovery is still an outstanding item, but that Interim Executive Director Frances Mizuno has resumed the process to determine an allocation. Machado directed the Committee to refer to Intertie Position Analysis included in attachment #2 in their packet for additional information.

8. Financial Audit Update.

Director of Finance Joyce Machado reported to the Committee that the Audit Schedule would be updated with projected dates soon. Machado directed the Committee to refer to attachment #3 of their packet for the list of CPA firms that we expect to solicit RFPs in late October for the FY18 and FY19 financial statement audits. Interim Executive Director Frances Mizuno added that Joyce Machado would now be assuming the full duties of the Director of Finance so that the current Director of Finance Tona Mederios can focus all her efforts on the completion of audits until her retirement in April 2019. Mizuno added that staff is currently in the process of recruiting for the Supervisor of General Accounting position, and that the individual that is hired will be assisting Mederios on completing the audits.

9. Administrative Budget Review.

Interim Executive Director Frances Mizuno informed the Committee that as part of the Strategic Planning process and after reviewing the activity agreement cost allocation process, staff also reviewed the current Administrative Budget process and allocation. Mizuno asked the Committee to refer to Administrative Budget/Allocation worksheet in their packet that showed the percentages of administrative expenditures currently being allocated to each fund/activity agreement. After reviewing with the Committee the current Administrative Budget process, Mizuno proposed to the Committee changes to simplify the Administrative budgeting process including the removal of salaries from this budget. Mizuno then asked the Committee to refer to the Administrative Budget/Allocation, also in their packet, that reflected the proposed changes. Mizuno explained that the Administration Budget consists of costs/expenses related to the Los Banos Administration Office (LBAO) and these costs are mostly necessary for the purpose of the O&M function and therefore the majority of this budget should be allocated to O&M. Mizuno recommended that the allocation be as follows: 84% O&M, 10% General Fund and 6% to SJVDA. Mizuno added that staff is looking for the Committee's guidance on the

proposed changes, not for the Committee's approval at this time. The actual changes and approval will be as part of the budget approval process. Members Ormonde, Singleton, and Alternate Hansen expressed that each activity agreement should also be assessed some of the Administration budget costs and suggested a fixed cost be set up for each of the other activity agreements. Mizuno agreed that this could be done.

10. Reports Pursuant to Government Code Sec 54954.2

There were no reports.

11. Adjournment.

The meeting was adjourned at approximately 12:45 p.m.



MEMO

TO: Finance & Administration Committee (FAC)
FROM: Joyce Machado, Treasurer/Director of Finance
SUBJECT: Quarter Ending September 30, 2018 Treasurer's Report
DATE: November 5, 2018 FAC Meeting

- Quarter Ending September 30, 2018 Treasurer's Report, pages 1-3
- Detail to Support Report, pages 4-5
- References A-I

Recommendation:

Review and consider making a recommendation to the Board of Directors to accept the Treasurer's Report for the Quarter Ending September 30, 2018

San Luis & Delta-Mendota Water Authority

Treasurer's Report

Quarter Ended September 30, 2018

Report Completed: October 23, 2018

Report Updated:

Page 1 of 3

This report is prepared in accordance with the Investment Policy of the San Luis & Delta-Mendota Water Authority and California Government Code Sec. 53646. The portfolio is in compliance with the San Luis & Delta-Mendota Investment Policy. The Water Authority has the ability to meet its expenditure requirements for the next six months.

HOLDINGS REPORT BY INVESTMENT TYPE

CASH

	Maturity	Positions Value	Market Price	Market Value	Unrealized Gain/(Loss) 4	Average Quarter Yield @ 9/30/18	Yield 9/30/2018	Yield 8/31/2018	Yield 7/31/2018
CVCB - Checking - Internal Bank Sweep	Daily	\$ -	100.00	\$ -		0.000%	0.000%	0.000%	0.000%
CVCB - Payroll	Daily	\$ 3,289.38	100.00	\$ 3,289.38		0.000%	0.000%	0.000%	0.000%
CVCB - Transactional	Daily	\$ 5,735,230.59	100.00	\$ 5,735,230.59		1.533%	1.590%	1.470%	1.540%
CVCB - Muni	Daily	\$ 5,468,925.00	100.00	\$ 5,468,925.00		1.610%	1.610%	1.610%	1.610%
LOCAL AGENCY INVESTMENT FUND (LAIF)	Daily	\$ 19,741,625.79	100.00	\$ 19,741,625.79		2.160%	2.063%	1.998%	1.944%
INVESTMENT TRUST OF CALIF. (CALTRUST - ST)	Next Day	\$ 5,311,026.40	2	\$ 5,311,016.75	\$ (9.65)	2.207%	2.270%	2.190%	2.160%
INVESTMENT TRUST OF CALIF. (CALTRUST - MT)	Monthly	\$ 13,117,235.71	2	\$ 13,090,779.94	\$ (26,455.77)	2.677%	2.740%	2.640%	2.650%
SUB-TOTAL		\$ 49,377,332.87		\$ 49,350,867.45	\$ (26,465.42)				

OTHER CASH

DHCCP Bonds: 2013A									
Union Bank (MUFG as of Aug 2018) - Series - 2013A Rev Fund	Next Day	\$ 2.00	100.00	\$ 2.00	\$ -	1.050%	0.000%	1.560%	1.590%
Union Bank (MUFG as of Aug 2018) - Series - 2013A Escrow Acct	2023	\$ 3,684,098.86	5	\$ 3,619,852.57	\$ (64,246.29)	0.000%	0.000%	0.000%	0.000%
SUB-TOTAL DHCCP - 2013A		\$ 3,684,100.86		\$ 3,619,854.57	\$ (64,246.29)				
GRAND TOTAL - ALL CASH		\$ 53,061,433.73		\$ 52,970,722.02	\$ (90,711.71)				

Notes:

The year-to-date weighted average yield on all funds invested or maintained in financial institutions/Federal Securities is 1.57% (this considers the interest rates trend since January).

1. LAIF: Average Life of Portfolio (Average Maturity in days) is 193 days or 0.53 years.
2. CalTrust: Average Life of Portfolio is 0.87 years for short term (ST) and 1.88 years for medium term (MT).
3. Quarter Ending 9/30/18 LAIF Apportionment Rate.
4. For the Quarter ending 9/30/18.
5. Positions Value = Cost Basis of Purchased Securities on 5/24/17, which are zero coupon with payment at maturity year 2023.

San Luis & Delta-Mendota Water Authority **Treasurer's Report**

Quarter Ended September 30, 2018

Report Completed: October 23, 2018

Page 2 of 3

The ability of the San Luis & Delta-Mendota Water Authority to meet expenditure requirements for the next six months is as follows:

DMC

Water User Funding:

Effective March 1, 1998 the Authority became Self-Funded for the OM&R of the facilities formerly included in the Conveyance, Conveyance Pumping, and Drainage components of the USBR O&M Rate. Since the initial start up period of self-funding, water users are paying for estimated deliveries on a monthly basis. Required payments are being received timely, with few exceptions.

USBR/Other Funding:

Additional USBR modifications, Service Contract, Construction Contract, Sole Source Purchase Orders, Grants, and other amounts expected. Outstanding Funding Requests include:

\$0	USBR Facilities O&M at September 30, 2018
-----	---

San Luis & Delta-Mendota Water Authority

Treasurer's Report

Quarter Ended September 30, 2018

Report Completed: October 23, 2018

Page 3 of 3

OTHER ACTIVITIES

It is anticipated that sufficient funds shall be available to meet budgeted expenditures of all activities. Amounts to cover such expenditures will be collected from membership billings. (See below).

FY18:

\$	29,102.00	Balance forward as of July 1, 2018
\$	(579.00)	Collections through 9/30/18
\$	<u>28,523.00</u>	Amount uncollected as of September 30, 2018. As of October 20, 2018 we have collected an additional \$18,143.00 leaving a balance of \$10,380.00.

FY19:

\$	745,614.40	Balance forward as of July 1, 2018
\$	3,746,624.00	Amount Invoiced - (2nd Installments 8/1/18)
\$	(3,205,614.94)	Collections through 9/30/18
\$	<u>1,286,623.46</u>	Amount uncollected as of September 30, 2018. As of October 20, 2018 we have collected an additional \$301,413.37 leaving a balance of \$985,210.09.

San Luis & Delta-Mendota Water Authority

Treasurer's Report

Quarter Ended September 30, 2018, (Jul, Aug, Sept 2018)

Detail to Support Report

Prepared by: C. Bento for J. Machado

CASH

Central Valley Community Bank (CVCB)

CVCB - Checking - Sweep
CVCB - Payroll
CVCB - Transactional
CVCB - Muni

Local Agency Invest. Fund-State of Ca.

Investment Trust of California (CalTRUST)

CalTRUST - Short Term
CalTRUST - Medium Term

	1	2	3	4	5	
	7/1/2018				9/30/2018	Reference
	Beginning Balance	Deposits or	Draws or	Change in Value	Ending Balance	
	Market Value	Transfer IN	Transfer OUT		Market Value	
	\$ -	\$ 15,443,874.21	\$ (15,443,874.21)	N/A	\$ -	A
	\$ 1,359.15	\$ 1,429,665.83	\$ (1,427,735.60)	N/A	\$ 3,289.38	B
	\$ 3,288,571.16	\$ 36,314,427.83	\$ (33,867,768.40)	N/A	\$ 5,735,230.59	C
	\$ 5,446,928.68	\$ 21,996.32	\$ -	N/A	\$ 5,468,925.00	D
	\$ 13,711,495.35	\$ 6,030,130.44	\$ -	N/A	\$ 19,741,625.79	F
	\$ 5,282,793.66	\$ 28,232.74	\$ -	\$ (9.65)	\$ 5,311,016.75	G
	\$ 13,048,613.55	\$ 68,622.16	\$ -	\$ (26,455.77)	\$ 13,090,779.94	G
	\$ 40,779,761.55	\$ 59,336,949.53	\$ (50,739,378.21)	\$ (26,465.42)	\$ 49,350,867.45	G

1 Beginning Balance = Market Value at end of previous quarter

2 Deposits or Transfers IN = O&M collections, Membership collections, Interest and Other Revenue, and also includes Transfer IN from Other SLDMWA Accounts

3 Draws or Transfers OUT = O&M and Membership paid expenditures, and also Transfers OUT to Other SLDMWA Accounts

4 Change in Value = CalTRUST Investment is based on share price, change in price results in change in value

5 Ending Balance = Market Value at end of current quarter

San Luis & Delta-Mendota Water Authority

Treasurer's Report

Quarter Ended September 30, 2018, (Jul, Aug, Sept 2018)

Detail to Support Report

Prepared by: C. Bento for J. Machado

OTHER CASH

Union Bank of California, (UBOC)/(MUFG as of Aug 2018)

	6	7	8	9	10	Reference
	7/1/2018	Deposits or Transfer IN	Draws or Transfer OUT	Change in Value	Ending Balance	
	Beginning Balance				Market Value	
	Market Value / Cost					
Basis						
11 Series 2013A-Revenue Fund	\$ 146.38	\$ 1,038,914.89	\$ (1,039,059.27)	N/A	\$ 2.00	H
12 Series 2013A-Escrow Account	\$ 3,684,098.86	\$ -	\$ -	\$ (64,246.29)	\$ 3,619,852.57	I
TOTAL-Other Cash	\$ 3,684,245.24	\$ 1,038,914.89	\$ (1,039,059.27)	\$ (64,246.29)	\$ 3,619,854.57	

- 6 Beginning Balance- Market Value = Series 2013A -Revenue Fund at end of previous quarter; Cost Basis = Series 2013A Escrow Account Purchased Securities @ 5/24/17
- 7 Deposits or Transfer IN = Debt Service collections, dividends, and also interest
- 8 Draws or Transfer OUT = Debt Service payments or payment of defeasement at 2023
- 9 Change in Value = Reflects change in price of securities. Securities will be held to Maturity and will redeem at PAR Value (face value)
- 10 Ending Balance = Market Value at end of current quarter
- 11 Series 2013A - UBOC Revenue Fund - Debt Service transactions clear through this account, remaining balance adjusted through next debt service payment
- 12 Series 2013A - UBOC Escrow Account - 2009A Note Remaining Funds invested to defease a portion of the 2013A Bonds in 2023.

See detail below:

Wired to UBOC - Escrow Account

5/24/2017 Amount to UBOC \$ 3,684,098.86

Invested:

	Type of Security	Purchase Price/Yield	PAR Value (face value)
5/24/2017 Zero-Coupon, Maturity 1/15/2023	STRIP (a)	\$88.669360 / 2.142%	\$ 3,000.00
5/24/2017 Zero-Coupon, Maturity 2/15/2023	Agency (b)	\$88.864476 / 2.071%	\$ 2,072,000.00
5/24/2017 Zero-Coupon, Maturity 2/15/2023	Agency (b)	\$88.814308 / 2.081%	\$ 2,070,000.00
5/24/2017 Uninvested Cash	Uninvested Cash	N/A	\$ 1,710.66
Total			\$ 4,146,710.66

(a) STRIP "Separate Trading of Registered Interest and Principal of Securities" US Government Backed

(b) Agency "AID-Agency for International Development", US Government Backed

**Central Valley
Community
Bank**



Received 10/11/18 CB

A

004693

SAN LUIS AND DELTA MENDOTA WATER
AUTHORITY
PO BOX 2157
LOS BANOS CA 93635-2157

9-30-18

209

XX
Page 1

Account Number

LODI OFFICE
(559) 298-1775 24-Hour BankLine (559) 297-6638
Out of Local area (866) 455-6638

PRIVACY NOTICE - Federal Law requires us to tell you
how we collect, share, and protect your personal information.
Our Privacy Policy has not changed and you may review our policy and
practices with respect to your personal information at www.cvcb.com or we
will mail a free copy to you upon request if you call us at (800) 298-1775.

ACCOUNT NUMBER 51000471 BUSINESS CHECKING

ACCOUNT SUMMARY

Previous Balance	8-31-18		.00
+ Deposits/Credits	19	2,808,194.62	
- Checks/Debits	229	2,807,969.72	
- Service Charge		224.90	
Current Balance	9-30-18		.00

CHECKS

No.	Date	Amount	No.	Date	Amount
26283	9-04	494.88	26562	9-12	1575.00
26321*	9-04	258.00	26563	9-05	102.14
26466*	9-12	17500.00	26564	9-10	1901.22
26472*	9-04	244.84	26565	9-04	59.51
26500*	9-07	2957.50	26566	9-07	92.48
26505*	9-20	175.00	26567	9-05	20.00
26510*	9-04	195.00	26568	9-06	1073.00
26512*	9-17	90.00	26569	9-05	1400.63
26513	9-04	90.00	26570	9-04	238.25
26515*	9-11	90.00	26571	9-07	100.00
26516	9-05	195.00	26572	9-06	140.00
26517	9-12	90.00	26573	9-06	1131.26
26518	9-05	90.00	26574	9-06	73.18
26521*	9-11	90.00	26575	9-05	236.27
26527*	9-07	90.00	26576	9-05	103.42
26529*	9-10	195.00	26577	9-05	224.39
26531*	9-04	90.00	26578	9-06	530.75
26532	9-06	195.00	26579	9-05	344.91
26539*	9-10	90.00	26580	9-04	1064.02
26540	9-05	195.00	26581	9-06	2869.00
26543*	9-10	90.00	26582	9-05	4034.25
26545*	9-04	90.00	26584*	9-06	14.47
26549*	9-13	90.00	26585	9-06	392.05
26552*	9-04	195.00	26586	9-06	1626.18
26553	9-28	90.00	26587	9-05	39418.82
26555*	9-10	90.00	26588	9-05	211.74
26558*	9-06	1548.75	26589	9-10	855.57
26559	9-05	645.86	26590	9-07	196356.78
26560	9-05	637.13	26591	9-07	529.85
26561	9-07	577.20	26592	9-10	105.23

Continued on Next Page

Central Valley
Community
Bank



Received 10/5/18 crb

B

003479

SAN LUIS AND DELTA MENDOTA WATER
AUTHORITY
PAYROLL ACCOUNT
PO BOX 2157
LOS BANOS CA 93635-2157

9-30-18

XX Page 1

Account Number

LODI OFFICE
(559) 298-1775 24-Hour BankLine (559) 297-6638
Out of Local area (866) 455-6638

PRIVACY NOTICE - Federal Law requires us to tell you how we collect, share, and protect your personal information. Our Privacy Policy has not changed and you may review our policy and practices with respect to your personal information at www.cvcb.com or we will mail a free copy to you upon request if you call us at (800) 298-1775.

ACCOUNT NUMBER 51000489 BUSINESS CHECKING

ACCOUNT SUMMARY

Previous Balance	8-31-18	3,289.38
+ Deposits/Credits	4	415,849.34
- Checks/Debits	10	415,849.34
- Service Charge		.00
Current Balance	9-30-18	3,289.38

CHECKS

No.	Date	Amount	No.	Date	Amount
22986	9-04	1166.39	23090*	9-17	2126.19
22995*	9-04	2112.99	23166*	9-28	1505.91
23081*	9-17	1166.39	23167	9-28	852.65

CREDIT ACTIVITY AND OTHER DEBITS

Date	Tracer	Description	Amount
9-12	26	WEB XFER FR DDA 000051000463	206513.58
9-24	22	WEB XFER FR DDA 000051000463	852.65
9-24	22	WEB XFER FR DDA 000051000463	1505.91
9-26	16	WEB XFER FR DDA 000051000463	206977.20

ELECTRONIC FUNDS TRANSFERS

Date	Tracer	Description	Amount
9-14	10256	SAN LUIS & DELTA ACH XFER PAYROLL	196195.00-
9-14	10256	SAN LUIS & DELTA ACH XFER PAYROLL	7026.00-
9-28	7270	SAN LUIS & DELTA ACH XFER PAYROLL	196674.32-
9-28	7270	SAN LUIS & DELTA ACH XFER PAYROLL	7023.50-

Central Valley
Community
Bank



Received 10/4/18 CB

c

003478

SAN LUIS AND DELTA MENDOTA WATER
AUTHORITY
PO BOX 2157
LOS BANOS CA 93635-2157

9-30-18

XX
Page 1

Account Number

LODI OFFICE
(559) 298-1775 24-Hour BankLine (559) 297-6638
Out of Local area (866) 455-6638

PRIVACY NOTICE - Federal Law requires us to tell you how we collect, share, and protect your personal information. Our Privacy Policy has not changed and you may review our policy and practices with respect to your personal information at www.cvcb.com or we will mail a free copy to you upon request if you call us at (800) 298-1775.

ACCOUNT NUMBER 51000463 SPECIAL MONEY MARKET CHECKING

ACCOUNT SUMMARY

Previous Balance	8-31-18	9,011,050.74
+ Deposits/Credits	22	6,202,889.46
- Checks/Debits	30	9,485,943.96
- Service Charge		.00
+ Interest Paid		7,234.35
Current Balance	9-30-18	5,735,230.59

CREDIT ACTIVITY AND OTHER DEBITS

Date	Tracer	Description	Amount
9-04	6	REMOTE DEPOSIT	427479.61
9-04	999	TRANSFER TO DDA 0051000471	72661.30-
9-05	999	TRANSFER TO DDA 0051000471	101408.97-
9-06	14	REMOTE DEPOSIT	68806.45
9-06	999	TRANSFER TO DDA 0051000471	22740.87-
9-07	9123	OUTGOING WIRE 37688	3130900.00-
9-07	9123	OUTGOING WIRE 37690	3130900.00-
9-07	15	REMOTE DEPOSIT	1115.50
9-07	37	REMOTE DEPOSIT	909.93
9-07	999	TRANSFER TO DDA 0051000471	200703.81-
9-10	999	TRANSFER TO DDA 0051000471	868495.23-
9-11	999	TRANSFER TO DDA 0051000471	180.00-
9-12	28	REMOTE DEPOSIT	10006.16
9-12	26	WEB XFER TO DDA 000051000489	206513.58-
9-12	999	TRANSFER TO DDA 0051000471	19397.13-
9-13	3	REMOTE DEPOSIT	703.56
9-13	999	TRANSFER TO DDA 0051000471	3879.25-
9-14	9123	INCOMING WIRE 30625895	323418.71
9-14	9123	INCOMING WIRE FEE 30625895	20.00-
9-14	9123	INCOMING WIRE 30632512	221200.00
9-14	9123	INCOMING WIRE FEE 30632512	20.00-
9-14	999	TRANSFER TO DDA 0051000471	303866.16-
9-17	9123	INCOMING WIRE 30649890	1580419.54
9-17	9123	INCOMING WIRE FEE 30649890	20.00-
9-17	29	REMOTE DEPOSIT	134076.58
9-17	999	TRANSFER TO DDA 0051000471	530735.05-
9-18	9123	INCOMING WIRE 30668899	415211.73
9-18	9123	INCOMING WIRE FEE 30668899	20.00-
9-18	999	TRANSFER TO DDA 0051000471	14640.51-

Continued on Next Page



Received 10/4/18 cvo

D

000166

SAN LUIS AND DELTA MENDOTA WATER
AUTHORITY
PO BOX 2157
LOS BANOS CA 93635-2157

9-30-18

XX
Page 1

Account Number

LODI OFFICE
(559) 298-1775 24-Hour BankLine (559) 297-6638
Out of Local area (866) 455-6638

PRIVACY NOTICE - Federal Law requires us to tell you how we collect, share, and protect your personal information. Our Privacy Policy has not changed and you may review our policy and practices with respect to your personal information at www.cvcb.com or we will mail a free copy to you upon request if you call us at (800) 298-1775.

ACCOUNT NUMBER 1204858 SPECIAL MONEY MARKET CHECKING

ACCOUNT SUMMARY

Previous Balance	8-31-18	5,461,742.44
+ Deposits/Credits		.00
- Checks/Debits		.00
- Service Charge		.00
+ Interest Paid		7,182.56
Current Balance	9-30-18	5,468,925.00

CREDIT ACTIVITY AND OTHER DEBITS

Date	Tracer Description	Amount
9-28	999 INTEREST PAYMENT	7182.56

INTEREST SUMMARY

Interest Earned From	9/01/18 Through	9/30/18
Days in Statement Period		30
Interest Earned		7,182.56
Annual Percentage Yield Earned		1.61 %
Interest Paid this Year		30,826.17
Interest Withheld this Year		.00

* OVERDRAFT CHARGES/REFUNDS SUMMARY *		
	This Cycle	YTD
Total returned item fees	.00	.00
Total overdraft fees	.00	.00
Total fees charged	.00	.00

	This Cycle	YTD
Refund of returned check fees	.00	.00
Refund of paid check fees	.00	.00
Total fees refunded	.00	.00

DAILY BALANCE

Date	Balance	Date	Balance	Date	Balance
8-31	5461742.44	9-28	5468925.00		

Continued on Next Page

E

**San Luis & Delta-Mendota Water Authority
Central Valley Community Bank - Holdings Analysis**

Central Valley Community Bank Investment Analysis		Quarter Ended 9/30/2018	
		Market Value	Portfolio % % By Type
Obligations of States & Political Subdivisions U.S. Government Agencies Collateralized by Mortgage Obligations		66,795,996.21	87.79%
		9,290,882.25	12.21%
Total Pledged for Local Agencies		76,086,878.46	100.00%



F

BETTY T. YEE

California State Controller

LOCAL AGENCY INVESTMENT FUND
REMITTANCE ADVICE

Agency Name	SAN LUIS & DELTA WAT AUTH
Account Number	90-24-006

As of 10/15/2018, your Local Agency Investment Fund account has been directly credited with the interest earned on your deposits for the quarter ending 09/30/2018.

Earnings Ratio		.00005909460836489
Interest Rate		2.16%
Dollar Day Total	\$	1,515,868,007.40
Quarter End Principal Balance	\$	19,741,625.79
Quarterly Interest Earned	\$	89,579.63



**JOHN CHIANG
TREASURER
STATE OF CALIFORNIA**



F

PMIA Performance Report

Date	Daily Yield*	Quarter to Date Yield	Average Maturity (in days)
09/17/18	2.07	1.99	187
09/18/18	2.07	1.99	188
09/19/18	2.08	1.99	188
09/20/18	2.08	1.99	188
09/21/18	2.08	1.99	187
09/22/18	2.08	1.99	187
09/23/18	2.08	1.99	187
09/24/18	2.08	2.00	189
09/25/18	2.08	2.00	188
09/26/18	2.09	2.00	190
09/27/18	2.09	2.00	192
09/28/18	2.09	2.00	193
09/29/18	2.09	2.00	193
09/30/18	2.09	2.00	193
10/01/18	2.11	2.11	205
10/02/18	2.11	2.11	205
10/03/18	2.12	2.11	206
10/04/18	2.12	2.12	206
10/05/18	2.12	2.12	205
10/06/18	2.12	2.12	205
10/07/18	2.12	2.12	205
10/08/18	2.12	2.12	202
10/09/18	2.12	2.12	202
10/10/18	2.13	2.12	202
10/11/18	2.14	2.12	203
10/12/18	2.14	2.12	202
10/13/18	2.14	2.12	202
10/14/18	2.14	2.13	202
10/15/18	2.14	2.13	200
10/16/18	2.15	2.13	198
10/17/18	2.15	2.13	198

*Daily yield does not reflect capital gains or losses

[View Prior Month Daily Rates](#)

LAIF Performance Report

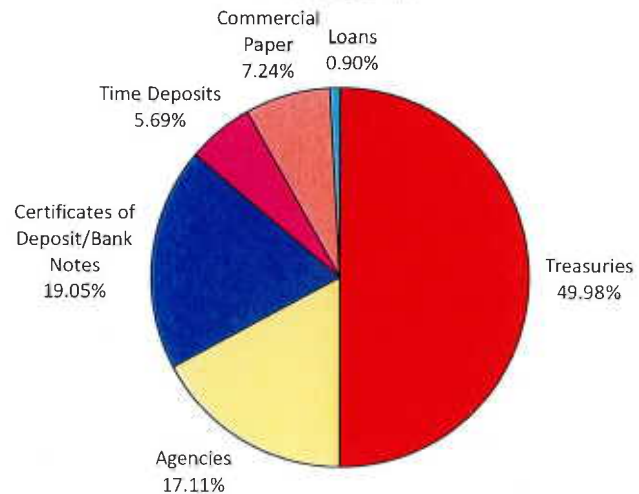
Quarter Ending 09/30/18

Apportionment Rate: 2.16%
 Earnings Ratio: 0.00005909460836489
 Fair Value Factor: 0.997832404
 Daily: 2.09%
 Quarter to Date: 2.00%
 Average Life: 193

**PMIA Average Monthly
Effective Yields**

Sept 2018 2.063
 Aug 2018 1.998
 July 2018 1.944

**Pooled Money Investment Account
Portfolio Composition
09/30/18
\$88.3 billion**



Percentages may not total 100%, due to rounding.

Based on data available as of 10/17/2018



CalTRUST
 c/o Gemini Fund Services LLC
 PO Box 541150
 Omaha, NE 68154-9150
 www.caltrust.org
 Email: CalTRUSTSupport@thegeminicompanies.com
 Fax: 402-963-9094
 Phone: 833-CALTRUST (225-8787)

Investment Account Summary

09/01/2018 through 09/30/2018

G

SUMMARY OF INVESTMENTS

Fund	Account Number	Total Shares Owned	Net Asset Value per Share on Sep 30 (\$)	Value on Sep 30 (\$)	Average Cost Amount (\$)	Cumulative Unrealized Gain/(Loss) (\$)
SAN LUIS & DELTA - MENDOTA WATER AUTHORITY	20100002510					
CalTRUST Short Term Fund	20100002510	530,571.104	10.01	5,311,016.75	5,316,261.63	(5,244.88)
CalTRUST Medium Term Fund	20100002510	1,324,977.727	9.88	13,090,779.94	13,346,441.66	(255,661.72)
Portfolios Total value as of 09/30/2018				18,401,796.69		

DETAIL OF TRANSACTION ACTIVITY

Activity Description	Activity Date	Amount (\$)	Amount in Shares	Balance in Shares	Price per Share (\$)	Balance (\$)	Average Cost Amt (\$)	Realized Gain/(Loss) (\$)
CalTRUST Short Term Fund		SAN LUIS & DELTA - MENDOTA WATER AUTHORITY				Account Number: 20100002510		
Beginning Balance	09/01/2018			529,681.022	10.02	5,307,403.84		
Accrual Income Div Reinvestment	09/28/2018	8,909.72	890.082	530,571.104	10.01	5,311,016.75	0.00	0.00
Unrealized Gain/(Loss)						(5,296.81)		
Closing Balance as of	Sep 30			530,571.104	10.01	5,311,016.75		
CalTRUST Medium Term Fund		SAN LUIS & DELTA - MENDOTA WATER AUTHORITY				Account Number: 20100002510		
Beginning Balance	09/01/2018			1,322,800.958	9.91	13,108,957.49		
Accrual Income Div Reinvestment	09/28/2018	21,506.48	2,176.769	1,324,977.727	9.88	13,090,779.94	0.00	0.00
Unrealized Gain/(Loss)						(39,684.03)		
Closing Balance as of	Sep 30			1,324,977.727	9.88	13,090,779.94		

Please note that this information should not be construed as tax advice and it is recommended that you consult with a tax professional regarding your account.



Account Number
6712017604

Account Name
SAN LUIS & DELTA-MENDOTA 13A RES AC

Account Statement

Statement Period

September 1, 2018 through September 30, 2018

Asset Detail - Principal Portfolio

Other Assets

Asset Name	Asset Identifier	Shares/ Units Held	Cost Basis	Market Value	Price/ Date Priced	Percentage of Portfolio	Current Yield
Insurance Policies							
BUILD AMERICA MUTUAL ASSURANCE COMPANY MUNICIPAL BOND DEBT SERVICE RESERVE INSURANCE POLICY NO. 2013R0238 (COPY OF) FOR THE SAN LUIS & DELTA-MENDOTA WATER AUTH.	0868#010871	1.0000	1.00	1.00	1.0000 10/30/2014	100.00%	0.00%
Total Other Assets		1.0000	\$1.00	\$1.00		100.00%	0.00%
Total Principal Portfolio		1.0000	\$1.00	\$1.00		100.00%	0.00%
Total Account Values		1.0000	\$1.00	\$1.00		100.00%	0.00%

Transaction Detail

No Transactions for this Period

0.000 T
1.000 T
1.000 T
2.000 T



Account Number
6712017601

Account Name
SAN LUIS & DELTA-MENDOTA 13A REV FD

Account Statement

Statement Period

September 1, 2018 through September 30, 2018

Asset Detail - Principal Portfolio

Other Assets

Asset Name	Asset Identifier	Shares/ Units Held	Cost Basis	Market Value	Price/ Date Priced	Percentage of Portfolio	Current Yield
Insurance Policies							
BUILD AMERICA MUTUAL ASSURANCE COMPANY MUNICIPAL BOND INSURANCE POLICY NO. 2013B0238 (COPY OF) FOR THE SAN LUIS & DELTA-MENDOTA WATER AUTHORITY REFUNDING REVENUE BONDS,	0868#010870	1.0000	1.00	1.00	1.0000 10/30/2014	100.00%	0.00%
Total Other Assets		1.0000	\$1.00	\$1.00		100.00%	0.00%
Total Principal Portfolio		1.0000	\$1.00	\$1.00		100.00%	0.00%
Total Account Values		1.0000	\$1.00	\$1.00		100.00%	0.00%

Transaction Detail

Date	Description	Asset Identifier	Principal Cash	Cost Basis
Beginning Balance				
09/04/18	CASH RECEIPT OF DIVIDEND EARNED ON BLACKROCK T FUND DOLLAR MMKT DLR #61 DIVIDEND FROM 8/1/18 TO 8/31/18	09248U69S	\$0.00 219.21	\$1,038,841.06
09/04/18	SOLD 1,038,840.06 UNITS OF BLACKROCK T FUND DOLLAR MMKT DLR #61 TRADE DATE 09/04/18	09248U69S	1,038,840.06	(1,038,840.06)
09/04/18	CASH DISBURSEMENT PAID TO ACCOUNT # 6712017602 TRANSFER FUNDS TO OTHER ACCT TRANSFER OF INTEREST PER SECTION 5.02(A) OF TRUST		(864,125.00)	



Account Number
6712017602

Account Name
SAN LUIS & DELTA-MENDOTA 13A INT AC

Account Statement

Statement Period

September 1, 2018 through September 30, 2018

Asset Detail

No Holdings at End of Period

Transaction Detail

Date	Description	Asset Identifier	Principal Cash	Cost Basis
Beginning Balance			\$0.00	\$0.00
09/04/18	CASH RECEIPT ADDITION TO ACCOUNT PAID FROM ACCOUNT # 6712017601 TRANSFER OF INTEREST PER SECTION 5.02(A) OF TRUST		864,125.00	
09/04/18	CASH DISBURSEMENT PAID TO ACCOUNT # 7-00002-90-5 DEBT SERVICE PMT - INTEREST		(864,125.00)	
Net Activity			\$0.00	\$0.00
Ending Balance			\$0.00	\$0.00



Account Number
6712017601

Account Name
SAN LUIS & DELTA-MENDOTA 13A REV/FD

Account Statement

Statement Period

September 1, 2018 through September 30, 2018

Transaction Detail (continued)

Date	Description	Asset Identifier	Principal Cash	Cost Basis
09/04/18	CASH DISBURSEMENT PAID TO WESTLANDS WATER DISTRICT WIRE TRANSFER PER SEC 5.02(D) OF INDENTURE AND 6.1.2 WESTLANDS WATER DISTRICT ACTIVITY AGREEMENT		(174,934.27)	
Net Activity			\$0.00	(\$1,038,840.06)
Ending Balance			\$0.00	\$1.00

H





Account Number
6712188301

Account Name
SAN LUIS & DELTA-MENDOTA 13A ESC FD

Account Statement

Statement Period

September 1, 2018 through September 30, 2018

Asset Detail - Principal Portfolio

Cash & Cash Equivalents

Asset Name	Asset Identifier	Shares/ Units Held	Cost Basis	Market Value	Price/ Date Priced	Percentage of Portfolio	Current Yield
Bank Deposit Accounts							
UNINVESTED CASH	904UC2491	1,710.6600	1,710.66	1,710.66	1.0000 09/28/2018	0.05%	0.00%
Total Cash & Cash Equivalents		1,710.6600	\$1,710.66	\$1,710.66		0.05%	0.00%

Government Obligations

Asset Name	Asset Identifier	Shares/ Units Held	Cost Basis	Market Value	Price/ Date Priced	Percentage of Portfolio	Current Yield
US Govt Agency - Discount							
RESOLUTION FDG FED BK CPN ST 0.0000% 1/15/2023	76116EG80	3,000.0000	2,660.08	2,631.57	87.7190 09/28/2018	0.07%	2.23%
Total Government Obligations		3,000.0000	\$2,660.08	\$2,631.57		0.07%	2.23%

Non-US Securities

Asset Name	Asset Identifier	Shares/ Units Held	Cost Basis	Market Value	Price/ Date Priced	Percentage of Portfolio	Current Yield
Non - US Government Obligation							
ISRAEL ST U S GOVT GTD NTS 0.0000% 2/15/2023	465139MS9	2,072,000.0000	1,841,271.94	1,808,586.64	87.2870 09/28/2018	49.96%	0.00%



Account Number
6712188301

Account Name
SAN LUIS & DELTA-MENDOTA 13A ESC FD

Account Statement

Statement Period

September 1, 2018 through September 30, 2018

Asset Detail - Principal Portfolio (continued)

Non-US Securities

Asset Name	Asset Identifier	Shares/ Units Held	Cost Basis	Market Value	Price/ Date Priced	Percentage of Portfolio	Current Yield
Non - US Government Obligation							
ISRAEL ST U S GOVT GTD NTS 0.00000%	465139GL1	2,070,000.0000	1,838,456.18	1,806,923.70	87.2910 09/28/2018	49.92%	0.00%
2/15/2023							
Total Non-US Securities		4,142,000.0000	\$3,679,728.12	\$3,615,510.34		99.88%	0.00%
Total Principal Portfolio		4,146,710.6600	\$3,684,098.86	\$3,619,852.57		100.00%	0.00%
Total Account Values		4,146,710.6600	\$3,684,098.86	\$3,619,852.57		100.00%	0.00%

Transaction Detail

No Transactions for this Period

000
0.0000 *
87.7190 * 3 SECURITY
87.2870 * PRICE
87.2910 +
262.2970 *
262.2970 ÷
3. = 9/30/18
87.4323 * MARKET PRICE

3,684,098.86
3,619,852.57 +
64,246.29
unrealized loss



MEMORANDUM

TO: SLDMWA O&M Technical Committee

FROM: Paul Stearns, O&M Manager, SLDMWA

DATE: October 11, 2018

RE: O&M Cost and Budgeting Consideration for the Delta-Mendota Canal (DMC)
Tile Drain Sumps and Drainage Management

BACKGROUND

In 1953, in the effort to mitigate for drainage issues along the western side of the Lower DMC, a tile drain system was installed by Reclamation along an 11.5-mile stretch from the end of the lined section of the DMC (milepost 98.64) to Washoe Avenue (milepost 110.12). This tile drain system collects the subsurface drainage and carries it to a lateral tile drain system that parallels the DMC. The water was pumped from six collection sumps (A-B, C, D-E, F-G, H-J, K) into the DMC. These sumps were installed under a long-term commitment by Reclamation to mitigate for drainage impacts in the unlined portion of the Delta-Mendota Canal resulting from its construction and operation.

In 1988, the California Regional Water Quality Control Board imposed monitoring requirements on Reclamation's sumps. Since, concerns by U.S Fish & Wildlife Service (USF&WS) over the poor water quality entering the DMC from these tile drains were raised over the years. In 2009, it was the desire of Reclamation and the USF&WS to incorporate these sumps into the Grassland Bypass Project's San Joaquin River Improvement Project to eliminate the discharge from the freshwater deliveries to the managed wetland areas. This desire was incorporated into the 2010-2019 Grassland Bypass Project's San Luis Drain Use Agreement and Biological Opinion. In 2014, Reclamation entered into a license agreement with Panoche Drainage District to install new facilities to redirect the discharge from the six tile drain pumps to SJRIP and to O&M the new facilities, the DMC Sumps, and associated pumps on Reclamation's right-of-way. Reclamation also provided approximately \$500k of funding for the design and construction of the new facilities.

Prior to PDD assuming the responsibility for O&M, the Water Authority performed the work as part of the overall DMC O&M. The license contemplated the Authority, and Panoche entering into a separate agreement(s) for O&M of the facility. Unfortunately, that agreement was not completed. The license provided that PDD assume the O&M responsibility but was silent on who

was responsible for the cost related to the O&M work. However, since 2014 PDD assumed all the cost associated with the O&M of the pumps and motors including the cost to power the pumps and management of the redirected flow. In 2017, PDD informed Reclamation and the Authority that the O&M costs of the tile drain pumps as well as the cost of the drainage management should be more appropriately borne by Reclamation/SLDMWA under the Transfer Agreement. After several meetings with Reclamation, Reclamation informed the Authority in early October that they agree that the O&M costs at issue should now be part of the overall Delta-Mendota Canal O&M costs and should be included as part of the Authority's O&M rates. The Water Authority is awaiting a formal written notification from Reclamation on this requirement.

O&M COST

Prior to 2014, the Water Authority's average costs per year to O&M the tile drain pumps were \$22,000.00.

PDD has provided the Authority the estimated FY19 O&M costs associated with the sump pump and drainage management (see attached). The cost includes the direct costs associated with O&M of the sump pumps/motors and 12% of the costs related to the O&M of the SJRIP. The twelve percent is based on the DMC flows constitutes 12% of the total SJRIP flows.

ISSUE FOR DECISION

Whether to amend the FY19 and include in the FY20 O&M budget to accommodate these unanticipated costs associated for the O&M of the tile drain pumps and drainage management by PDD.

RECOMMENDATION

We recommend following Reclamations decision and include the appropriate related O&M costs and in addition, enter into an agreement with PDD for the O&M for the DMC sump pumps and drainage management of the DMC subsurface drainage flows.

Reclamation's DMC Sump Water Management SLDMWA Fiscal-Year Mar 2018 - Feb 2019

Premise		
1,300	Avg. Metered Sump Discharge (af/yr)	
12%	of SJRIP annual inflow	
\$2,648,724	2018-19 SJRIP Annualized O&M Budget	
\$788,701	2018-19 SJRIP Non-Participant Fee Revenue	
DMC Sump Operation	Budget	Forum
100% Share Operation	\$16,000	PDD
100% Share Maintenance	\$6,500	PDD
Sub-Total:	\$22,500	
SJRIP Discharge Management		
12% Share of 2018-19 SJRIP NPF Revenue	-\$94,644	SJRIP
12% Share of 2018-19 SJRIP Cost	\$317,847	SJRIP
Sub-Total:	\$223,203	
Discharge Management Monitoring and Mitigation		
6% Share of Water Quality Monitoring	\$12,300	GBD
12% Share of Biological Monitoring and Habitat Mitigation	\$1,200	GBD
12% Share of Egg Monitoring	\$13,200	GBD
Sub-Total:	\$26,700	
TOTAL:	\$272,403	2018-19 Fiscal-Year

PDD = Panoche Drainage District

SJRIP = San Joaquin River Improvement Project

GBD = Grassland Basin Drainage



November 5, 2018

To: Finance & Administration Committee Members

From: Frances Mizuno, Interim Executive Director

Subject: Proposed FY2020 and Preliminary FY2021 O&M Budgets

In preparation for our scheduled Finance & Administration Committee (FAC) meeting on November 5, 2018 at 12:00 pm, the proposed FY 2020 budget packet is included for your review.

The O&M Technical Committee on October 22, 2018 reviewed the proposed budget in detail and recommended approval of the FY2019 O&M budget to the Finance and Administration Committee for consideration. This budget includes a 3% salary adjustment placeholder.

The Authority salary policy adopted in 2004 provides for salary adjustments based on salary surveys every three years and the in-between years based on Consumer Price Index (CPI) for Pacific Cities (West with less than 2,500,000 Population). A proposed salary adjustment for FY20 will be based on the CPI. The 3% placeholder in the proposed budget is based on the average of the August and September CPI which is 2.9%. The final proposed budget when presented to the Board at the January, 2019 Board Meeting for adoption will be adjusted to reflect the average CPI from August-November. This process follows the Index used for Annual Salary Adjustments Policy amended by the Board on January 5, 2006.

The proposed budget also includes three new positions (see justifications attached):

- IT Technician, Tracy Field Office
- Custodian, Los Banos (Los Banos Administration Office, Los Banos Field Office, and O'Neill Plant)
- Apprentice Control Operator, Tracy Field Office

The proposed FY20 total O&M Budget is \$21,449,650 compared to the FY19 budget of \$21,863,284, for an overall decrease of 1.89%. Total self-funded portion paid by the water users is \$20,868,873 which is a decrease of 2.21% from the FY19 budget. The RO&M portion of the budget increased by 4.69%. The EO&M portion of the budget decreased by 18.04%. The Capital Improvement Project (CIP) decreased by 7.63%.

Adjusted Routine O&M (RO&M) Budget increase of 4.69% or \$607.7K

Parts, Materials and Services (\$241.6K increase)

- Small Tools decreased \$2.5K.

- Budget was increased for FY19 for the purchase of tools for the DCI Plant. FY 20 budget is only for routine small tool replacements.
- Engineering Consultant increased \$64K.
 - \$40K each for the Jones Pumping Plant and O'Neill Plant for Electrical and Mechanical Engineering Consulting Services (\$80K total) to supplement in-house staff to accommodate for anticipated increase in electrical and mechanical engineering requirements for R, O&M and E, O&M projects.
 - \$16K decrease for USBR Engineering Support required in FY19 for R, O&M inspection costs.
- Auditing increased \$25.8K
 - Two scheduled for FY20; increase for potential outside assistance for audit preparation.
- Other Professional Services increased \$10.3K.
 - Increase for Aquatic Pesticide Permitting for hyacinth and water primrose spraying in the lower DMC.
- Conference & Training Costs increased \$50K.

Many new employees therefore need to provide additional training

- Protective Relay training- \$20K
- Executive Director training- \$2.5K
- ACWA Conference-Director of Finance- \$1.5K
- New Hydro-Tech II training- \$5K
- OSHA 5-year Crane Certification- \$20K
- Travel increased \$18.8K
 - Travel related to increased training.
- Rents/Leases – Vehicles/Construction Equipment decreased \$40K.
 - Anticipate purchase of long-reach excavator but will need funding for partial year rental until delivery of new excavator is received.
 - Decrease due to completion of gravelling of DMC unpaved road project.
- Parts and materials increased overall by \$17K.
 - Increase of \$20K for O'Neill Plant breaker replacement (see special project justification)
- Outside Services for Buildings/grounds/machinery/equipment increased overall by \$30K

- \$20K increase for DCI Switchyard testing services (Transformer and SF-6 yard breaker testing)
- \$15.5K increase for repairs to JPP 80-ton air conditioner or reinstallation of swamp cooling system (options currently being addressed)
- Sand, Backfill & Rock decreased \$15.5K
 - Decrease due to completion of the gravelling of unpaved road project.
- Chemicals increased \$25K
 - Aquatic herbicide for hyacinth and water primrose in the lower DMC.
- Due to the reallocation from 22.39% to 84% of the adjusted Administration Budget to O&M, increases occurred in the following accounts:
 - Office Services & Supplies
 - Mailing Costs
 - Janitorial Supplies & Services
 - Rents/Leases – Office Machinery & Equipment
 - Employee & Group Meetings
 - Rents/Leases – Land & Buildings
 - Telephone Expenses
 - Energy

Insurance Premiums and Fees

- No significant change

Equipment/Capital Asset Purchases

- No significant change

Indirect Charges

- No significant change

Extra-Ordinary O&M (EO&M)

EO&M projects budget decreased by -18.04%, approximately \$590K. The in-house labor/benefits associated with the EO&M Projects decreased by \$65k.

Capital Improvement Projects (CIP)

CIP Project budget decreased by -7.63% (\$430,856). CIP in-house labor decreased by \$373,116.

SAN LUIS & DELTA-MENDOTA WATER AUTHORITY

FY2019 APPROVED, PROPOSED FY2020 & Preliminary FY2021 TOTAL BUDGET SUMMARY

O&M Budget Summary	Approved FY19 Budget	Proposed * FY20 Budget	% Change 19 - 20	Preliminary FY21 Budget	Option 2 % Change 20 - 21
<u>Routine O&M (Water Users)</u>	\$ 12,423,492	\$ 12,972,224	4.42%	\$ 12,894,197	-0.60%
<u>USBR Funded O&M</u> <u>(Service Contract)</u>	\$ 521,811	\$ 580,776	11.30%	\$ 559,291	-3.70%
<u>TOTAL</u>	\$ 12,945,303	\$ 13,553,000	4.69%	\$ 13,453,488	-0.73%
<u>Extraordinary O&M (Water Users)</u>	\$ 3,273,925	\$ 2,683,450	-18.04%	\$ 4,605,800	71.64%
<u>Capital Improvements Projects</u>	\$ 5,644,056	\$ 5,213,200	-7.63%	\$ 5,375,200	3.11%
<u>CALFED Water Efficiency Grant Funds</u> <u>(USBR Reimbursed)/</u>	\$ -	\$ -	0.00%	\$ -	0.00%
<u>Participatory Grants</u>					
<u>TOTAL</u>	\$ 21,863,284	\$ 21,449,650	-1.89%	\$ 23,434,488	9.25%
<u>Total Self Funded Budget</u> <u>(Water Users, BOR Repayment Contract)</u>	\$ 21,341,472	\$ 20,868,873	-2.21%	\$ 22,875,197	9.61%

Routine O&M Budget

Staffing Levels

and

Organization Chart

Summary of Assumptions and Considerations

A. Proposed O&M positions budgeted fully or partially for FY20:

<u>Position</u>	<u>Number in FY20</u>
Accountant II	2
Accountant III	1
Accounting Technician I	3
Accounting Technician II	1
Accounting Technician III	1
Asst. Executive Director	1
Buyer	1
C&I Technician	3
Canal Operator	2
Canal Operator, Relief/Rodent Control	1
Civil/Ag Engineer	1
Civil Engineer, Associate	1
Civil Maintenance Foreman	1
Civil Maintenance Planner	1
Civil Maintenance Superintendent	1
Civil Maintenance Worker	11
Control Operator	4
Control Operator, Apprentice (New)	1
Control Operator, Relief	1
Custodian (1 new)	2
Director of Finance	1
Director of HR & Administration	1
Electrical Engineer, Junior	1
Electric Shop Foreman	1
Electrician	3
Electrician, Apprentice	3
Engineering & Planning Manager	1
Equipment Mechanic	2
Executive Director	1
Executive Secretary	1
General Council	1
General Council, Deputy	1
HR Analyst II	1
HR Coordinator	1
Heavy Equipment Operator	4
Hydro-Electric Maint. Planner	1
Hydro-tech I	3
Hydro-tech II	2
Information Systems/Asset Manager	1
Inventory Control Clerk	1
IT Specialist	1
IT Technician (New)	1
Mechanical Engineer	1
Office Assistant	1

<u>Position (cont.)</u>	<u>Number in FY20</u>
Operations & Maintenance Manager	1
Operations Supervisor	1
Painter	1
Plant Foreman, O'Neill	1
Plant Foreman, Machine Shop	1
Plant Mechanic II	6
Plant Mechanic, Apprentice	2
Project Coordinator	1
Safety Engineer	1
SCADA Engineer	1
Secretary	1
Water Operations Superintendent	1
Water Resources Engineer	1
Weed Control Specialist	1
Work Planning Technician	1
<u>Total Positions</u>	<u>96</u>

(NOTE: The positions of Water Policy Administrator, Science Manager, Accountant III [SJVDA], Senior Civil Engineer, Water Resources Coordinator, and Hydro-tech III are not listed in the total as they are non-O&M positions and budgeted in the Activity Budget)

- B. Routine O&M salaries will vary each year depending on the amount of staff labor dedicated to EO&M and Capital projects.
- C. Costs associated with USBR activities (Tracy Fish Collection Facility & Fish Release sites, Delta Cross Channel, USBR Tracy Admin facilities & Tracy WAPA facilities) are paid directly by the Bureau through a service contract. Current contract period extends to 12/31/2019.

2. Materials

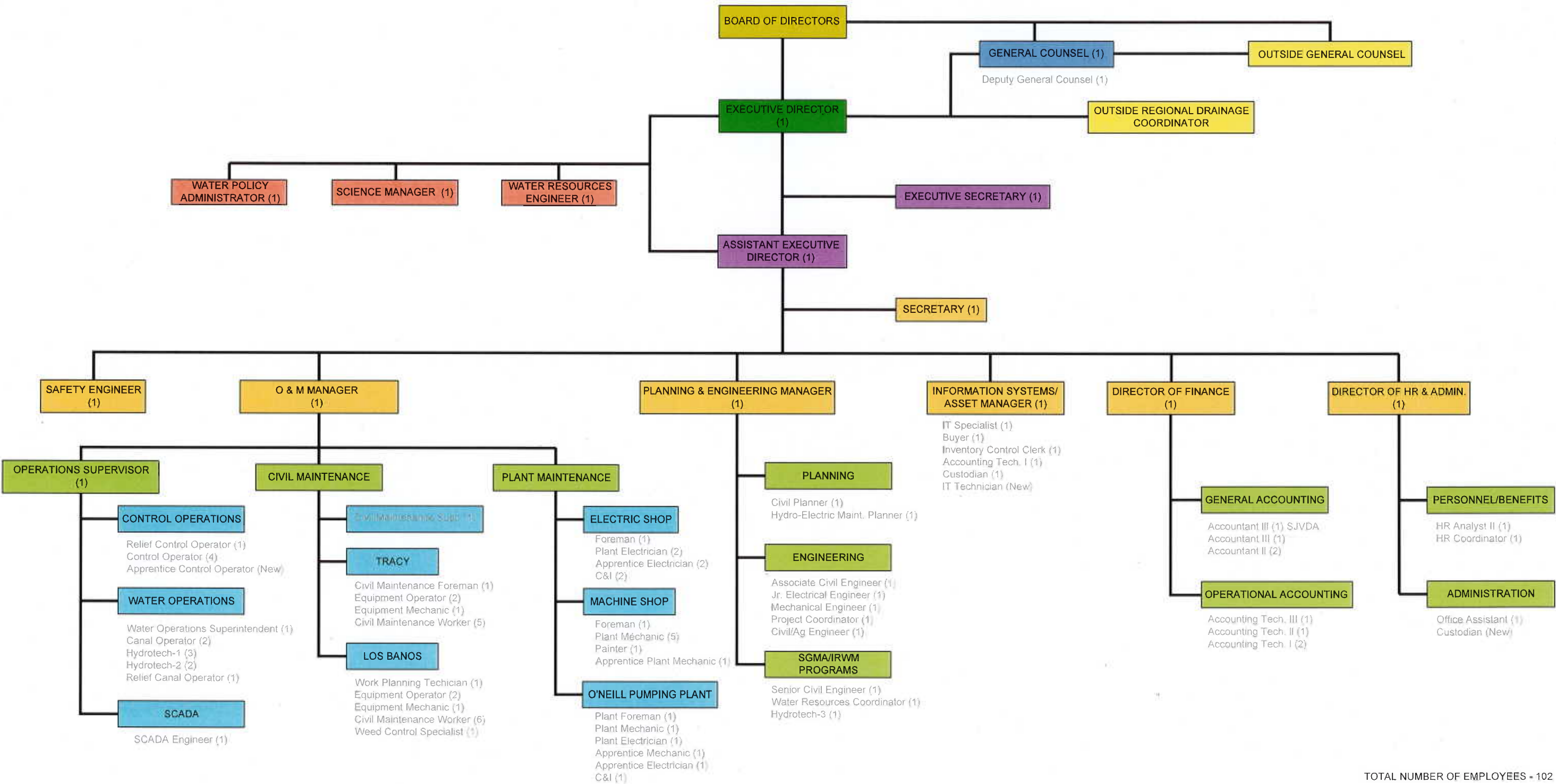
The Authority staff evaluates the materials and services costs annually and adjusts those costs depending on planned projects and pricing trends for given materials and services.

3. Vehicles, Equipment and Computer Acquisition

New equipment purchases in excess of \$2,500 are supported with a Cost Justification Summary.

SAN LUIS & DELTA-MENDOTA WATER AUTHORITY ORGANIZATION CHART

Proposed FY20



TOTAL NUMBER OF EMPLOYEES - 102

SAN LUIS & DELTA-MENDOTA WATER AUTHORITY
CLASSIFICATION/SALARIES
FY 3/1/18 - 2/28/19

2/8/18 BOD APPROVED

Revised 6/21/18

	Other information	(85%) STARTING SALARY	(90%) BASE SALARY	MAXIMUM SALARY	
		0-6 MONTHS	7-36 MONTHS	OVER 36 MONTHS	
Accountant II	20% below Accountant III	57,843.35	61,245.90	\$68,051.00	\$85,064.00
Accountant III		72,304.40	76,557.60	\$85,064.00	
Accounting Technician I	10% below Acct. Technician II	46,852.85	49,608.90	\$55,121.00	\$61,246.00
Accounting Technician II	10% below Acct. Technician III	52,059.10	55,121.40	\$61,246.00	\$68,051.00
Accounting Technician III	20% below Accountant II	57,843.35	61,245.90	\$68,051.00	\$85,064.00
Accounting, Supervisor of General		83,906.90	88,842.60	\$98,714.00	
Accounting, Supervisor of Operational		83,906.90	88,842.60	\$98,714.00	
* Apprentice Control Operator	Special Steps - Refer to Apprentice Worksheets			\$102,798.90	
* Apprentice Electrician	Special Steps - Refer to Apprentice Worksheets			\$92,352.60	
* Apprentice Plant Mechanic	Special Steps - Refer to Apprentice Worksheets			\$92,352.60	
* Apprentice Maintenance Worker	Special Steps - Refer to Apprentice Worksheets			\$55,129.50	
Buyer		50,949.85	53,946.90	\$59,941.00	
C & I Technician		89,517.75	94,783.50	\$105,315.00	
Canal Operator		47,601.70	50,401.80	\$56,002.00	
Canal Operator Relief /Rodent Control Specialist	2% above Canal Operator, then 3% above Relief Operator	50,010.60	52,952.40	\$58,836.00	
Control Operator		97,087.85	102,798.90	\$114,221.00	
Control Operator Relief	2% above Control Operator	N/A**	N/A**	\$116,506.00	\$114,221.00
Custodian		34,653.65	36,692.10	\$40,769.00	
** Director, Executive		At Will	At Will	\$240,000.00	
** Director, Executive Assistant		At Will	At Will	\$234,840.00	
** Director, Finance		At Will	At Will	\$140,000.00	
** Director, HR & Admin		At Will	At Will	\$118,868.00	
Electric, Electric Shop Foreman		98,880.50	104,697.00	\$116,330.00	
Electrician	Same as Plant Mechanic 2, HE	87,221.90	92,352.60	\$102,614.00	
Engineer, Junior		60,868.50	64,449.00	\$71,610.00	
Engineer, Civil - Associate		100,032.25	105,916.50	\$117,685.00	
Engineer, Civil - Senior	10% above Assoc. Civil Engineer	110,035.48	116,508.15	\$129,453.50	\$117,685.00
V Engineer, Civil/Electrical/Mechanical - Assistant		77,840.45	82,419.30	\$91,577.00	
Engineer, Electrical - Associate		100,032.25	105,916.50	\$117,685.00	
Engineer, Mechanical - Associate		100,032.25	105,916.50	\$117,685.00	
Engineer, Safety		100,032.25	105,916.50	\$117,685.00	
** Engineer, Water Resource		At Will	At Will	\$137,212.00	
Equipment Mechanic		52,787.55	55,892.70	\$62,103.00	
Foreman, O'Neill Pumping Plant		98,880.50	104,697.00	\$116,330.00	
** General Counsel		At Will	At Will	\$268,000.00	
** General Counsel, Deputy		At Will	At Will	\$150,000.00	
Heavy Equipment Operator		57,437.05	60,815.70	\$67,573.00	
Human Resources Analyst II		78,627.55	83,252.70	\$92,503.00	
Human Resources Coordinator	20% below Accountant II	57,843.35	61,245.90	\$68,051.00	\$85,064.00
Hydrotech-1	95% of Hydrotech-2	50,169.17	53,120.30	\$59,023.00	\$62,129.00
Hydrotech-2		52,809.65	55,916.10	\$62,129.00	
Hydrotech-3	10% above Hydrotech-2	58,090.62	61,507.71	\$68,341.90	\$62,129.00
Information Technology Specialist		79,538.75	84,217.50	\$93,575.00	
Inventory Control Clerk		45,633.10	48,317.40	\$53,686.00	
Maintenance Foreman		64,298.25	68,080.50	\$75,645.00	
Maintenance Supt., Civil		76,500.00	81,000.00	\$90,000.00	
Maintenance Worker		52,066.75	55,129.50	\$61,255.00	
** Manager, Information Systems Asset		At Will	At Will	\$115,000.00	
** Manager, Maintenance		At Will	At Will	\$140,000.00	
** Manager, Operations & Maintenance		At Will	At Will	\$140,000.00	
** Manager, Planning & Engineering		At Will	At Will	\$140,000.00	
** Manager, Science		At Will	At Will	\$150,000.00	
Office Assistant		38,143.75	40,387.50	\$44,875.00	
Operations Supervisor	10% above Relief Control Operator	108,933.45	115,341.30	\$128,157.00	\$116,506.00
Painter		58,060.95	61,476.30	\$68,307.00	
Planner, Civil Maintenance		58,519.95	61,962.30	\$68,847.00	
Planner, Hydro-Electric Maintenance		78,978.60	83,624.40	\$92,916.00	
Plant Mechanic 2, HE	Same as Electrician	87,221.90	92,352.60	\$102,614.00	
Plant, Machine Shop Foreman		98,880.50	104,697.00	\$116,330.00	
Project Coordinator		63,201.75	66,919.50	\$74,355.00	
SCADA Engineer		98,784.45	104,595.30	\$116,217.00	
Secretary		43,610.95	46,176.30	\$51,307.00	
Secretary, Executive		56,714.55	60,050.70	\$66,723.00	
Water Operations Superintendent		76,500.00	81,000.00	\$90,000.00	
Water Resources Coordinator		63,201.75	66,919.50	\$74,355.00	
Weed Control Specialist	5% above Maintenance Worker	54,670.09	57,885.98	\$64,317.75	\$61,255.00
Work Planning Technician	Same as Accounting Technician I	46,852.85	49,608.90	\$55,121.00	
TOTAL				\$6,570,085.76	

V = Vacant Position

* = See Apprentice Worksheet

** = Salary will be decided by BOD

See previous year for any salaries not on this sheet.

Max salaries in blue from salary survey are used to calculate Probationary & Base Rates

Max salaries in green are dependent on other positions - ref other info column

Routine O&M Budget

FY20 Proposed Budget

Summary &

Line Item Details

COLUMN			A		B		C		C - vs B		COMMENTS - 2020
SLDMWA ANNUAL BUDGET ROUTINE O&M BUDGET FY20 SELF-FUNDED & USBR - FUNDED O&M ONLY SUMMARY (no EO&M & CIP) Proposed Budget			2018		2019		2020				
			Unaudited		APPROVED		PROPOSED				
			ACTUAL		BUDGET		BUDGET				
			FY18	FY19	FY20						
5101	Salaries		\$5,506,309	\$6,387,878	\$6,736,496		5.46%				
5102	Overtime		\$257,919	\$111,759	\$183,724		64.39%				
5103	Salary Adjustments		\$0	\$0	\$0		0.00%				
5104	Vacation Expense		\$423,642	\$426,067	\$451,602		5.99%				
5105	Sick Time		\$287,716	\$219,978	\$235,136		6.89%				
5107	Holiday Pay		\$231,689	\$261,478	\$279,092		6.74%				
5108	Sick Cash Out Expense		\$76,907	\$43,827	\$50,000		14.08%				
5121	Payroll Taxes		\$118,445	\$132,782	\$109,521		-17.52%				
5131	Retirement 401/457 SLDMWA Contr		\$795,839	\$939,573	\$752,272		-19.93%				
5141	Health Insurance - SLDMWA Contr		\$1,694,501	\$1,870,878	\$1,824,091		-2.50%				
5145	Workers Compensation Insurance		\$286,157	\$402,160	\$335,234		-16.64%				
	Subtotal Salaries & Employee Benefits		\$9,679,123	\$10,796,381	\$10,957,168		1.49%				
5210	Office Services & Supplies		\$24,696	\$37,470	\$61,150		63.20%				Reallocation from 22.39% to 84% of adjusted Administration budget to O&M
5211	Mailing Costs		\$1,526	\$2,570	\$5,620		118.72%				Reallocation from 22.39% to 84% of adjusted Administration budget to O&M
5216	Small Tools		\$28,677	\$27,100	\$24,600		-9.23%				Increased in FY19 for purchase of tools for DCI Plant
5221	Clothing, Personal Equip/Laundry Svcs		\$25,795	\$28,900	\$24,900		-13.84%				Increased in FY19 for arc flash clothing requirements
5226	Janitorial Supplies & Services		\$44,758	\$48,187	\$51,550		6.98%				Reallocation from 22.39% to 84% of adjusted Administration budget to O&M
5227	Engineering Consultant		\$0	\$51,000	\$115,000		125.49%				Elec and Mech Engineering services for JPP & OPP R, O&M and E, O&M requirements
5228	Auditing		\$45,713	\$63,000	\$88,800		40.95%				Two audits scheduled for FY20. Increase for potential outside assistance for audit prep
5229	Legal		\$66,344	\$107,440	\$80,000		-25.54%				No longer require the services of Linneman and Associates
5231	Other Professional Services		\$47,494	\$102,500	\$112,800		10.05%				Increase for aquatic pesticide permitting for hyacinth and primrose on lower DMC
5236	Security Services/Systems		\$120	\$0	\$0		0.00%				
5237	Fees & Licenses		\$11,533	\$10,670	\$11,820		10.78%				Increase \$1k to match actual expenditures for Transportation Permits
5241	Other Services & Expenses		\$178,164	\$204,315	\$199,193		-2.51%				
5243	Computer Software		\$12,452	\$19,250	\$18,050		-6.23%				
5245	Contract Labor		\$0	\$0	\$0		0.00%				
5246	Rents/Leases - Ofc. Machinery & Equipment		\$326	\$627	\$2,940		368.96%				Reallocation from 22.39% to 84% of adjusted Administration budget to O&M
5247	Organizational Membership Dues		\$21,905	\$21,850	\$22,350		2.29%				
5251	Professional Organization Dues		\$772	\$800	\$1,030		28.75%				
5256	Conference & Training Costs		\$34,633	\$53,774	\$101,175		88.15%				Protective relay training, 5-year OSHA crane certification training
5261	Travel		\$42,044	\$66,039	\$74,850		13.34%				Related to increased training
5271	Employee & Group Meetings		\$13,167	\$14,191	\$20,340		43.33%				Reallocation from 22.39% to 84% of adjusted Administration budget to O&M
5286	Parts/Materials - Vehicle/Constrct Equip		\$52,795	\$80,034	\$80,000		-0.04%				
5288	Petroleum, Oil & Lubricants		\$174,392	\$229,287	\$226,570		-1.19%				
5291	Outside Services - Vehicle/Constrct Equip		\$66,346	\$58,095	\$58,050		-0.08%				
5296	Rents/Leases - Vehicle/Constrct Equip		\$48,501	\$80,000	\$40,000		-50.00%				Potential purchase of long-reach (partial year). Completed special proj. gravel roads
5301	Parts & Materials - Bldg/Grnds/Mach/Equip		\$330,382	\$354,422	\$371,384		4.79%				O'Neill Plant breaker replacement (special project)
5311	Outside Services - Bldg/Grnds/Mach/Equip		\$128,814	\$210,100	\$240,100		14.28%				DCI switchyard testing services. JPP air-conditioning service or swamp cooler install
5316	Rents/Leases - Land & Buildings		\$74,450	\$71,788	\$108,654		51.35%				Reallocation from 22.39% to 84% of adjusted Administration budget to O&M
5331	Pipe, Metal & Treatments		\$21,049	\$43,000	\$43,000		0.00%				
5341	Sand, Backfill & Rock		\$5,412	\$30,000	\$14,500		-51.67%				Completion of graveling unpaved roads (special project)
5351	Concrete & Paving Material		\$11,783	\$18,000	\$20,000		11.11%				Increase for DMC stair replacements
5361	Chemicals		\$128,214	\$107,400	\$132,400		23.28%				Increase for aquatic herbicide on lower DMC for hyacinth and water primrose
5372	Telephone Expenses		\$50,010	\$64,355	\$84,733		31.67%				Reallocation from 22.39% to 84% of adjusted Administration budget to O&M

COLUMN		A		B		C		C - vs B	COMMENTS - 2020
		2018	2019	2020					
SLDMWA ANNUAL BUDGET ROUTINE O&M BUDGET FY20 SELF-FUNDED & USBR - FUNDED O&M ONLY		Unaudited ACTUAL	APPROVED BUDGET	PROPOSED BUDGET					
		FY18	FY19	FY20					
SUMMARY (no EO&M & CIP) Proposed Budget									
5373	Energy	\$52,419	\$68,378	\$72,620	6.20%	Reallocation from 22.39% to 84% of adjusted Administration budget to O&M			
5374	Radio Communications	\$0	\$0	\$0	0.00%				
5375	Network Communications	\$44,754	\$58,190	\$60,756	4.41%				
5376	Hazardous Waste Disposal	\$10,639	\$19,300	\$22,100	14.51%	Increase to match actual expenditures			
5377	Disposal Expense	\$26,681	\$26,957	\$29,620	9.88%	Increase to match actual expenditures			
	Subtotal Services & Supplies	\$1,826,760	\$2,378,990	\$2,620,655	10.16%				
5401	Insurance Premiums & Fees	\$200,124	\$199,905	\$198,522	-0.69%				
	Subtotal Other Charges	\$200,124	\$199,905	\$198,522	-0.69%				
5521	New/Replacement Equipment & Furniture	\$42,704	\$41,424	\$48,140	16.21%	O'Neill Plant Battery Room air conditioner (See equipment justification)			
5523	Computer Hardware	\$5,739	\$8,400	\$9,800	16.67%	Increase for potential additional positions			
5526	Water Meters	\$2,902	\$18,000	\$18,000	0.00%				
5541	Automotive & Light Trucks	\$0	\$0	\$0	0.00%				
5544	Heavy Equipment	\$0	\$0	\$0	0.00%				
5561	Construction Equipment/Payment	\$0	\$0	\$0	0.00%				
	Subtotal Capital Assets	\$51,345	\$67,824	\$75,940	11.97%				
TOTAL ROUTINE O&M BUDGET		\$11,757,352	\$13,443,099	\$13,852,285	3.04%				
Less:									
	Allocated indirect charged to EO&M Reserve	(243,776)	(314,697)	(299,285)	-4.90%				
	Allocated indirect charged to PAT Grants	\$0	-	-	0.00%				
	Allocated Indirect charged to CIP & Other Funds	(\$20,201)	(183,100)	-	-100.00%				
ADJUSTED ROUTINE O&M BUDGET TOTAL		\$11,493,375	\$12,945,303	\$13,553,000	4.69%				

SAN LUIS & DELTA-MENDOTA WATER AUTHORITY
ADMINISTRATIVE BUDGET/ALLOCATION TO ACTIVITIES
MARCH 1, 2018 - FEBRUARY 28, 2019

ACCOUNT NUMBER	DESCRIPTION	TOTAL	DMC O&M (01)	General Fund (03)	Leg/Ops (05)	Reallo Agreement (06)	Contract Renewal Coordinator (35)	Leg/Ops #3 (09)	Sub Fund of Leg/Ops #3		Northern Delta-Mendota Region (64)	Central Delta-Mendota Region (65)	Exchange Contractor 5 Year Transfer (44)	Long-Term North to South Water Transfers (56)	DHCCP (16)	SJVDA
									Yuba Co. Water Trans (28)	GBD Dr #3A (22)						
	ADMINISTRATIVE EXPENDITURES	100.00%	22.39%	15.00%	52.00%	0.01%	0.15%	0.10%	0.20%	0.50%	1.00%	1.00%	0.25%	0.90%	0.50%	6.00%
	SALARIES & OT															
1 5101	Salaries	\$ 332,775	\$ 74,508	\$ 49,916	\$ 173,043	\$ 33	\$ 499	\$ 333	\$ 666	\$ 1,664	\$ 3,328	\$ 3,328	\$ 832	\$ 2,995	\$ 1,664	\$ 19,966
5102	Overtime	\$ 1,400	\$ 313	\$ 210	\$ 728	\$ 0	\$ 2	\$ 1	\$ 3	\$ 7	\$ 14	\$ 14	\$ 4	\$ 13	\$ 7	\$ 84
5103	Salary Adjustment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5104	Vacation Expense	\$ 22,312	\$ 4,996	\$ 3,346	\$ 11,602	\$ 2	\$ 33	\$ 22	\$ 45	\$ 112	\$ 223	\$ 223	\$ 56	\$ 201	\$ 112	\$ 1,339
5105	Sick Time Used	\$ 9,438	\$ 2,113	\$ 1,417	\$ 4,908	\$ 1	\$ 14	\$ 9	\$ 19	\$ 47	\$ 94	\$ 94	\$ 24	\$ 85	\$ 47	\$ 566
5107	Holiday Time Paid	\$ 11,207	\$ 2,509	\$ 1,682	\$ 5,828	\$ 1	\$ 17	\$ 11	\$ 22	\$ 56	\$ 112	\$ 112	\$ 28	\$ 101	\$ 56	\$ 672
	EMPLOYEE BENEFITS															
1 5121	Payroll Taxes	\$ 5,568	\$ 1,246	\$ 834	\$ 2,894	\$ 1	\$ 8	\$ 6	\$ 11	\$ 28	\$ 56	\$ 56	\$ 14	\$ 50	\$ 28	\$ 334
1 5131	Retirement 401A/B7	\$ 48,847	\$ 10,937	\$ 7,328	\$ 25,400	\$ 5	\$ 73	\$ 49	\$ 98	\$ 244	\$ 488	\$ 488	\$ 122	\$ 440	\$ 244	\$ 2,931
1 5141	Health Insurance	\$ 40,611	\$ 9,093	\$ 6,091	\$ 21,118	\$ 4	\$ 61	\$ 41	\$ 81	\$ 203	\$ 406	\$ 406	\$ 102	\$ 365	\$ 203	\$ 2,437
1 5145	Workman Comp. Insurance	\$ 3,504	\$ 785	\$ 524	\$ 1,822	\$ 0	\$ 5	\$ 4	\$ 7	\$ 18	\$ 35	\$ 35	\$ 9	\$ 32	\$ 18	\$ 210
	SERVICES & SUPPLIES															
5210	Maintenance - Office machines	\$ 11,300	\$ 2,530	\$ 1,694	\$ 5,876	\$ 1	\$ 17	\$ 11	\$ 23	\$ 57	\$ 113	\$ 113	\$ 28	\$ 102	\$ 57	\$ 678
5210	Office Serv & Supplies	\$ 27,700	\$ 6,202	\$ 4,154	\$ 14,404	\$ 3	\$ 42	\$ 28	\$ 55	\$ 139	\$ 277	\$ 277	\$ 69	\$ 249	\$ 139	\$ 1,662
5211	Mailing Costs	\$ 5,000	\$ 1,120	\$ 748	\$ 2,600	\$ 1	\$ 8	\$ 5	\$ 10	\$ 25	\$ 50	\$ 50	\$ 13	\$ 45	\$ 25	\$ 300
5226	Janitorial*	\$ 5,750	\$ 1,287	\$ 860	\$ 2,990	\$ 1	\$ 9	\$ 6	\$ 12	\$ 29	\$ 58	\$ 58	\$ 14	\$ 52	\$ 29	\$ 345
2 5228	Auditing	\$ 70,000	\$ 63,000	\$ 587	\$ 583	\$ 583	\$ 583	\$ 583	\$ 583	\$ 583	\$ 583	\$ 583	\$ 583	\$ 583	\$ 583	\$ -
5231	Other Prof. Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3 5231	Other Prof. Services-Grossmayer	\$ 5,550	\$ -	\$ 457	\$ 463	\$ 463	\$ 463	\$ 463	\$ 463	\$ 463	\$ 463	\$ 463	\$ 463	\$ 463	\$ 463	\$ -
5237	Fees & Licenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5241	Other Serv & Supplies	\$ 4,700	\$ 1,052	\$ 705	\$ 2,444	\$ 0	\$ 7	\$ 5	\$ 9	\$ 24	\$ 47	\$ 47	\$ 12	\$ 42	\$ 24	\$ 282
5243	Computer Software	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	ADMINISTRATION															
5271	EE/Comm Meeting	\$ 8,700	\$ 1,948	\$ 1,304	\$ 4,524	\$ 1	\$ 13	\$ 9	\$ 17	\$ 44	\$ 87	\$ 87	\$ 22	\$ 78	\$ 44	\$ 522
	STAFF RELATED															
5256	Conference & Training Costs	\$ 1,000	\$ 224	\$ 149	\$ 520	\$ 0	\$ 2	\$ 1	\$ 2	\$ 5	\$ 10	\$ 10	\$ 3	\$ 9	\$ 5	\$ 60
5261	Travel	\$ 5,400	\$ 1,209	\$ 809	\$ 2,808	\$ 1	\$ 8	\$ 5	\$ 11	\$ 27	\$ 54	\$ 54	\$ 14	\$ 49	\$ 27	\$ 324
	VEHICLES															
5286	Parts/Material	\$ 150	\$ 34	\$ 22	\$ 78	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1	\$ 2	\$ 2	\$ 0	\$ 1	\$ 1	\$ 9
5288	Petroleum/Oil/Lubricants	\$ 7,080	\$ 1,567	\$ 1,049	\$ 3,640	\$ 1	\$ 11	\$ 7	\$ 14	\$ 35	\$ 70	\$ 70	\$ 18	\$ 63	\$ 35	\$ 420
5291	Outside Services	\$ 200	\$ 45	\$ 30	\$ 104	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1	\$ 2	\$ 2	\$ 1	\$ 2	\$ 1	\$ 12
	BUILDING, MACH & EQUIP															
5301	Parts/Material	\$ 100	\$ 22	\$ 15	\$ 52	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1	\$ 1	\$ 1	\$ 0	\$ 1	\$ 1	\$ 6
5316	Rents/Leases - Buildings*	\$ 44,360	\$ 9,932	\$ 6,653	\$ 23,067	\$ 4	\$ 67	\$ 44	\$ 89	\$ 222	\$ 444	\$ 444	\$ 111	\$ 399	\$ 222	\$ 2,662
5246	Rents/Leases - Office Equip.	\$ 2,800	\$ 627	\$ 420	\$ 1,458	\$ 0	\$ 4	\$ 3	\$ 6	\$ 14	\$ 28	\$ 28	\$ 7	\$ 25	\$ 14	\$ 168
5521	Office Equipment/Furniture	\$ 1,000	\$ 224	\$ 149	\$ 520	\$ 0	\$ 2	\$ 1	\$ 2	\$ 5	\$ 10	\$ 10	\$ 3	\$ 9	\$ 5	\$ 60
	UTILITIES															
5372	Telephone Expense	\$ 14,300	\$ 3,202	\$ 2,144	\$ 7,436	\$ 1	\$ 21	\$ 14	\$ 29	\$ 72	\$ 143	\$ 143	\$ 36	\$ 129	\$ 72	\$ 858
5373	Energy*	\$ 6,600	\$ 1,478	\$ 988	\$ 3,432	\$ 1	\$ 10	\$ 7	\$ 13	\$ 33	\$ 66	\$ 66	\$ 17	\$ 59	\$ 33	\$ 396
5377	Disposal Expense*	\$ 1,150	\$ 257	\$ 172	\$ 598	\$ 0	\$ 2	\$ 1	\$ 2	\$ 6	\$ 12	\$ 12	\$ 3	\$ 10	\$ 6	\$ 69
	OTHER CHARGES															
5375	Network Communications	\$ 850	\$ 190	\$ 127	\$ 442	\$ 0	\$ 1	\$ 1	\$ 2	\$ 4	\$ 9	\$ 9	\$ 2	\$ 8	\$ 4	\$ 51
4 5401	General Liability-Life	\$ 8,180	\$ 1,384	\$ 926	\$ 3,214	\$ 1	\$ 9	\$ 6	\$ 12	\$ 31	\$ 62	\$ 62	\$ 15	\$ 56	\$ 31	\$ 371
		\$ 705,450	\$ 204,034	\$ 95,511	\$ 328,594	\$ 1,109	\$ 1,991	\$ 1,676	\$ 2,306	\$ 4,200	\$ 7,347	\$ 7,347	\$ 2,625	\$ 6,716	\$ 4,200	\$ 37,794
		\$705,450	\$141,034 less auditing													

Note 1: Salaries & Employee Benefits include Executive Director, Executive Secretary, and Interim Exec Director
Note 2: Auditing is split 90% DMC and equally among other activities except SJVDA who will have its own separate audit
*Amount represents 40% of total cost. 60% is charged directly to DMC and 22.39% of remaining 40% is also charged to DMC

Note 3: Other Services-Grossmayer is split equally among all activities except DMC & SJVDA
Note 4: General Liability-Life includes Executive Director and Interim Exec Director

SAN LUIS & DELTA-MENDOTA WATER AUTHORITY
ADMINISTRATIVE BUDGET/FIXED ALLOCATION
MARCH 1, 2019 - FEBRUARY 28, 2020

FY20 Proposed Admin Budget Draft#1 - as of 10.3.18 jm

ACCOUNT NUMBER	DESCRIPTION	TOTAL	Sub Fund of Leg/Ops #3													
			DMC O&M (01)	General Fund (03)	Leg/Ops (05)	Reslo Agreement (06)	Contract Renewal Coordinator (35)	Leg/Ops #3 (09)	Yuba Co. Water Trans (28)	GBD Dr #3A (22)	SGMA Northern Delta-Mendota Region (64)	SGMA Central Delta-Mendota Region (65)	Exchange Contractor 5 Year Transfer (44)	Long-Term North to South Water Transfers (56)	DHCCP (16)	SJVDA
	ADMINISTRATIVE EXPENDITURES	100.00%	84.00%	10.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	6.00%
	SALARIES & OT															
5101	Salaries		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5102	Overtime		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5103	Salary Adjustment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5104	Vacation Expense		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5105	Sick Time Used		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5107	Holiday Time Paid		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	EMPLOYEE BENEFITS															
5121	Payroll Taxes		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5131	Retirement 401/457		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5141	Health Insurance		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5145	Workman Comp. Insurance		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	SERVICES & SUPPLIES															
5210	Maintenance - Office machines	\$ 10,000	\$ 8,400	\$ 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 600
5216	Office Serv & Supplies	\$ 30,000	\$ 25,200	\$ 3,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,800
5211	Mailing Costs	\$ 5,000	\$ 4,200	\$ 500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300
5226	Janitorial*	\$ 15,000	\$ 12,600	\$ 1,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 900
5228	Auditing	\$ 70,000	\$ 58,800	\$ 7,000	\$ 380	\$ 382	\$ 382	\$ 382	\$ 382	\$ 382	\$ 382	\$ 382	\$ 382	\$ 382	\$ 382	
5231	Other Prof. Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5231	Other Prof. Services-Grossmayer	\$ 7,000		\$ 7,000												
5237	Fees & Licenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5241	Other Serv & Supplies	\$ 4,500	\$ 3,780	\$ 450	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 270
5243	Computer Software	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	ADMINISTRATION															
5271	EE/Comm Meeting	\$ 8,500	\$ 7,140	\$ 850	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 510
	STAFF RELATED															
5256	Conference & Training Costs			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5251	Travel			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	VEHICLES															
5286	Parts/Material		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5288	Petroleum/Oil/Lubricants		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5291	Outside Services		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	BUILDING, MACH & EQUIP															
5301	Parts/Material	\$ 100	\$ 84	\$ 10	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6
5316	Rents/Leases - Buildings*	\$ 96,000	\$ 80,640	\$ 9,600	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,760
5246	Rents/Leases - Office Equip.	\$ 3,500	\$ 2,940	\$ 350	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 210
5521	Office Equipment/Furniture	\$ 1,000	\$ 840	\$ 100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 60
	UTILITIES															
5372	Telephone Expense	\$ 14,000	\$ 11,760	\$ 1,400	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 840
5373	Energy*	\$ 18,000	\$ 15,120	\$ 1,800	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,080
5377	Disposal Expense*	\$ 3,000	\$ 2,520	\$ 300	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 180
	OTHER CHARGES															
5375	Network Communications	\$ 900	\$ 756	\$ 90	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 54
5401	General Liability-Life		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		\$ 286,500	\$ 234,780	\$ 34,950	\$ 380	\$ 382	\$ 382	\$ 382	\$ 382	\$ 382	\$ 382	\$ 382	\$ 382	\$ 382	\$ 382	\$ 12,570

Notes: LBAO expenses including auditing and professional services related to financial management
FY20 - removed all salaries and staff related costs

*FY20 - Including 100% of these costs in the Admin budget and allocating 84% to O&M as shown above, FY19 - janitorial, rent, energy and disposal expenses were budgeted in this Admin budget at only 40% of the total cost, and then 22.39% of that 40% to O&M.

Note 1: Auditing is split 84% DMC, 10% General Fund, and remaining is equally split among other activities excluding SJVDA (SJVDA has its own separate audit engagement cost)

Note 2: Other Prof. Services-Grossmayer is allocated entirely to General Membership and reflects the implementation fee for a new budgeting program specific to the Activity Agreements Budget format

Routine O&M Budget

FY20 Special Projects

Equipment Purchase & Position
Justifications

Special Projects FY-20

O'Neill 480 V Molded Case Breaker Replacement (BU53 - 5301 - \$20,000)

Many of the three-phase, 480 volt breakers in the O'Neill Pumping/Generating Plant (OPP) distribution panels are original to the plant and therefore are over 50 years old. Over the years, there has been various changes to the facilities electrical system such as the installation of sensitive electronic equipment which require breakers to react faster to short circuits, or the "Amperage Interrupting Current" (AIC) in the electrical system. These underrated breakers also do not meet the standards set forth by the National Fire Protection Association's (NFPA) 70-E requirement for arc-flash personal protective equipment.

During the Arc Flash Study that was provided for the OPP in 2016 by Pacific Power Engineers (PPE), a recommendation was made to have 46 of the existing 480-volt circuit breakers replaced with properly rated breakers for the AIC required by NFPA 70-E.

Replacing underrated breakers with the recommended breakers will raise the AIC rating of the facility's panels, ensuring that the panels and breakers will be sufficient to safely interrupt short circuit currents, not only protecting equipment, but more importantly, protecting personnel.

EQUIPMENT PURCHASE JUSTIFICATION FORM

FY20

REQUEST DATE: 9/20/18**EXPENSE CODE:** 5521**PRIORITY CODE:** - -**BUDGET UNIT:** 40/52**Type of Purchase**

<input checked="" type="checkbox"/>	New Equipment/Furniture > \$2,500
<input type="checkbox"/>	Replacement Equipment/Furniture
<input type="checkbox"/>	Other:

EQUIPMENT DESCRIPTION:

Compact Electric Man-lift

GENERAL SPECIFICATIONS:

For DCI Plant

(See attached information)

<u>ESTIMATED COST (incl taxes, freight)</u>		<u>Current O&M Cost Information</u>		<u>Cost</u>
Purchase Cost:	\$15,000.00	Current cost of annual repairs:		
Inflation Adjustment (4%/YR)	\$600.00	Annual lease/rental cost:		\$8,700.00
Estimated Cost:	\$15,600.00	Other O&M Cost:		\$
		ANNUAL O&M COST:		\$8,700.00
Rounded up to 100's				
Total Estimated Cost:	\$15,600.00			

CURRENT/PROJECTED COST W/O EQUIPMENT:**PAYBACK****YRS***(Payback is determined by dividing Total Estimated Cost by Annual O&M Cost)***Description of current circumstances that drive this request:** *(include age and condition of existing equipment)*

The ventilation fans, louvers, lighting, and fire detector sensors cannot all be accessed with the current Genie articulating man-lift due to the plant design. The fire/smoke detectors located at the west wall of the plant require monthly preventative maintenance (PM) and use of the Genie does not provide access to all the detectors and draft tubes. In addition, the light fixtures in the plant (each weighing 50-60 lbs) have to be removed in order to access those that are accessible. The ones that the Genie cannot reach, the crew has been using ladders which is unsafe. Therefore, performing the monthly PM is inefficient, cumbersome and unsafe.

Description of how this request would change current circumstances:

Purchasing a dedicated man-lift would allow the equipment to be placed directly below each overhead plant components for safe and efficient access to perform necessary inspection and work

Other options considered during evaluation:

Rental: A man-lift can be rented for routine planned work. The cost for a rental is:

Equipment: \$5,700.00 (12 weeks @ \$475.00/week)

Delivery and Pickup: \$3,000.00 (12 @ \$250.00 ea)

Total Annual Cost: \$8,700.00

Conclusion/Recommendation:

Purchase a dedicated lift for the DCI Plant.

EQUIPMENT PURCHASE JUSTIFICATION FORM

FY20

REQUEST DATE: 9/20/18**EXPENSE CODE:** 5521**PRIORITY CODE:** - -**BUDGET UNIT:** 40/53**Type of Purchase**

- ☐ New Equipment/Furniture > \$2,500
- ☒ Replacement Equipment/Furniture
- ☐ Other:

EQUIPMENT DESCRIPTION:

OPP Battery Room Air Condition Unit

GENERAL SPECIFICATIONS:**(See attached information)**

<u>ESTIMATED COST (incl taxes, freight)</u>		<u>Current O&M Cost Information</u>	<u>Cost</u>
Purchase Cost:	\$5,000.00	Current cost of annual repairs:	
Inflation Adjustment (4%/YR)	\$200.00	Annual lease/rental cost:	
Estimated Cost:	\$5,200.00	Other O&M Cost:	
		ANNUAL O&M COST:	
Rounded up to 100's			
Total Estimated Cost:	\$5,200.00		

CURRENT/PROJECTED COST W/O EQUIPMENT:**PAYBACK****YRS***(Payback is determined by dividing Total Estimated Cost by Annual O&M Cost)***Description of current circumstances that drive this request:** *(include age and condition of existing equipment)*

The current air conditioning unit in the O'Neill Plant battery room is over 25 years old and is no longer serviceable. It uses R-12 refrigerant which is very costly and becoming obsolete.

Description of how this request would change current circumstances:

The O'Neill battery room houses both the Station Service batteries as well as the uninterruptable power supply (UPS) batteries. Temperature in the room can reach high levels due to the heat put out by the batteries when in charging condition. Ambient temperature in the room needs to stay at a constant, cool temperature to assure long battery life.

Other options considered during evaluation:

No other viable options.

Conclusion/Recommendation:

STAFFING JUSTIFICATION FORM

FY 2020

REQUEST DATE: 9/13/18**EXPENSE CODE:** 5101**PRIORITY CODE:** - -**BUDGET UNIT:****Type of Purchase**

- ☐ Materials
- ☐ Services
- ☒ Other: Request for New Positions

PROJECT DESCRIPTION:

New Position: Custodian

GENERAL SPECIFICATIONS:

Custodian for LBAO, LBFO, O'Neill Plant

(See attached information)**ESTIMATED COST**

Salary Cost: \$40,769.00 (Max)

Benefits, etc.: \$12,408.24

Estimated Cost: **\$53,177.24**

CURRENT O&M COST INFORMATION**Annual Cost for current contractor:** \$42,747

:

Description of current circumstances that drive this request:

The current contracted service for the Los Banos Administration, Los Banos Field Office and O'Neill P/G Plant has been used for 20+ years. The quality of the contractor's work has significantly diminished over the years as well as their reliability; the contractor's schedule changes constantly due to other commitments. Discussions with contractor staff have not yielded long-term positive results. Although the contractor has not requested an increase in pay for years, the Authority has now provided the cleaning supplies and paper products since FY19, which was previously the responsibility of the contractor. Authority staff has also explored other contracting options in the Los Banos area with no success. The Authority experience with in-house staff for janitorial service has been positive. Once contracted services were replaced with a full-time Authority employee for the Tracy Field Office and Jones Pumping Plant, a significant increase in cleaning quality as well as reliability, was immediately noticed.

Description of how this request would change current circumstances:

- Complete control of cleaning schedule/locations
- Complete control of special custodial services such as floor polishing, carpet shampooing, prep for plant tours, tec.

Current Custodian Salary:

Step I - \$34,653.00

Step II - \$36,692.00

Step III - \$40,769.00

Annual cost of current contractor: \$42,747.00

STAFFING JUSTIFICATION FORM

FY 2020

REQUEST DATE: 9/21/2018**PRIORITY CODE:** - -**EXPENSE CODE:** 5101**BUDGET UNIT:** 22**Type of Purchase**

- ☐ Materials
- ☐ Services
- ☒ Other: Request for New Position

PROJECT DESCRIPTION:

Information Technology Technician

GENERAL SPECIFICATIONS:**(See attached information)**

Request adding to the Information Technology staff due to the existing workload.

ESTIMATED COST

Salary Cost: \$65,000

Benefits, etc.: \$29,250

Estimated Cost: **\$94,250**

CURRENT O&M COST INFORMATION:
:
:**Description of current circumstances that drive this request:**

The Authority currently has one IT staff position. The IT Specialist is responsible for support and maintenance of: the equipment/communications of the Wide Area Network (WAN) and 5 Local Area Networks (LAN), mobile/IOT devices, security/firewall, backup systems, and software systems/databases. The networks consist of 247 devices, 72 end users, 4 critical software systems, five locations, and an exponential rapid growth of files and data. Additionally, the IT Specialist is responsible for upgrade projects of information system equipment; starting with research through implementation. Technology is ever changing, and each change to an information system requires additional configuration to keep all devices compatible and communicating. As technology expands, each area becomes more technical and specialized. Time for training is integral to meet the technology demands. The current volume and diversity of the workload hinders effective management of the information systems by one person. The Authority has reached a point where the deferred upgrades have affected employee productivity.

Description of how this request would change current circumstances:

The IT Technician can handle the routine and daily responsibilities, respond to users, address network issues, implement management tools, and assist the IT Specialist. The IT Specialist can focus on the critical technical areas of the WAN/LANs, security challenges (cyber/site), governance/policies, and projects. With two IT positions, when emergencies or urgent requests occur, other requests can still be addressed. The Authority is entering a phase of re-evaluating workflow processes. When technology can improve a process, the IT team can assist and support the departments in implementing information systems to achieve their goals. Technology will take the Authority to the next level and keep it a thriving organization, and the appropriate level of staff is required to get there.

STAFFING JUSTIFICATION FORM
FY 2020

REQUEST DATE: 9/20/18
PRIORITY CODE: - -

EXPENSE CODE: 5101
BUDGET UNIT: 40/40

Type of Purchase

<input type="checkbox"/>	Materials
<input type="checkbox"/>	Services
<input checked="" type="checkbox"/>	Other: <u>Request for New Positions</u>

PROJECT DESCRIPTION:

New Positions: Apprentice Control Operator-Step 1

GENERAL SPECIFICATIONS:
(See attached information)

ESTIMATED COST

Salary Cost:	\$61,679.34
Benefits, etc.:	\$17,315.59
Estimated Cost:	\$78,994.93

CURRENT O&M COST INFORMATION

:
:
:

Description of current circumstances that drive this request:

The vacant Control Operator position was transferred to a Hydro Tech III position during FY 2019 to provide immediate support for the SGMA Activity Agreement effort associated with the extensive well monitoring effort. There is currently an impending retirement of one of the current Control Operators with over 20-year experience within the next four to five years.

Description of how this request would change current circumstances:

The Authority has experienced difficulty recruiting for journeyman level Operators but have had excellent experience with hiring entry level employees and providing the apprentice training program to develop well qualified Operators specific to our facilities. Hiring an Apprentice Control Operator in FY 2020 will allow that Apprentice sufficient time to complete the apprenticeship program (three years) and gain the valuable knowledge from the current Control Operations staff in time for the impending retirement.

San Luis & Delta-Mendota Water Authority

Extra-Ordinary Operations and Maintenance Budget

FY2020/2021

SL&DMWA 10 Year Plan (EO&M and USBR RAX Projects)

DRAFT

EO&M #	Project Title	Code	Facility	Priority	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
EXTRAORDINARY MAINTENANCE PROJECTS					Estimated Project Cost (x \$1,000)									
M2015004	Fire Protection System Assessment & Modernization	H4	JPP	B-2-b	82.8									
M2015005	Fire Protection System Assessment & Modernization	H5	ONP	B-2-b	83.9									
M2019006	Fire Protection System Assessment & Modernization	H3	DCI	B-2-b	42.0									
E2020001	Unit Rewind (Rotor & Stator) (Units 1 - 5 Labor Only)	H2	JPP	B-3-b	686.0	711.4	733.0	755.0	777.0					
M2015002	TFO Domestic Water Treatment Plant Replacement	H0	JPP	B-3-c	318.6									
C1997002	O&M Road Maintenance Program	E6	DMC	B-4-b	165.3	158.6	163.0	168.0	173.0	179.0	184.0	189.0	195.0	201.0
V1999001	Heavy Equipment Replacement Program (Reserve Fund)	D2	ALL	B-5-b	927.0	622.2	413.6	477.2	345.2	71.6		202.7	335.3	
V1999002	Vehicle Replacement Program (Reserve Fund)	D1	ALL	B-6-c	161.8	306.7	33.9	107.1	81.3	180.4	43.1	91.4	88.8	19.1
C2011001	Facility Infrastructure Replacement/Rehabilitation Program	D3	ALL	B-7-c	137.0	55.0	214.0	52.0	149.0	92.0	76.0	33.0	114.0	122.0
E2000004	Replace Computer/Network Comm Equip (Reserve Fund)	D0	ALL	C-6-b	79.1	87.6	128.9	109.5	66.3	81.4	70.9	141.4	91.2	41.6
E2015002	Arc Flash Study - OPP	F7	ONP	A-1-b		98.3					114.0			
M2012004	Rehabilitate Penstocks Interior Coating	E4	ONP	B-3-b		714.7	736.1	758.2						
M2015006	Rehabilitate Pump Assemblies Program	E2	ONP	B-3-b		1,293.3	1,332.2	1,372.2	1,413.3					
E1995005	Main Transformer Rehabilitation	G3	ONP	B-3-c		240.6	247.8	255.3	269.9					
C2006001	DMC Conveyance Capacity Test	I1	DMC	C-4-c		130.2								
E2014006	SCADA System Modernization	I2	JPP	C-4-c		187.2	192.8							
E2015001	TFO Arc Flash Study - TFO & LBFO Facilities	E1	JPP	A-1-b			38.4					42.0		
E2019020	Arc Flash Study - DCI		DCI	A-1-b			40.0					44.0		
E2016001	WECC Testing by USBR Denver Office	E3	ONP	B-3-b			70.5					82.0		
M2016001	Purchase Wear Rings for Pumps		JPP	B-3-c			300.1							
E2015003	Arc Flash Study - JPP	F8	JPP	A-1-b				105.0					116.0	
C2015001	Concrete Lining Repair (MP92 to MP97)	F0	DMC	B-3-b				325.0	331.0					
M2015003	Rehabilitate Coating on Pump Casings & Bifurcation		JPP	B-3-c				100.0	102.0	104.0				
C2019004	TFO O&M Complex Pavement Rehabilitation		JPP	B-4-b				250.0						
M2019031	Design & Install Jacking Pump System		ONP	B-5-d				125.0						
E2019030	Plant Security System Improvements		ONP	C-5-d				81.0						
E2009003	Protective Relay/Control Panel/SCADA Modernization	G1	ONP	- -										
E2009003	Protective Relay/Control Panel/SCADA Modernization	G1	ONP	B-2-b					227.0	232.0				
M1994022	ONP Cooling Water System Rehabilitation		ONP	B-2-b					250.0					
C2020001	Canal Modifications due to Subsidence (Labor Only)		DMC	B-3-c					15.0		100.0	100.0		
E2020002	Excitation System & Control Modernization (Labor Only)		JPP	B-3-c					175.0	100.0	100.0	100.0	100.0	100.0
C2017003	Turnout Trashrack Fabrication Contract		DMC	B-4-c					200.0					
M2019010	Install New Pump Bowl Access Openings on Unit 1		ONP	A-1-b						500.0				
E2019028	Station Service Backup Battery System Replacement		ONP	B-2-c						110.0				
C1996012	Intake Channel Embankment Stabilization		DMC	B-3-b						300.0				
C2015004	DMC 5 Yr Subsidence Survey	H1	DMC	B-3-c						83.0				
E2019003	Check Electrical Equipment Rehabilitation		DMC	B-4-c						84.0				
M2019028	Plant Flowmetering System Rehabilitation		JPP	B-4-c						250.0				
M2019037	Plant Water Storage Tank Rehabilitation		ONP	B-4-c						150.0				
M2019045	Stub Shaft Crane Rehabilitation		JPP	B-4-c						40.0				
M2019001	O'Neill PP Bridge Crane Rehabilitation		ONP	B-5-c						113.0				
M2019044	Machine Shop Crane Rehabilitation		JPP	B-5-c						50.0				
M2019049	Trashrack Replacement (SLDMWA FAB & CONTRACT BLST&P		ONP	B-5-c						50.0	51.0			

SL&DMWA 10 Year Plan (EO&M and USBR RAX Projects)														DRAFT
EO&M #	Project Title	Code	Facility	Priority	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
E2020003	Station Service & Dist. Equip. Replacement (Labor Only)		JPP	A-3 - c							200.0		100.0	100.0
M2019022	HVAC System Rehabilitation/Replacement		JPP	B-4 - b							400.0			
E2019012	UPS Battery Charging System Replacement		ONP	B-4 - c							100.0			
C2009003	Wasteway Capacity Restoration		DMC	C-5 - c							75.0		250.0	255.0
E2019024	Station Service Backup Battery System Replacement		JPP	B-2 - c								115.0		
E2009004	UPS Battery Replacement		JPP	B-4 - b								88.0		
E2019002	SCADA & Communication System Improvements		DCI	B-4 - c								88.0		
M2019005	HVAC System Rehabilitation/Replacement		DCI	B-4 - c								75.0		
M2019016	Siphon Breaker Valve Control System Rehabilitation		JPP	B-4 - c								100.0		
C2019005	Penstock/Manifold Interior Coating Rehabilitation		DCI	B-5 - b								150.0		
E2019004	Penstock Cathodic Protection System Replacement		DCI	B-5 - b								88.0		
M2019014	Stoplog Rehabilitation		JPP	B-5 - b								250.0		
M2019009	Flowmetering Improvements		DCI	B-5 - c								100.0		
M2019026	Stoplog Rehabilitation (Lakeside)		ONP	B-5 - c								75.0		
M2017001	OPP Shaft Sleeve Manufacturing	F3	ONP	B-4 - c									102.0	
C2020002	Replace Althea Ave Bridge (Labor Only)		DMC	B-5 - c									25.0	75.0
E2019025	Plant Security System Upgrades		JPP	B-5 - c									75.0	
M2019032	Trashrack Cleaner & Stoplog Crane Rehabilitation		ONP	B-5 - c									200.0	
C2016001	DMC Road Rehabilitation	G2	DMC	B-4 - b										391.0
M2019025	100 Ton Gantry Crane Rehabilitation		JPP	B-4 - c										300.0
M2019043	HVAC System Rehabilitation/Replacement		ONP	B-4 - c										100.0
E2019010	Plant Flowmeter System Rehabilitation		ONP	B-5 - c										244.0
M2019033	Plant Roof Surface Replacement		ONP	B-7 - c										100.0
FY TOTALS (x \$1,000):					\$2,683.5	\$4,605.8	\$4,644.2	\$5,040.5	\$4,575.0	\$2,770.4	\$1,514.0	\$2,154.5	\$1,792.3	\$2,048.7
PROJECTS SEEKING OUTSIDE FUNDING											Estimated Project Cost (x \$1,000)			
E1999001	Unit Rewinds (Rotor & Stator) All Units	F4	JPP	B-3 - a	5,213.2	5,375.2	5,525.0	5,690.0	10,000.0					
C2015003	Canal Modification Due to Subsidence		DMC	B-3 - c					200.0		1,723.0	1,757.0		
E2009005	JPP Excitation Cabinet & Control Panel Refurbishment	F9	JPP	B-3 - c					1,245.2	914.3	939.7	967.9	997.0	1,026.9
E2019005	Station Service SWBD & Breaker Replacement		JPP	B-2 - b							250.0		2,500.0	2,575.0
C2015006	Replace DMC Althea Ave Bridge		DMC	B-4 - c									1,500.0	1,545.0
FY TOTALS (x \$1,000):					\$5,213.2	\$5,375.2	\$5,525.0	\$5,690.0	\$11,445.2	\$914.3	\$2,912.7	\$2,724.9	\$4,997.0	\$5,146.9
\$21,500.9					TOTALS:									
					\$7,896.7	\$9,981.0	\$10,169.2	\$10,730.5	\$16,020.2	\$3,684.7	\$4,426.7	\$4,879.4	\$6,789.3	\$7,195.5
10 Year Plan Grand Total (x\$1,000):														\$81,773.0

San Luis & Delta-Mendota Water Authority

FY 2021 PROJECTS

Project Type: MAINTENANCE

Project #	Fac	Project Title	Acct Code	Type	Priority	Labor	Materials	Equip	Contract	Total
E2015002	ONP	Arc Flash Study - OPP	F7	M	A-1-b	\$48,300	\$0	\$0	\$50,000	\$98,300
E2020001	JPP	Unit Rewind (Rotor & Stator) (Unit 1 Labor Only)	H2	M	B-3-b	\$711,400	\$0	\$0	\$0	\$711,400
M2012004	ONP	Rehabilitate Penstock Interior Coating	E4	M	B-3-b	\$226,100	\$50,300	\$0	\$438,300	\$714,700
M2015006	ONP	Rehabilitate Pump Assemblies - Phase 5	E2	M	B-3-b	\$782,300	\$56,800	\$25,000	\$429,200	\$1,293,300
E1995005	ONP	Main Transformer Rehabilitation - Phase 1	G3	M	B-3-c	\$62,200	\$0	\$0	\$178,400	\$240,600
C1997002	DMC	O&M Road Maintenance Program - Phase 10 of 10	E6	M	B-4-b	\$33,600	\$0	\$0	\$125,000	\$158,600
V1999001	ALL	Heavy Equipment Replacement Program (Reserve Fund)	D2	M	B-5-b	\$0	\$0	\$0	\$622,200	\$622,200
V1999002	ALL	Vehicle Replacement (Reserve Fund)	D1	M	B-6-c	\$0	\$0	\$0	\$306,700	\$306,700
C2011001	ALL	Facility Infrastructure Replacement/Rehabilitation Program	D3	M	B-7-c	\$0	\$0	\$0	\$55,000	\$55,000
C2006001	DMC	DMC Conveyance Capacity Test	I1	M	C-4-c	\$116,700	\$12,000	\$0	\$1,500	\$130,200
E2014006	JPP	SCADA System Modernization - Phase 1	I2	M	C-4-c	\$47,200	\$140,000	\$0	\$0	\$187,200
E2000004	ALL	Replace Computer/Network Communication Equip (Reserve Fund)	D0	M	C-6-b	\$0	\$87,600	\$0	\$0	\$87,600
MAINTENANCE PROJECT TOTALS						\$2,027,800	\$346,700	\$25,000	\$2,206,300	\$4,605,800

Project Type: SPECIAL FUNDED PROJECT

Project #	Fac	Project Title	Acct Code	Type	Priority	Labor	Materials	Equip	Contract	Total
E1999001	JPP	Unit 1 Rewind - Phase 4 (USBR Funds)	F4	RX	B-3-a	\$0	\$2,200	\$9,400	\$5,363,600	\$5,375,200
SPECIAL FUNDED PROJECT TOTALS						\$0	\$2,200	\$9,400	\$5,363,600	\$5,375,200
FY 2021 SUBTOTAL						\$2,027,800	\$348,900	\$34,400	\$7,569,900	\$9,981,000

San Luis & Delta-Mendota Water Authority

FY 2020 PROJECTS

Project Type: MAINTENANCE

Project #	Fac	Project Title	Acct Code	Type	Priority	Labor	Materials	Equip	Contract	Total
M2019006	DCI	Fire Protection System Assessment & Modernization	H3	M	B-2-b	\$7,000	\$0	\$0	\$35,000	\$42,000
M2015004	JPP	Fire Protection System Assessment & Modernization	H4	M	B-2-b	\$7,800	\$0	\$0	\$75,000	\$82,800
M2015005	ONP	Fire Protection System Assessment & Modernization	H5	M	B-2-b	\$8,900	\$0	\$0	\$75,000	\$83,900
E2020001	JPP	Unit Rewind (Rotor & Stator) (Unit 2 Labor Only)	H2	M	B-3-b	\$686,000	\$0	\$0	\$0	\$686,000
M2015002	JPP	Domestic Water Treatment Plant Replacement	H0	M	B-3-c	\$158,600	\$0	\$0	\$160,000	\$318,600
C1997002	DMC	O&M Road Maintenance Program - Phase 9 of 10	E6	M	B-4-b	\$40,300	\$0	\$0	\$125,000	\$165,300
V1999001	ALL	Heavy Equipment Replacement Program (Reserve Fund)	D2	M	B-5-b	\$0	\$0	\$0	\$927,000	\$927,000
V1999002	ALL	Vehicle Replacement (Reserve Fund)	D1	M	B-6-c	\$0	\$0	\$0	\$161,800	\$161,800
C2011001	ALL	Facility Infrastructure Replacement/Rehabilitation Program	D3	M	B-7-c	\$0	\$0	\$0	\$137,000	\$137,000
E2000004	ALL	Replace Computer/Network Communication Equip (Reserve Fund)	D0	M	C-6-b	\$0	\$79,050	\$0	\$0	\$79,050
MAINTENANCE PROJECT TOTALS						\$908,600	\$79,050	\$0	\$1,695,800	\$2,683,450

Project Type: SPECIAL FUNDED PROJECT

Project #	Fac	Project Title	Acct Code	Type	Priority	Labor	Materials	Equip	Contract	Total
E1999001	JPP	Unit 2 Rewind - Phase 3 (USBR Funds)	F4	RX	B-3-a	\$0	\$2,100	\$9,100	\$5,202,000	\$5,213,200
SPECIAL FUNDED PROJECT TOTALS						\$0	\$2,100	\$9,100	\$5,202,000	\$5,213,200
FY 2020 SUBTOTAL						\$908,600	\$81,150	\$9,100	\$6,897,800	\$7,896,650

FY2020

Extraordinary O&M Projects

Information

***San Luis & Delta-Mendota Water Authority
Extraordinary O&M Projects
Project Description and Justification Sheet***

Project No.: M2019006

Project Code: H3-2020

Priority: B-2-b

Facility: DCI

Project Title: Fire Protection System Assessment & Modernization

Estimated Total Cost: \$42,000.00

IN-HOUSE COSTS: Labor: \$7,000.00 Materials: \$0.00 Equipment: \$0.00

CONTRACT COSTS: \$35,000.00

Project Description and Scope:

The SLDMWA will procure engineering services to provide fire and life safety assessments at the Delta-Mendota Canal/California Aqueduct Intertie Pumping Plant (DCI) and support facilities. The consultant will perform a physical walk through the DCI and support facilities to perform a fire protection and life safety gap analysis between existing facility conditions and the provisions of the following applicable codes:

2016 California Building Standards Code (Title 24, California Code of Regulations)

2015 NFPA 12, Standard on Carbon Dioxide Extinguishing Systems

2014 NFPA 70, National Electric Code

2013 NFPA 72, National Fire Alarm Code with amendments

2015 NFPA 101, Life Safety Code

2015 NFPA 850, Recommended Practice for Fire Protection for Electric Generating Plants and High Voltage Direct Current Converter Stations.

The consultant will provide an assessment and based on documented findings will provide recommendations and cost estimate to modernize the facilities inspected to meet the intent of current codes noted above. The assessment will focus on these objectives:

1. Life Safety
2. Property Protection
3. Business Interruption
4. Environmental Impact

Project Purpose and Background:

During Reclamation's ONP RO&M Examination in 2018, they expressed concerns with the ONP fire protection system and recommended a licensed professional fire protection engineer evaluate the existing fire protection system installation and make modifications based on their recommendations. The SLDMWA staff recommends the same evaluation/assessment be performed at the DCI and its support facilities to confirm it is compliant with the intent of the current codes. This assessment is similar to what the Department of Water Resources has recently performed on each of its facilities to ensure a fire similar to the 2012 Thermalito Plant fire does not occur.

Project Status:

FY2020 Project - Awaiting approval/funding

***San Luis & Delta-Mendota Water Authority
Extraordinary O&M Projects
Project Description and Justification Sheet***

Project No.: M2015004

Project Code: H4-2020

Priority: B-2-b

Facility: JPP

Project Title: Fire Protection System Assessment & Modernization

Estimated Total Cost: \$82,800.00

IN-HOUSE COSTS: Labor: \$7,800.00 Materials: \$0.00 Equipment: \$0.00

CONTRACT COSTS: \$75,000.00

Project Description and Scope:

The SLDMWA will procure engineering services to provide fire and life safety assessments at the Jones Pumping Plant (JPP) and support facilities. The consultant will perform a physical walk through the JPP and support facilities to perform a fire protection and life safety gap analysis between existing facility conditions and the provisions of the following applicable codes:

2016 California Building Standards Code (Title 24, California Code of Regulations)

2015 NFPA 12, Standard on Carbon Dioxide Extinguishing Systems

2014 NFPA 70, National Electric Code

2013 NFPA 72, National Fire Alarm Code with amendments

2015 NFPA 101, Life Safety Code

2015 NFPA 850, Recommended Practice for Fire Protection for Electric Generating Plants and High Voltage Direct Current Converter Stations.

The consultant will provide an assessment and based on documented findings will provide recommendations and cost estimate to modernize the facilities inspected to meet the intent of current codes noted above. The assessment will focus on these objectives:

1. Life Safety
2. Property Protection
3. Business Interruption
4. Environmental Impact

Project Purpose and Background:

During Reclamation's ONP RO&M Examination in 2018, they expressed concerns with the ONP fire protection system and recommended a licensed professional fire protection engineer evaluate the existing fire protection system installation and make modifications based on their recommendations. The SLDMWA staff recommends the same evaluation/assessment be performed at the JPP and its support facilities to confirm it is compliant with the intent of the current codes. This assessment is similar to what the Department of Water Resources has recently performed on each of its facilities to ensure a fire similar to the 2012 Thermalito Plant fire does not occur.

Project Status:

FY2020 Project - Awaiting approval/funding

***San Luis & Delta-Mendota Water Authority
Extraordinary O&M Projects
Project Description and Justification Sheet***

Project No.: M2015005

Project Code: H5-2020

Priority: B-2-b

Facility: ONP

Project Title: Fire Protection System Assessment & Modernization

Estimated Total Cost: \$83,900.00

IN-HOUSE COSTS: Labor: \$8,900.00 Materials: \$0.00 Equipment: \$0.00

CONTRACT COSTS: \$75,000.00

Project Description and Scope:

The SLDMWA will procure engineering services to provide fire and life safety assessments at the O'Neill Pumping/Generating Plant (ONP) and support facilities. The consultant will perform a physical walk through the ONP and support facilities to perform a fire protection and life safety gap analysis between existing facility conditions and the provisions of the following applicable codes:

2016 California Building Standards Code (Title 24, California Code of Regulations)

2015 NFPA 12, Standard on Carbon Dioxide Extinguishing Systems

2014 NFPA 70, National Electric Code

2013 NFPA 72, National Fire Alarm Code with amendments

2015 NFPA 101, Life Safety Code

2015 NFPA 850, Recommended Practice for Fire Protection for Electric Generating Plants and High Voltage Direct Current Converter Stations.

The consultant will provide an assessment and based on documented findings will provide recommendations and cost estimate to modernize the facilities inspected to meet the intent of current codes noted above. The assessment will focus on these objectives:

1. Life Safety
2. Property Protection
3. Business Interruption
4. Environmental Impact

Project Purpose and Background:

During the 2018 ONP RO&M Exam, Reclamation expressed concerns with the existing fire protection system. As a result, a category 2 recommendation was issued. Recommendation No. 2018-2-C states the following: "Obtain services of licensed professional fire protection engineer, or approved equivalent, to review and approve the on-going fire protection system installation and modify installation accordingly to his/her recommendations" In addition, the SLDMWA staff recommends the assessment include an evaluation of the plant and its support facilities to confirm it is compliant with the intent of the current codes. This assessment is similar to what the Department of Water Resources has recently performed on each of its facilities to ensure a fire similar to the 2012 Thermalito Plant fire does not occur.

Project Status:

FY2020 Project - Awaiting approval/funding

***San Luis & Delta-Mendota Water Authority
Extraordinary O&M Projects
Project Description and Justification Sheet***

Project No.: E2020001

Project Code: H2-2020

Priority: B-3-b

Facility: JPP

Project Title: Unit Rewind (Rotor & Stator) (Unit 2 Labor Only)

Estimated Total Cost: \$686,000.00

IN-HOUSE COSTS: Labor: \$686,000.00 Materials: \$0.00 Equipment: \$0.00

CONTRACT COSTS: \$0.00

Project Description and Scope:

The SLDMWA labor required to support this project is associated with the following activities: project management, unit disassembly, shaft centerline verification, 100T gantry crane support for contractor, unit assembly, shaft alignment and performance testing.

Project Purpose and Background:

Since SLDMWA will be financing the project, to reduce the overall loan amount, the labor SLDMWA labor cost is separated from all other costs.

Project Status:

FY2020 Project - Awaiting approval/funding

***San Luis & Delta-Mendota Water Authority
Extraordinary O&M Projects
Project Description and Justification Sheet***

Project No.: M2015002

Project Code: H0-2020

Priority: B-3-c

Facility: JPP

Project Title: Domestic Water Treatment Plant Replacement

Estimated Total Cost: \$318,600.00

IN-HOUSE COSTS: Labor: \$158,600.00 Materials: \$0.00 Equipment: \$0.00

CONTRACT COSTS: \$160,000.00

Project Description and Scope:

The SLDMWA will procure the design and replacement of the existing 20+ year old package water treatment plant. The new plant will include (2), independent, skid-mounted, 10 gpm ultra-filtration membrane water treatment units that are compliant with the current Department of Health Services (DHS) small system surface water treatment regulations.

NOTE: During the project design process, the cost of rehabilitating the existing building will be evaluated against the design and installation of a new building.

Project Purpose and Background:

The current water treatment system that services the Jones Pumping Plant and Switchyard O&M facilities (JPP) was designed and installed by Reclamation in 1996. The 20 gpm ultrafiltration water treatment plant (WTP) provides domestic (drinking) water to the 120+ employees (SLDMWA, USBR & WAPA) that work at the JPP. The WTP has been experiencing significant maintenance issues associated with its pumps and membrane filters. NOTE: The original DHS approved membranes are no longer manufactured and the approved replacement membranes have lower production rates than the originals and their life span is approximately 1 year compared to the 5-year life of the originals. The current replacement cost for the membranes is \$13,500. Given the age of the WTP, the life span and excessive replacement cost of the membranes, the increase maintenance requirements to keep the system producing drinking water that compliant with the DHS standards, replacement of the WTP is necessary.

Project Status:

FY2020 Project - Awaiting approval/funding

San Luis & Delta-Mendota Water Authority
Extraordinary O&M Projects
Project Description and Justification Sheet

Project No.: C1997002

Project Code: E6-2020

Priority: B-4-b

Facility: DMC

Project Title: O&M Road Maintenance Program - Phase 9 of 10

Estimated Total Cost: \$165,300.00

IN-HOUSE COSTS: Labor: \$40,300.00 Materials: \$0.00 Equipment: \$0.00

CONTRACT COSTS: \$125,000.00

Project Description and Scope:

This phase will install 12.00 miles of a chipseal coat to the 12' wide O&M Road between MP 39.21 and 51.21.

Project Purpose and Background:

The entire length of the O&M road of the Delta-Mendota Canal is traveled daily by operations and maintenance personnel and, in some areas the general public. To extend the life of the O&M road and reduce overall maintenance and/or repair costs, the O&M Technical Committee approved the O&M Road Repair and Maintenance Program in 1998. The Program was organized in three categories: 1. Repair; 2. Rehabilitation, and 3. Maintenance. The O&M Road Repair category work began in 1998 and was completed in 2000. The O&M Road Rehabilitation category work began in 2001 and was completed in 2007. The O&M Road Maintenance Program began in the Summer of 2009 (FY2010). The objective of the O&M Road Maintenance Program is to apply a wearing surface (or chipseal) on approximately one tenth of the DMC roadway annually. The actual lengths and locations will be determined annually based on roadway use and condition.

Project Status:

FY2020 Project - Awaiting approval/funding

***San Luis & Delta-Mendota Water Authority
Extraordinary O&M Projects
Project Description and Justification Sheet***

Project No.: E1999001

Project Code: F4-2020

Priority: B-3-a

Facility: JPP

Project Title: Unit 2 Rewind - Phase 3 (USBR Funds)

Estimated Total Cost: \$5,213,200.00

IN-HOUSE COSTS: Labor: \$0.00

Materials: \$2,100.00

Equipment: \$9,100.00

CONTRACT COSTS: \$5,202,000.00

Project Description and Scope:

This project involves the refurbishment of JPP Unit 2 per the design prepared in the design phase of this project.

The scope of this project is to manufacture new stator coils, rewind the stator, manufacture new stator laminations and vents, stack the cores and reinsulate the rotor coils. Also, the high-voltage cable from pump motor neutral to the neutral grounding reactor needs to be replaced. Performance testing requirements for each phase of the work are listed in the contract specifications.

IMPORTANT NOTE: Staff recommends the remaining 5 units be completed under one multi-year contract. This will allow one design to be used for the 5 remaining units. This will ultimately reduce the overall cost of the project. Construction costs will be less due to less design & mobilization cost, less spare parts are required and improved construction efficiency due to repetition. O&M costs are reduced because the 5 units will be identical and crews will only need to learn one set of drawings for the 5 units. Also, less spare parts will need to be stored and maintained.

Project Purpose and Background:

The six (6) motor stators at the Jones Pumping Plant (JPP) were refurbished between 1977 and 1984. The typical service life of a unit stator winding is 25 years. In 2015, the age of the existing unit stator windings was between 31 and 38 years old. A condition assessment for all six (6) JPP units was completed in September 2015. The final report concluded that all 6 units are nearing the end of their service life. The recommended refurbishment priority order is Unit 6, 2, 1, 4, 3 & 5.

IMPORTANT NOTE: From June 1998 thru June 2012, the average starts per year per unit was 15. Over the past few years, the JPP pumping restrictions associated with the drought, has forced the units to be cycled (started & shut down) more often than normal. For instance, during July & August 2015, the units were cycled on a daily basis. From June 2013 to June 2015 the average starts per year increased to 21. This poses additional concerns about the reliability of these motors because the additional starts on these aged windings places much greater stress on the windings than does normal running due to higher currents. The SLDMWA rotates the unit starts to minimize the number of starts per unit.

NOTE: The impact of this project if not accomplished is that the Jones Pumping Plant (JPP) unit reliability is decreased and has the potential to cause a unit failure.

Project Status:

FY2020 Project - Awaiting approval/funding

Sunday, October 21, 2018

Equip #	Equipment	Category	RESP OFC	YEAR	ARB Regulate	Authority Service Life	Forecasted Replacement Year	EQUIPMENT REPLACEMENT COST(FY19\$)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
2642	Dozer (w/rippers)	1	LBFO	1976	√	40	2020	\$300,000										
697	200 kW Emergency Generator - Trailer Mounted	1	TFO	1999	√	40	2020	\$130,000	\$ 130,000									
NEW	Long Reach Excavator	1	LBFO		√	20	2020	\$350,000	\$ 350,000									
2612	Grader (John Deere)	1	LBFO	1993	√	30	2020	\$345,000	\$ 345,000									
NEW	Bobcat	1	LBFO		√	20	2040	\$75,000	\$ 75,000									
8045	Genie Man Lift (Electric)	1	TFO	1998		20	2021	\$55,000		\$ 55,000								
664	Forklift (4K lb Capacity) JPP (LPG)	1	ONP	1989	√	30	2021	\$35,000		\$ 35,000								
2613	Grader (John Deere)	1	TFO	1993	√	20	2021	\$345,000	\$ 345,000									
2659	Case MX 150 Tractor	1	TFO	1999	√	20	2021	\$151,500	\$ 151,500									
2630	Dump Truck	1	LBFO	2000	√	20	2022	\$178,500			\$ 178,500							
P-799	10" Pump	1	LBFO	1966	√	40	2022	\$60,000			\$ 60,000							
2633	Spray Truck (2.5 Ton)	1	LBFO	2000	√	20	2022	\$140,000			\$ 140,000							
666	Forklift (4K lb Capacity) Pigeon Roost (LPG)	1	ONP	1989	√	30	2022	\$29,000				\$ 29,000						
662	Forklift (5K lb Capacity) ONP SHOP (DSL)	1	ONP	1988	√	30	2023	\$35,000				\$ 35,000						
8001	20-Ton P&H Omega RT Crane	1	LBFO	1988	√	30	2023	\$300,000				\$ 300,000						
8057	JLG Man Lift	1	TFO	2008		20	2023	\$60,000				\$ 60,000						
2648	Front End Loader	1	LBFO	1993	√	30	2024	\$152,800					\$ 152,800					
8058	Truck/Tractor	1	LBFO	2008	√	15	2024	\$145,000					\$ 145,000					
2627	Bottom Belly Dump Trailer	1	LBFO	1996		30	2025	\$60,000						\$ 60,000				
8050	Lowboy Trailer	1	LBFO	2007		20	2027	\$115,000								\$ 115,000		
8052	Flatbed Tilt Trailer	1	TFO	2007		20	2027	\$45,000								\$ 45,000		
8068	Boom Truck (26 Ton Capacity)	1	TFO	2009	√	20	2028	\$257,000									\$ 257,000	
8082	Dump Truck	1	TFO	2011	√	20	2031	\$178,500										
8078	Flatbed Tilt Trailer	1	LBFO	2011	√	20	2031	\$45,000										
8083	Truck/Tractor	1	ALL	2012	√	20	2032	\$145,000										
8094	Boom Truck	1	LBFO	2012	√	20	2032	\$257,000										
8090	Compact Tracked Loader	1	TFO	2013	√	20	2033	\$70,000										
8099	Water Truck	1	TFO	2013	√	20	2033	\$152,000										
8100	Dump Truck	1	LBFO	2013	√	20	2033	\$178,500										
8112	Backhoe	1	LBFO	2016	√	20	2036	\$128,700										
8113	Backhoe	1	TFO	2016	√	20	2036	\$128,700										
8126	Water Truck	1	LBFO	2017	√	20	2037	\$152,000										
8125	Excavator	1	TFO	2017	√	20	2037	\$320,000										
8065	Forklift (2.5 Ton Capacity) (LPG)	1	TFO	2009	√	30	2039	\$28,500										
8136	Case Magnum 180 Tractor	1	LBFO	2018	√	20	2039	\$151,500										
8072	12' Heavy Duty Disc	1	TFO	2011		30	2041	\$23,000										
8079	Forklift (4000 Lb Capacity) LBFO SHOP (LPG)	1	LBFO	2011	√	30	2041	\$31,500										
8095	Forklift (4K lb Capacity) WH (Electric)	1	TFO	2013	√	30	2043	\$33,000										
8096	Forklift (7.5 Ton Capacity) TFO YARD (LPG)	1	TFO	2013	√	30	2043	\$89,500										
8097	Forklift (10K lb Capacity) LBFO YARD (LPG)	1	LBFO	2013	√	30	2043	\$62,500										
8109	12' Heavy Duty Disc	1	LBFO	2016		30	2046	\$23,000										
8132	Forklift (4K lb Capacity) JPP (Electric)	1	TFO	2018	√	30	2048	\$38,000										
8133	Forklift (4K lb Capacity) SB&Pnt (LPG)	1	TFO	2018	√	30	2048	\$29,500										
8048	Spray Truck (1 Ton)	1	LBFO	2008		10	2018	\$135,000										
2592	2 Ton Service Truck with 2 Ton Hoist	1	JPP	2000		15	2019	\$70,000										
2617	Lowboy Trailer	1	TFO	1979		20	2019	\$115,000										
Total									\$ 900,000	\$ 586,500	\$ 378,500	\$ 424,000	\$ 297,800	\$ 60,000	\$ -	\$ 160,000	\$ 257,000	\$ -
# of Equipment Replaced									4	4	3	4	2	1	0	2	1	0
3% Inflation Factor per Year									\$ 27,000	\$ 35,718	\$ 35,097	\$ 53,216	\$ 47,432	\$ 11,643	\$ -	\$ 42,683	\$ 78,327	\$ -
Yearly Total									\$ 927,000	\$ 622,200	\$ 413,600	\$ 477,200	\$ 345,200	\$ 71,600	\$ -	\$ 202,700	\$ 335,300	\$ -

√ - Emissions regulated by California Air Resources Board (Off Road has bold font)

- Currently CARB Compliant



NOTE: Equipment cost rounded to the nearest \$100.

Grand Total **\$ 3,394,800**

***San Luis & Delta-Mendota Water Authority
Extraordinary O&M Projects
Project Description and Justification Sheet***

Project No.: V1999001

Project Code: D2-2020

Priority: B-5-b

Facility: ALL

Project Title: Heavy Equipment Replacement Program (Reserve Fund)

Estimated Total Cost: \$927,000.00

IN-HOUSE COSTS: Labor: \$0.00 Materials: \$0.00 Equipment: \$0.00

CONTRACT COSTS: \$927,000.00

Project Description and Scope:

The San Luis & Delta-Mendota Water Authority equipment will be replaced or considered for replacement when the equipment is no longer economical to operate and/or maintain. The purpose of this Reserve Project is to set-aside funding annually for replacement of the Authority critical heavy equipment. The Equipment Replacement Plan will be presented for approval each year.

The heavy equipment proposed for replacement this year is as follows:

200 KW, 480 VAC, 3 Phase Portable Generator
Long Reach Excavator
Motor Grader
Bobcat Skidsteer Loader

Project Purpose and Background:

The San Luis & Delta-Mendota Water Authority Equipment Replacement Plan objective is to provide safe and efficient equipment in a manner which maximizes the equipments utilization for the Authority.

Project Status:

See attached Heavy Equipment Replacement 10 Year Plan.

**SAN LUIS & DELTA-MENDOTA WATER AUTHORITY
EQUIPMENT PURCHASE JUSTIFICATION FORM
FY2020**

LONG REACH EXCAVATOR

ESTIMATE COST: \$350,000

EXISTING EQUIPMENT INFORMATION

VEHICLE NO: NEW	YEAR:	AGE (YRS.):
MAKE:	MODEL:	
DEPARTMENT: Maintenance	MAINTENANCE YARD: LBFO	
CURRENT HOURS:	PROJECTED HOURS WHEN REPLACED:	
MECHANICS RATING OF VEHICLE:	<i>POOR:</i>	<i>FAIR:</i> <i>GOOD:</i>

DESCRIPTION AND JUSTIFICATION

DESCRIPTION OF EQUIPMENT USE WITHIN THE AUTHORITY:

A long reach excavator is used for working on slopes that our regular excavator cannot reach. These include but are not limited to.

- Erosion repair
- Excavation/Digging/Trenching
- Liner repair
- Ditch cleaning
- Back Filling
- Emergency uses to support flooding damage or other natural/man-made problems
- Weed control

This piece of equipment will be used approximately 300 hours per year.

REASON FOR PURCHASE:

The Authority has had to borrow long reach excavators from other districts or renting them to meet the needs. This often results in delays and scheduling issues. Some work has had to be delayed or deferred until funds are available. Over the last few years we have been spending approximately \$40,000 a year for renting a long reach excavator plus we have been borrowing them from other districts. We anticipate the annual work load will increase in the future

We expect that the life span of a long reach excavator to be approximately 20 years, this would result in a rental expense of >\$1,000,000 after adjusting for inflation.

The cost of a new long reach excavator will be approximately \$350,000, the cost of a used long reach (that is compliant with CARB standards) with <2,000 hours of use is approximately \$240,000. Since this piece of equipment is critical to the maintenance of our facilities, the additional cost of purchasing new instead of used is prudent since there is no way to know the actual condition of a used one.

Date Prepared:

**SAN LUIS & DELTA-MENDOTA WATER AUTHORITY
EQUIPMENT PURCHASE JUSTIFICATION FORM
FY2020**

200 KW GENERATOR

ESTIMATE COST: \$130,000

EXISTING EQUIPMENT INFORMATION

VEHICLE NO: 697 (Sold due to CARB regulations)	YEAR:	AGE (YRS.):
MAKE:	MODEL:	
DEPARTMENT: JPP/OPP	MAINTENANCE YARD: TFO	
CURRENT HOURS:	PROJECTED HOURS WHEN REPLACED:	
MECHANICS RATING OF VEHICLE:	POOR:	FAIR: GOOD:

DESCRIPTION AND JUSTIFICATION

DESCRIPTION OF EQUIPMENT USE WITHIN THE AUTHORITY:

A 200 KW, 480 VAC, 3 Phase portable generator will be used as a backup power supply to both the Jones Pumping Plant and the O'Neill Pump/Generating Plant.

- Provide emergency power to plant during outages to support lighting, sump pumps and other critical equipment

REASON FOR PURCHASE:

The Authority used to have a portable generator that had been turned over from the USBR for emergency functions but due to current Air Board regulations we are not allowed to use it any longer and it has been disposed off. We have been using rental generators to support the facilities during outages.

During an incident in 2016 that resulted in a power outage to the JPP, a rental generator was called for but was not delivered until 7 hours later; during this time the butterfly gallery of the plant had flooded which resulted in damage to the butterfly valve air compressors, the butterfly valve high pressure oil pumps, the control valves and the electrical controls for the butterfly valves.

The damage that resulted caused the JPP to lose 2 days of pumping in order to repair the damaged equipment. Had a portable generator been immediately available and connected within a few hours the sump pumps would have been able to prevent the damage that occurred.

This generator will be portable so that it will also be used for OPP outages and emergencies.

Due to the critical nature of maintaining dewatering capability an emergency generator is considered a necessary piece of equipment for the Authority

The above cost is for a new generator and the cost of material for electrical equipment to allow for easy connection to the plants. At the time of purchase we will consider buying a used generator with low hours.

Date Prepared:

**SAN LUIS & DELTA-MENDOTA WATER AUTHORITY
EQUIPMENT REPLACEMENT JUSTIFICATION FORM
FY2020**

MOTOR GRADER

ESTIMATE COST: \$345,000

EXISTING EQUIPMENT INFORMATION

VEHICLE NO: 2612	YEAR: 1993	AGE (YRS.): 26
MAKE: John Deere	MODEL: 772	
DEPARTMENT: Maintenance	MAINTENANCE YARD: LBFO	
CURRENT HOURS:	PROJECTED HOURS WHEN REPLACED:	
MECHANICS RATING OF VEHICLE:	POOR: X	FAIR: GOOD:

DESCRIPTION AND JUSTIFICATION

DESCRIPTION OF EQUIPMENT USE WITHIN THE AUTHORITY:

The grader is used in work associated with the maintenance and repair of the DMC roads and associated facilities. These include but are not limited to.

- Routine grading of roads
- Repair to roads
- Leveling ground
- Ripping ground
- Laying road base

This piece of equipment is used approximately 600 hours per year.

REASON (S) FOR REPLACEMENT:

This motor grader will be 26 years old at the time of replacement. 2 extremely reliable graders are necessary to ensure the reliability and proper maintenance of the DMC.

This grader is experiencing problems with its transmission and has multiple hydraulic leaks. John Deere will not give us an actual estimate for the repairs since there are too many unknowns that are not detectable until the machine is torn down, they are unofficially telling us that the repairs will be a minimum of \$60,000.

The other grader is scheduled to be replaced in FY21.

Date Prepared:

**SAN LUIS & DELTA-MENDOTA WATER AUTHORITY
EQUIPMENT PURCHASE JUSTIFICATION FORM
FY2020**

COMPACT TRACK LOADER (BOBCAT)

ESTIMATE COST: \$75,000

EXISTING EQUIPMENT INFORMATION

VEHICLE NO: NEW	YEAR:	AGE (YRS.):
MAKE:	MODEL:	
DEPARTMENT: Los Banos Civil Maintenance	MAINTENANCE YARD: LBFO	
CURRENT HOURS:	PROJECTED HOURS WHEN REPLACED:	
MECHANICS RATING OF VEHICLE:	POOR:	FAIR: GOOD:

DESCRIPTION AND JUSTIFICATION

DESCRIPTION OF EQUIPMENT USE WITHIN THE AUTHORITY:

The Bobcat will be used for various jobs in support of the maintenance of the DMC and associated facilities

- Augering post holes
- Cleaning of the wasteways and SL drain
- Annual cleaning of the domestic water settling pond
- Trenching
- DMC road repair
- Pallet handling at remote locations with uneven ground
- Earthwork
- Sweeping of the parking lots
- Picking up large trash items for putting in dump truck

REASON FOR PURCHASE:

The Authority purchased a Bobcat in FY14. It has become an invaluable tool that sees use constantly for various jobs. Its ability to drill post holes has made that task safe and fast compared to using a two man auger, it is used to transport heavy materials on or off pallets in areas a forklift cannot be used to put less strain on the employee, and cleaning of wasteways are only a few examples of where it has become a great tool that increased the safety and efficiency of the Authority.

Our current Bobcat is shared between the two field offices and is in high demand, as such its availability creates scheduling problems for the Civil Maintenance department. Approximately weekly the Bobcat has to be transported to the other yard to support work, this is highly inefficient as it takes crew members away from a different job to return to the yard, pick up a trailer, drive to the other yard, load the Bobcat and return to their yard.

Purchased along with this requested piece will be a sweeper attachment so that we can sweep the asphalt yards and roads on the compounds, this will extend the life of the sealant that has to be applied by a contractor on a regular basis.

Date Prepared:

Veh No.	FRONT LINE VEHICLE DESCRIPTION	2019	Vehicle User	Model Year	Assigned To:	A	B	C	D	E			2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
						Est. MILEAGE ON 3/1/2019	Average Miles Per Year	Calculated Years to Replacement (150K or 15 yrs) ^{1,2}	Calculated FY for Replacement (Mileage or Age)	Est. Mileage at Replacement	Proposed FY for Replacement	Estimated Replacement Cost (FY2019\$)										
					Current Calendar Year (CCY) =	2019	B ÷ (CCY - A)	(150K-B) ÷ C or 15 yrs	Current FY+D or A + 15 yrs	B + (E-Current FY) x C	To be reviewed each year	To be updated each year										
8092	3/4 Ton Pickup w/Utility Body ²		M. Costa	2013	LBFO Canal Operations	171,697	30,176	-1	2018	171,697	2020	\$40,000	\$40,000					\$40,000				
8104	1/2 Ton Pickup		S. Posey	2014	LBFO Canal Operations	171,750	38,598	0	2019	171,750	2020	\$24,000	\$24,000					\$24,000				
8101	Mid Size SUV 4WD		P. Stearns	2014	Operations Manager	137,386	26,403	1	2020	137,386	2020	\$33,000	\$33,000						\$33,000			
8041	1 Ton Pickup w/Utility Body - Diesel		CMT	2007	TFO Civil Maint.	143,592	9,995	1	2020	143,592	2020	\$60,000	\$60,000							\$2,020		
2601	3/4 Ton Pickup		JPP	2001	JPP Machine Shop	72,189	2,919	15	2016	75,108	2021	\$24,000		\$24,000								
2606	3/4 Ton Pickup w/Utility Body		M. Izoco	2002	Oneill PP	58,723	1,997	15	2017	60,720	2021	\$40,000		\$40,000								
8077	1/2 Ton Pickup		J. McNeil	2011	Civil Engineer	146,043	6,941	1	2020	152,984	2021	\$24,000		\$24,000								
8033	3/4 Ton Pickup		J. Miller	2006	JPP Machine Shop	75,330	1,462	15	2021	76,792	2021	\$27,000		\$27,000								
8074	3/4 Ton Pickup w/Utility Body ²		L. Simonich	2011	TFO Canal Operations	142,585	23,473	-3	2016	166,058	2021	\$40,000		\$40,000						\$40,000		
8032	3/4 Ton Pickup		M. Garcia	2006	LBFO Civil Maint.	91,902	5,441	11	2021	97,343	2021	\$27,000		\$27,000								
8034	3/4 Ton Pickup w/Utility Body		ESHOP	2006	TFO Electric Shop	69,319	2,338	15	2021	71,657	2021	\$40,000		\$40,000								
8035	3/4 Ton Pickup w/Utility Body		ESHOP	2006	TFO Civil Maint.	76,566	2,204	15	2021	78,770	2021	\$40,000		\$40,000								
8076	1/2 Ton Pickup		B. Soares	2011	LBFO Civil Maint.	135,960	15,592	1	2020	151,552	2021	\$27,000		\$27,000								
8091	Small SUV		J. Lenhardt	2013	Safety Engineer	67,891	12,563	8	2027	93,017	2022	\$29,000			\$29,000							
8107	3/4 Ton Pickup w/Utility Body ²		G. Dingman	2016	TFO Canal Operations	41,018	9,954	11	2030	60,926	2022	\$40,000			\$2,022					\$40,000		
8102	Mid Sized Sedan		T. Boardman	2014	WR Engineer	89,607	19,048	4	2023	146,751	2023	\$26,500				\$26,500						
8062	1/2 Ton Pickup		J. Amaya	2009	TFO Electric Shop	76,448	3,080	15	2024	85,688	2023	\$24,000				\$2,023						
8073	3/4 Ton 4x4 Pickup		N. Barletta	2011	TFO Civil Maint.	56,193	6,175	15	2026	74,718	2023	\$32,000				\$32,000						
8086	1/2 Ton Pickup		R. Nazabel	2012	TFO Civil Maint.Foreman	74,249	9,544	8	2027	102,881	2023	\$24,000				\$2,023						
8129	1/2 Ton Ext Cab 4X4 ²		P. Nacci	2018	LBFO Canal Operations	26,475	35,300	4	2023	132,375	2023	\$30,500				\$30,500				\$2,023		
8108	Small SUV		B. Martin	2016	Engineering Manager	59,886	24,178	4	2023	132,420	2023	\$30,000				\$2,023					\$2,023	
8122	1/2 Ton Pickup ²		K. Silva	2017	TFO Canal Operations	40,042	23,978	3	2022	135,954	2024	\$24,000					\$2,024				\$2,024	
8127	Toyota Prius ¹		F. Mizuno	2017	Asst Executive Director	21,518	20,348	2	2021	102,910	2024	\$28,000					\$28,000				\$2,024	
8124	1/2 Ton Pickup		J. Oxenrider	2017	Operations Supervisor	36,684	22,577	6	2025	126,992	2024	\$24,000					\$2,024					
8123	1/2 Ton Pickup ²		Rodney Huff	2017	LBFO Canal Operations	42,806	26,820	3	2022	150,086	2024	\$24,000					\$2,024				\$2,024	
8119	1/2 Ton Ext Cab 4X4 ²		Walsh	2017	LBFO Eng. HT3	45,188	27,061	3	2022	153,432	2024	\$36,000					\$36,000				\$2,024	
8069	3/4 Ton Pickup		Equip. Oper	2010	TFO Civil Maint.	80,042	16,274	5	2024	161,412	2025	\$27,000						\$27,000				
8131	1/2 Ton Pickup		C. Lee	2018	Watermaster	13,667	20,500	7	2026	116,167	2025	\$24,000						\$24,000				
8103	3/4 Ton Pickup. 4WD		Robert Huff	2014	LBFO Civil Maint	62,727	12,134	8	2027	123,397	2025	\$32,000						\$32,000				
8120	Mid Sized Sedan		S. Davis	2017	IT	39,022	22,515	5	2024	151,597	2025	\$26,500						\$2,025				
	1/2 Ton Pickup		C. Hacket	2018	LBFO Canal Operations				2019		2025	\$24,000						\$2,025				
8118	1/2 Ton Pickup		A. Singh	2017	Mechanical Engineer	21,063	12,023	11	2030	105,224	2027	\$24,000								\$24,000		
8061	1 Ton Pickup w/Utility Body		JPP	2009	JPP Machine Shop	14,070	1,193	15	2024	22,421	2027	\$46,000								\$2,027		
8081	Small SUV		D. Lakey	2012	SCADA Integrator	43,064	6,686	15	2027	89,866	2027	\$27,000								\$2,027		
8110	3/4 Ton Pickup w/Utility Body		A. Jorge	2016	LBFO Civil Maint	26,945	6,217	15	2031	70,464	2027	\$40,000								\$2,027		
8098	Minivan-Service Van		Y. Suarez	2013	OPP C&I	28,709	5,145	15	2028	69,869	2028	\$26,000									\$26,000	
8105	1 Ton Utility Truck-Diesel		CMLB	2014	LBFO Civil Maint.	55,450	11,782	9	2028	161,488	2029	\$60,000									\$2,029	
8106	1 Ton Utility Truck - Diesel		T. Romero	2014	TFO Civil Maint.	13,870	1,727	15	2029	29,413	2029	\$60,000									\$2,029	
8111	1 Ton Pickup w/Utility Body		R. Bertao	2016	LBFO Civil Maint	12,840	5,272	15	2031	65,560	2030	\$45,000										
8067	Full Size Sedan ¹		LBAO	2010	Executive Director	104,810	11,646	-4	2015	93,164	2019	\$37,000						\$2,019				
8137	3/4 Ton Pickup w/Flat Bed (Spray Truck)		CMLB	2018	LBFO Civil Maint.	10,000	10,000	14	2033	140,000	2033	\$34,000										
8036	1 Ton Pickup w/Utility Body - Diesel		CMT	2006	TFO Civil Maint.	154,404	11,877	-1	2018	142,527	2019	\$55,000										
8049	1 Ton Pickup w/Utility Body - Diesel		CMLB	2008	LBFO Civil Maint.	159,049	14,459	-1	2018	144,590	2019	\$55,000										

Notes:

1. Exec. Director & Asst. Exec. Director vehicles to be replaced every 5 years and reassigned to another Department.

2. TFO & LBFO Canal Operations high mileage vehicles shall be replaced every 5 or 6 years and reassigned to another Department.

3. Vehicle mileage reflects partial year use.

Total	\$ 157,000	\$ 289,000	\$ 31,022	\$ 95,069	\$ 70,072	\$ 151,050	\$ 35,019	\$ 72,101	\$ 68,023	\$ 14,177
# of Vehicles Replaced	4	9	2	6	5	7	2	6	3	7
3% Inflation Factor per Year	\$ 4,710	\$ 17,600	\$ 2,877	\$ 11,932	\$ 11,161	\$ 29,312	\$ 8,050	\$ 19,234	\$ 20,732	\$ 4,876
Total Dollar Amount	\$ 161,800	\$ 306,700	\$ 33,900	\$ 107,100	\$ 81,300	\$ 180,400	\$ 43,100	\$ 91,400	\$ 88,800	\$ 19,100
NOTE: Vehicle replacement costs rounded up to the nearest \$500.									Grand Total	\$ 1,094,500

***San Luis & Delta-Mendota Water Authority
Extraordinary O&M Projects
Project Description and Justification Sheet***

Project No.: V1999002

Project Code: D1-2020

Priority: B-6-c

Facility: ALL

Project Title: Vehicle Replacement (Reserve Fund)

Estimated Total Cost: \$161,800.00

IN-HOUSE COSTS: Labor: \$0.00 Materials: \$0.00 Equipment: \$0.00

CONTRACT COSTS: \$161,800.00

Project Description and Scope:

The San Luis & Delta-Mendota Water Authority vehicles will be replaced or considered for replacement when the criteria for the Authority Vehicle Replacement Policy has been met. The purpose of this Reserve Project is to set-aside funding annually for replacement of the Authority vehicles. The Authority Vehicle Replacement Plan will be presented for approval each year.

The vehicles proposed for replacement this year is as follows:

- 2007 Ford F-350 (Canal Maintenance)
- 2013 Chevy 2500 (Canal Operations)
- 2014 Ford F-150 (Canal Operations)
- 2014 Chevy Traverse (Operations Manager)

Project Purpose and Background:

The San Luis & Delta-Mendota Water Authority Vehicle Replacement Policy objective is to provide safe and efficient operating vehicles in a manner which maximizes the vehicles utilization for the Authority.

Project Status:

See attached Vehicle Replacement 10 Year Plan.

**SAN LUIS & DELTA-MENDOTA WATER AUTHORITY
VEHICLE REPLACEMENT JUSTIFICATION FORM
FY2020**

MID-SIZE SUV

ESTIMATE COST: \$33,000

EXISTING VEHICLE INFORMATION

VEHICLE NO: 8101	YEAR: 2014	AGE (YRS.): 5
MAKE: Chevy	MODEL: Traverse	
DEPARTMENT: Operations Manager	MAINTENANCE YARD: TFO	
CURRENT MILEAGE:	PROJECTED MILEAGE WHEN REPLACED: 140,000	
MECHANICS RATING OF VEHICLE:	POOR:	FAIR: X GOOD:

DESCRIPTION AND JUSTIFICATION

DESCRIPTION OF VEHICLE USE WITHIN THE AUTHORITY:

This vehicle is used by the Operations Manager. The Operations Manager is responsible for supervising operations and maintenance associated with the routine and emergency operations at the JPP, OPP, DMC and other WA Facilities.

The Operations Manager is required to be available for call outs on a 24/7 basis. Therefore a highly reliable vehicle is a necessity of this position.

He also is required to represent the WA at various meetings with other agencies throughout the Central Valley.

REASON (S) FOR REPLACEMENT:

This vehicle will exceed our replacement criteria of 150,000 miles during FY20. It will be reassigned for use a secondary vehicle.

INTENDED USE AFTER REPLACEMENT:

REASSIGNMENT TO: Engineering

SURPLUS:

VEHICLE TO BE SURPLUSED:

VEHICLE NO: 8039	YEAR: 2006	AGE (YRS): 13
MAKE: Ford	MODEL: Fusion	
DEPARTMENT: Engineering	MAINTENANCE YARD: TFO	
CURRENT VEHICLE MILEAGE:		
MECHANICS RATING OF VEHICLE:	POOR: X FAIR:	GOOD:
GENERAL NOTE:		

Date Prepared:

**SAN LUIS & DELTA-MENDOTA WATER AUTHORITY
VEHICLE REPLACEMENT JUSTIFICATION FORM
FY2020**

1/2 TON PICKUP

ESTIMATE COST: \$24,000

EXISTING VEHICLE INFORMATION

VEHICLE NO: 8104 **YEAR:** 2014 **AGE (YRS.):** 5
MAKE: Ford **MODEL:** F150
DEPARTMENT: Canal Operations **MAINTENANCE YARD:** LBFO
CURRENT MILEAGE: **PROJECTED MILEAGE WHEN REPLACED:** 174,000
MECHANICS RATING OF VEHICLE: *POOR:* *FAIR: X* *GOOD:*

DESCRIPTION AND JUSTIFICATION

DESCRIPTION OF VEHICLE USE WITHIN THE AUTHORITY:

This vehicle is used by one of the DMC Canal Operators. The Canal Operator is responsible for the daily operation of the DMC. Duties include:

- Daily inspection of the DMC
- Reading of staff gauges
- Locking and unlocking turnout gates
- Meter readings
- Manual operation of radial gate position

The Canal Operators drive over 30,000 miles per year; therefore a highly reliable vehicle is a necessity of this position.

REASON (S) FOR REPLACEMENT:

WA policy is to replace vehicles at 150,000 miles or 15 years with the exception of canal operation vehicles which are replaced every 5 to 6 years due to the high mileage.

This vehicle will be reassigned to another department as a secondary vehicle.

INTENDED USE AFTER REPLACEMENT:

REASSIGNMENT TO: Electric Shop

SURPLUS:

VEHICLE TO BE SURPLUSED:

VEHICLE NO: 2598 **YEAR:** 2001 **AGE (YRS.):** 18
MAKE: Dodge **MODEL:** 1500
DEPARTMENT: Electric Shop **MAINTENANCE YARD:** TFO
CURRENT VEHICLE MILEAGE:
MECHANICS RATING OF VEHICLE: *POOR: X* *FAIR:* *GOOD:*
GENERAL NOTE:

Date Prepared:

**SAN LUIS & DELTA-MENDOTA WATER AUTHORITY
VEHICLE REPLACEMENT JUSTIFICATION FORM
FY2020**

¾ TON PICKUP WITH UTILITY BODY

ESTIMATE COST: \$40,000

EXISTING VEHICLE INFORMATION

VEHICLE NO: 8092	YEAR: 2013	AGE (YRS.): 6
MAKE: Chevy	MODEL: 2500	
DEPARTMENT: Canal Operations	MAINTENANCE YARD: LBFO	
CURRENT MILEAGE:	PROJECTED MILEAGE WHEN REPLACED:	172,000
MECHANICS RATING OF VEHICLE:	POOR:	FAIR: X GOOD:

DESCRIPTION AND JUSTIFICATION

DESCRIPTION OF VEHICLE USE WITHIN THE AUTHORITY:

This vehicle is assigned to TFO Canal Operations. It is used for routine meter repairs and operations associated with the DMC. These functions include but not limited to:

- Routine servicing meters
- Performing flow testing
- Routine operation of the DMC

REASON (S) FOR REPLACEMENT:

Due to the high use of vehicles by the Canal Operations department, this vehicle is scheduled for replacement every 5 to 6 years or 150,000 miles. This vehicle will exceed 150,000 miles in FY18

This vehicle will be reassigned to another department as a secondary vehicle

**INTENDED USE AFTER
REPLACEMENT:**

REASSIGNMENT TO: Electric Shop

SURPLUS:

VEHICLE TO BE SURPLUSED:

VEHICLE NO: 8070	YEAR: 2018	AGE (YRS): 9
MAKE: Ford	MODEL: F250	
DEPARTMENT: Electric Shop	MAINTENANCE YARD: TFO	
CURRENT VEHICLE MILEAGE:		
MECHANICS RATING OF VEHICLE:	POOR: X FAIR:	GOOD:
GENERAL NOTE:		

Date Prepared:

**SAN LUIS & DELTA-MENDOTA WATER AUTHORITY
VEHICLE REPLACEMENT JUSTIFICATION FORM
FY2020**

1 TON SERVICE TRUCK

ESTIMATE COST: \$60,000

EXISTING VEHICLE INFORMATION

VEHICLE NO: 8041	YEAR: 2007	AGE (YRS.): 12
MAKE: Ford	MODEL: F350	
DEPARTMENT: Canal Maintenance	MAINTENANCE YARD: TFO	
CURRENT MILEAGE:	PROJECTED MILEAGE WHEN REPLACED: 145,000	
MECHANICS RATING OF VEHICLE:	POOR:	FAIR: X GOOD:

DESCRIPTION AND JUSTIFICATION

DESCRIPTION OF VEHICLE USE WITHIN THE AUTHORITY:

This vehicle is used by the Canal Maintenance Department. It is used for routine transportation of personnel and equipment to various work locations along the DMC.

- Routine work along the DMC
- Towing trailers
- Welding
- Facility repair

REASON (S) FOR REPLACEMENT:

WA policy is to replace vehicles at 150,000 miles or 15 years with the exception of canal operation vehicles which are replaced every 5 to 6 years due to the high mileage.

INTENDED USE AFTER REPLACEMENT:

REASSIGNMENT TO:

SURPLUS: XX

VEHICLE TO BE SURPLUSED:

VEHICLE NO:	YEAR:	AGE (YRS):
MAKE:	MODEL:	
DEPARTMENT:	MAINTENANCE YARD:	
CURRENT VEHICLE MILEAGE:		
MECHANICS RATING OF VEHICLE:	POOR:	FAIR: GOOD:
GENERAL NOTE:		

Date Prepared:

San Luis & Delta-Mendota Water Authority
Extraordinary O&M Projects
Project Description and Justification Sheet

Project No.: C2011001

Project Code: D3-2020

Priority: B-7-c

Facility: ALL

Project Title: Facility Infrastructure Replacement/Rehabilitation Program

Estimated Total Cost: \$137,000.00

IN-HOUSE COSTS: Labor: \$0.00

Materials: \$0.00

Equipment: \$0.00

CONTRACT COSTS: \$137,000.00

Project Description and Scope:

The reserve funds set aside for this project will be utilized for planned repairs/rehabilitation and/or improvements to the facilities the SLDMWA has the responsibility to operate and maintain. The typical type of project to be funded will be associated with facility repairs/rehabilitation and/or improvements in the following areas: Roofing Systems, Building Interior/Exterior Components, Building HVAC Systems, Building Electrical & Communication Systems, Building Plumbing Systems, Building Fire Protections Systems, and Building Pavement & Grounds.

Project Purpose and Background:

The San Luis & Delta-Mendota Water Authority is responsible for the operation, maintenance, rehabilitation and replacement of C.W. "Bill" Jones Pumping Plant, O'Neill Pumping/Generating Plant and all their supporting O&M facilities. The majority of the facilities were constructed in the 1950's and 1960's and the existing buildings on the Tracy Compound were built in 1996. The purpose of this reserve fund is to fund required repairs/rehabilitation projects as they are needed.

Project Status:

See attached Facility Infrastructure 10 Year Plan.

***San Luis & Delta-Mendota Water Authority
Extraordinary O&M Projects
Project Description and Justification Sheet***

Project No.: C2011001

Project Code: D3-2021

Priority: B-7-c

Facility: ALL

Project Title: Facility Infrastructure Replacement/Rehabilitation Program

Estimated Total Cost: \$55,000.00

IN-HOUSE COSTS: Labor: \$0.00 Materials: \$0.00 Equipment: \$0.00

CONTRACT COSTS: \$55,000.00

Project Description and Scope:

The reserve funds set aside for this project will be utilized for planned repairs/rehabilitation and/or improvements to the facilities the SLDMWA has the responsibility to operate and maintain. The typical type of project to be funded will be associated with facility repairs/rehabilitation and/or improvements in the following areas: Roofing Systems, Building Interior/Exterior Components, Building HVAC Systems, Building Electrical & Communication Systems, Building Plumbing Systems, Building Fire Protections Systems, and Building Pavement & Grounds.

Project Purpose and Background:

The San Luis & Delta-Mendota Water Authority is responsible for the operation, maintenance, rehabilitation and replacement of C.W. "Bill" Jones Pumping Plant, O'Neill Pumping/Generating Plant and all their supporting O&M facilities. The majority of the facilities were constructed in the 1950's and 1960's and the existing buildings on the Tracy Compound were built in 1996. The purpose of this reserve fund is to fund required repairs/rehabilitation projects as they are needed.

Project Status:

See attached Facility Infrastructure 10 Year Plan.

**San Luis & Delta-Mendota Water Authority
Facility Infrastructure 10 Year Plan**

	How Often (Yrs)	Est. Cost (x1000) in 2014\$	Year Last Performed	Forecasted Years	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Tracy Field Office Facilities					\$ 79	\$ 52	\$ 196	\$ 46	\$ 52	\$ 77	\$ 25	\$ 16	\$ -	\$ 45
Entire O&M Compound					\$ 79	\$ -	\$ -	\$ 46	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 45
Asphalt Pavement Areas					\$ -	\$ -	\$ -	\$ 46	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Seal Coat Surfacing & Striping (incl USBR Lot)	5	41	2017	2022				\$ 46						
Alarm & Security Systems					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fire Alarm System Replacement	30	20	2011	2041										
Security System Replacement	20	25	2012	2032										
Wash Water Recycling System					\$ 79	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Recycling System Replacement	20	75	1996	2016	\$ 79									
Aboveground Fuel Storage System					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 45
Tank Replacement	40	20	1996	2036										\$ 20
Fuel Dispensing System Replacement	15	20	2015	2030										\$ 20
Fuel Management Software Replacement (1995)	15	5	2015	2030										\$ 5
Control Building (67 Years Old)					\$ -	\$ 15	\$ -	\$ -	\$ 15	\$ -	\$ -	\$ 10	\$ -	\$ -
Roofing Systems					\$ -	\$ 15	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Roof Re-seal/Overlay/Replacement	20	15	1998	2018		\$ 15								
Building Interior/Exterior Components					\$ -	\$ -	\$ -	\$ -	\$ 15	\$ -	\$ -	\$ 10	\$ -	\$ -
Interior Maintenance (Painting)	20	10	2007	2027								\$ 10		
Kitchen Remodel	25	15	1980	2005					\$ 15					
Flooring Replacement (Carpet/Tile)	20	15	2007	2027										
Building HVAC					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Heater System Replacement	20	10	2011	2031										
Air Conditioning System Replacement	20	30	2011	2031										
Ventilation System Replacement	20	10	2011	2031										
Warehouse Building (23 Years Old)					\$ -	\$ 17	\$ -	\$ -	\$ 20	\$ 27	\$ -	\$ 6	\$ -	\$ -
Roofing Systems					\$ -	\$ -	\$ -	\$ -	\$ -	\$ 27	\$ -	\$ -	\$ -	\$ -
Roof Repair/Replacement	25	25	1996	2021						\$ 27				
Building Interior/Exterior Components					\$ -	\$ 17	\$ -	\$ -	\$ 20	\$ -	\$ -	\$ 6	\$ -	\$ -
Exterior Maintenance (Painting)	40	15	1996	2036										
Interior Maintenance (Painting)	20	5	2007	2027								\$ 6		
Kitchen Remodel	25	15	1996	2021		\$ 17								
Flooring Replacement (Carpet/Tile)	20	20	2007	2027					\$ 20					
Building HVAC					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Heater System Replacement	20	15	1996	2016										
Air Conditioning System Replacement	20	18	1996	2016										
Ventilation System Replacement	20	10	1996	2016										
Building Fire Protection System					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Component Replacement (Sprinklers & Detectors)	50	10	1996	2046										

**San Luis & Delta-Mendota Water Authority
Facility Infrastructure 10 Year Plan**

	How Often (Yrs)	Est. Cost (x1000) in 2014\$	Year Last Performed	Forecasted Years	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Adminstration/Electric Shop Building (23 Years Old)					\$ -	\$ -	\$ -	\$ -	\$ 17	\$ 25	\$ -	\$ -	\$ -	\$ -
Roofing Systems					\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25	\$ -	\$ -	\$ -	\$ -
Roof Repair/Replacement	25	25	1996	2021						\$ 25				
Building Interior/Exterior Components					\$ -	\$ -	\$ -	\$ -	\$ 17	\$ -	\$ -	\$ -	\$ -	\$ -
Exterior Maintenance (Painting)	40	15	1996	2036										
Interior Maintenance (Painting)	20	10	2013	2033										
Office Partition Replacement	20	25	2013	2033										
Kitchen/Lunch Room Remodel	20	15	1996	2016					\$ 17					
Flooring Replacement (Carpet/Tile)	20	15	2013	2033										
Building HVAC					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Heater System Replacement	20	35	1996	2016										
Air Conditioning System Replacement	20	35	1996	2016										
Ventilation System Replacement	20	20	1996	2016										
Building Fire Protection System					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Component Replacement (Sprinklers & Detectors)	50	10	1996	2046										
Civil/Vehicle Maintenance Building (23 Years Old)					\$ -	\$ 20	\$ -	\$ -	\$ -	\$ 25	\$ -	\$ -	\$ -	\$ -
Roofing Systems					\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25	\$ -	\$ -	\$ -	\$ -
Roof Repair/Replacement	25	25	1996	2021						\$ 25				
Building Interior/Exterior Components					\$ -	\$ 20	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Exterior Maintenance (Painting)	40	15	1996	2036										
Interior Maintenance (Painting)	20	10	2014	2034										
Flooring Replacement (Tile)	25	20	1996	2021		\$ 20								
Building HVAC					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Heater System Replacement	20	10	1996	2016										
Air Conditioning System Replacement	20	10	1996	2016										
Shop Ventilation System Replacement	20	10	1996	2016										
Building Fire Protection System					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Component Replacement (Sprinklers & Detectors)	50	10	1996	2046										
Sandblast and Paint Building (17 Years Old)					\$ -	\$ -	\$ 196	\$ -	\$ -	\$ -	\$ 25	\$ -	\$ -	\$ -
Roofing Systems					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25	\$ -	\$ -	\$ -
Roof Repair/Replacement	25	25	2002	2027							\$ 25			
Building Interior/Exterior Components					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Exterior Maintenance (Painting)	40	15	2002	2042										
Blast Room Air Flow System					\$ -	\$ -	\$ 196	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Filter Replacement	10	15	2012	2022			\$ 21							
Air Compressor Replacement	20	50	2002	2022			\$ 50							
Shop Ventilation System Replacement	20	50	2002	2022			\$ 50							
Media Collection System	20	75	2002	2022			\$ 75							
Building Fire Protection System					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Component Replacement (Sprinklers & Detectors)	30	10	2002	2032										

**San Luis & Delta-Mendota Water Authority
Facility Infrastructure 10 Year Plan**

	How Often (Yrs)	Est. Cost (x1000) in 2014\$	Year Last Performed	Forecasted Years	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Los Banos Field Office & Maintenance Facility					\$ -	\$ -	\$ -	\$ -	\$ 77	\$ -	\$ 37	\$ -	\$ 87	\$ 45
Entire O&M Compound					\$ -	\$ -	\$ -	\$ -	\$ 77	\$ -	\$ -	\$ -	\$ 45	\$ 45
Asphalt Pavement Areas					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Seal Coat Surfacing & Striping (2009)	10	10	2009	2019										
Alarm & Security Systems					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 45	\$ -
Fire Alarm System Replacement (2008)	20	20	2008	2028									\$ 20	
Security System Replacement (2008)	20	25	2008	2028									\$ 25	
Wash Water Recycling System					\$ -	\$ -	\$ -	\$ -	\$ 77	\$ -	\$ -	\$ -	\$ -	\$ -
Recycling System Replacement (2004)	20	75	2004	2024					\$ 77					
Aboveground Fuel Storage System					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 45
Tank Replacement (1993)	40	20	1993	2033										\$ 20
Fuel Dispensing System Replacement	15	20	2015	2030										\$ 20
Fuel Management Software Replacement (1993)	15	5	2015	2030										\$ 5
Office Building (12 Years Old)					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 37	\$ -	\$ 42	\$ -
Roofing Systems					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Roof Repair/Replacement (2008)	25	25	2008	2033										
Building Interior/Exterior Components					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 37	\$ -	\$ -	\$ -
Exterior Maintenance (Painting)	40	30	2008	2048										
Interior Maintenance (Painting) (2008)	20	10	2008	2028							\$ 10			
Office Partition Replacement (2008)	20	15	2008	2028							\$ 17			
Flooring Replacement (Carpet/Tile)(2008)	20	10	2008	2028							\$ 10			
Building HVAC					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 42	\$ -
Heater System Replacement (2008)	20	20	2008	2028									\$ 20	
Air Conditioning System Replacement (2008)	20	20	2008	2028									\$ 22	
Los Banos Administration Office Facility					\$ 54	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10	\$ -	\$ -
Office Building					\$ 54	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10	\$ -	\$ -
Offices					\$ 44	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10	\$ -	\$ -
Interior Maintenance (Painting)	20	15	2000	2020	\$ 17									
Office Partition Replacement	20	10	2008	2028								\$ 10		
Flooring Replacement (Carpet/Tile)	20	25	2000	2020	\$ 27									
Alarm & Security Systems					\$ 10	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Security Alarm System Replacement	20	10	2000	2020	\$ 10									
Building Plumbing System					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Kitchen/Lunchroom Remodel	20	18	1992	2012										
TOTALS (x \$1000)					\$ 133	\$ 52	\$ 196	\$ 46	\$ 129	\$ 77	\$ 62	\$ 26	\$ 87	\$ 91
3% Inflation Factor per Year (x \$1000)					\$ 4	\$ 3	\$ 18	\$ 6	\$ 20	\$ 15	\$ 14	\$ 7	\$ 27	\$ 31
Yearly Total (x \$1000)					\$ 137	\$ 55	\$ 214	\$ 52	\$ 149	\$ 92	\$ 76	\$ 33	\$ 114	\$ 122
10 Year Grand Total														\$ 1,044

***San Luis & Delta-Mendota Water Authority
Extraordinary O&M Projects
Project Description and Justification Sheet***

Project No.: E2000004

Project Code: D0-2020

Priority: C-6-b

Facility: ALL

Project Title: Replace Computer/Network Communication Equip (Reserve Fund)

Estimated Total Cost: \$79,050.00

IN-HOUSE COSTS: Labor: \$0.00 Materials: \$79,050.00 Equipment: \$0.00

CONTRACT COSTS: \$0.00

Project Description and Scope:

The computer/network communication equipment scheduled to be replaced this FY is summarized on the attached 10 year plan.

Project Purpose and Background:

To ensure that our computer equipment is both operational and is of the capacity to operate current versions of application software, the Authority has a proactive plan to upgrade/replace computer communications equipment rather than react to emergency replacement needs and placing business communications at risk. A 10-year plan was developed to estimate future communications & computer equipment replacement needs. Copiers and fax machines are included in this 10 year plan. The planned replacement of these office machines is necessary based on cost and business function. Forecasting this equipment with network systems also provides the ability to explore combining technologies, i.e. copier with network printing, which may reduce maintenance and supply costs. The SCADA network computers, switches and associated components were added to this project starting FY09. The inclusion of this equipment brings all computer network purchases and control into one project with one manager overseeing purchases and ensuring all equipment meets the minimum requirements and is on a schedule for replacements.

Project Status:

Reserve Fund

SAN LUIS & DELTA-MENDOTA WATER AUTHORITY
10-Year Network/Information Systems Equipment Replacement Plan

	No. in Use	Life-span (in years)	No. per Year	Cost EA	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL
Computers & Peripherals															
Computers - workstations	43	5	Note 1	\$1,700	\$5,100	\$5,100	\$52,700	\$5,100	\$5,100	\$5,100	\$5,100	\$52,700	\$5,100	\$5,100	\$146,200
Computers - laptops	23	4/5		\$2,700	\$16,200	\$16,200	\$10,800	\$10,800	\$21,600	\$16,200	\$5,400	\$5,400	\$16,200	\$18,900	\$137,700
Plotter	1	10		\$10,000	\$0	\$0	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000
Monitors	63	7	Note 2	\$350	\$8,750	\$1,050	\$4,550	\$700	\$1,050	\$4,900	\$1,050	\$5,750	\$1,050	\$4,550	\$36,400
Servers	8	5	Note 3		\$15,000	\$10,000	\$43,500	\$0	\$7,500	\$15,000	\$10,000	\$43,500	\$0	\$7,500	\$152,000
Switches	12	5	Note 4		\$0	\$0	\$0	\$15,000	\$0	\$0	\$0	\$0	\$15,000	\$0	\$30,000
Backup System	3	5	Note 5		\$0	\$19,000	\$0	\$0	\$0	\$0	\$19,000	\$0	\$0	\$0	\$38,000
Anti-virus/spam software/image software	125	3	Note 6	\$70	\$0	\$8,750	\$0	\$0	\$8,750	\$0	\$0	\$8,750	\$0	\$0	\$26,250
Firewall	2	5	Note 7		\$0	\$4,000	\$0	\$9,000	\$0	\$0	\$4,000	\$0	\$9,000	\$0	\$26,000
SCADA computer/network equipment															
Computer - workstations	3	5	Note 8	\$2,300	\$0	\$0	\$2,300	\$4,600	\$0	\$0	\$0	\$2,300	\$4,600	\$0	\$13,800
Computer - mission critical workstations	2	5		\$5,500	\$0	\$0	\$0	\$11,000	\$0	\$0	\$0	\$0	\$11,000	\$0	\$22,000
Workstation with Monitors	2	5		\$3,500	\$0	\$7,000	\$0	\$0	\$0	\$0	\$7,000	\$0	\$0	\$0	\$14,000
Servers	2	5		\$5,000	\$0	\$5,000	\$5,000	\$0	\$0	\$0	\$5,000	\$5,000	\$0	\$0	\$20,000
Laptops	1	4		\$2,200	\$0	\$2,200	\$0	\$0	\$0	\$2,200	\$0	\$0	\$0	\$2,200	\$6,600
Switches	3	5		\$750	\$0	\$0	\$0	\$2,250	\$0	\$0	\$0	\$0	\$2,250	\$0	\$6,600
Firewall	1	5		\$800	\$0	\$800	\$0	\$0	\$300	\$0	\$800	\$0	\$0	\$300	\$4,500
Security Monitors (42")	3	4		\$1,000	\$0	\$3,000	\$0	\$0	\$0	\$3,000	\$0	\$0	\$0	\$3,000	\$9,000
Office Equipment															
Copiers	6	4-7	Note 9		\$34,000	\$5,000	\$0	\$6,000	\$22,000	\$0	\$12,000	\$0	\$27,000	\$0	\$106,000
Fax Machines	4	10	Note 10		\$0	\$500	\$0	\$0	\$0	\$0	\$1,500	\$0	\$0	\$0	\$2,000
Phone System	4	15	Note 11		\$0	\$0	\$0	\$45,000	\$0	\$0	\$0	\$15,000	\$0	\$0	\$60,000
Other Equipment															
Fuel System	1	10			\$0	\$0	\$0	\$0	\$0	\$35,000	\$0	\$0	\$0	\$0	\$35,000
				TOTAL	\$79,050	\$87,600	\$128,850	\$109,450	\$66,300	\$81,400	\$70,850	\$141,400	\$91,200	\$41,550	\$697,650
				Annual Cost											\$89,765
<p>Note 1: The replacement of 3 PCs per year is predicated on a PC life span of 5 years. Every fifth year, 31 computers will require replacement.</p> <p>Note 2: The cost of \$1,700 per PC includes software for the workstation (e.g. MS Windows 10 & MS Office).</p> <p>Note 3: Replace flat panel monitors as needed.</p> <p>Note 3: Replace Oracle WAM servers (2) in 2020. Replace storage server in 2021. Replace mail, file, & sql servers in 2022.</p> <p>The amounts include the operating system software and client access licenses.</p> <p>Note 4: All switches will be replaced at the same time.</p> <p>Note 5: Replace backup systems at LBAO, Tracy and Sacramento; Includes hardware, software, external drives, and technical support.</p> <p>Note 6: Support & upgrades are purchased every three years due to the cost savings but not for longer due to the changes in technology.</p> <p>Note 7: Purchase 2-year support/update contract in 2021 and replace hardware with 3-year software support/updates in 2023.</p> <p>Note 8: This section consists of a servers, switches, PCs, monitors & laptops with varying life cycles for the SCADA network.</p> <p>Note 9: Replace the LBAO copiers (one color and one black/white) and TAO copier (color) in 2020. Replace Warehouse copier in 2021.</p> <p>Note 10: Replace the TAO fax in 2021.</p> <p>Note 11: Replace the Tracy phone system in 2023.</p>															

San Luis & Delta-Mendota Water Authority
Notes to Support the Preliminary WY19 O&M Rates to FAC 11.5.18

1 O&M Budget - Self Funded

WY19 - Fiscal Year 3/1/19-2/28/20

RO&M = \$12,972,224

1 EO&M = \$2,683,450

2 EO&M Rewind = \$5,213,200

2 Delivery Assumptions - Used WY18 Delivery Assumptions

Ag - Contractor 35%, with Contractor projections

M&I - Contractor Estimates, 75%, with Contractor projections

Refuge - 100% used BOR Refuge Estimate

Exchange/Water Rights - 100%

Estimated Rescheduled Water

Pump-Ins

Miscellaneous Transfers

Mendota Pool Pumpers

Volta Well Pumping

3 Intertie - Used WY18 Delivery Assumptions

Intertie estimated at 138,000 a/f per SLDMWA

Final cost allocation for Intertie O&M, Intertie PUE and DWR Conveyance remains undetermined.

4 Volta Wells - Used WY18 Delivery Assumptions

Volta Wells Program estimated at 5,000 a/f per GWD. Costs split between DPWD and SLWD

5 PUE SLDMWA Meters

Not included

6 DWR San Luis Joint Use

Not included

7 EO&M Funding

Funding Obligation:

1 EO&M Funding Obligation WY19 FY3/1/19 - 2/28/20 = Assume Budget = \$2,683,450

2 EO&M Rewind WY19 FY3/1/19 - 2/28/20 Funding Obligation = \$500,000, Project Budget = \$5,213,200

8 Overall Estimated Decrease in Est. Recoverable Costs over Prior Year.

Total Estimated Recoverable Costs in Water Year 2019= \$ 16,155,674

Total Estimated Recoverable Costs in Water Year 2018= \$ (16,183,492)

Decrease \$ (27,818)

Excludes: PUE, SLJU, Intertie DWR Conveyance & Rewind Project



San Luis & Delta-Mendota Water Authority **Preliminary SLDMWA O&M Only - WY19 O&M Rates**

(Excludes PUE, SLJU, Intertie DWR Conveyance & Rewind Project)

FAC 11.5.18

	<u>WY 2019 Rate</u> 3/1/19-2/28/20 <u>Preliminary</u> WY2019	<u>WY 2018 Rate</u> 3/1/18-2/28/19 <u>Current</u> WY2018	Variance
WATER SUPPLY			
Irrigation	35%	35%	0%
M&I	75%	75%	0%
Refuge	100%	100%	0%
Exchange/Water Rights	100%	100%	0%
RATES			
Upper DMC	\$6.05	\$6.20	(\$0.15)
Upper DMC - Exchange/Wtr Rts	\$5.74	\$5.91	(\$0.17)
Lower DMC/Pool	\$8.89	\$8.81	\$0.08
Lower DMC/Pool - Exchange/Wtr Rts	\$8.58	\$8.52	\$0.06
San Felipe	\$8.02	\$8.20	(\$0.18)
SLC Above Dos Amigos	\$8.02	\$8.20	(\$0.18)
SLC Below Dos Amigos	\$8.02	\$8.20	(\$0.18)
Volta Wells	\$9.41	\$5.33	\$4.08
San Luis Drain	\$0.25	\$0.15	\$0.10

Jones Pumping Plant Unit Rewind Project Simplified Funding Analysis

30-Oct-18

Funding Options

1. Self Funding through collection of funds through the Reserve Component using 10-year average historical deliveries.
2. Reclamation Funding through Repayment Contracts. 15 Year Term @ Treasury Rate- Unit 6 Repayment Terms -1.75% Current-3.0%
3. Revenue Bonds - 30 year term - 3.95% Interest- Using Calculations for \$10M Bond Example provided by Caldwell Sutter Capital Inc.

Project Cost (in thousands)

Unit 6 Contract Cost	\$5,000.0
Remaining 5 units 1 unit/year Contract Cost	\$31,803.6
Remaining 5 Units Under One Contract - one unit/ 9 Mos. Contract Cost	\$29,164.3
	\$2,639.3

	Self Funding			Reclamation Funding			Revenue Bond		
	Amount	Interest	Total	Amount	Interest	Total	Amount	Interest	Total
Unit 6									
Remaining 5 Units	\$29,164.3	\$0.0	\$29,164.3	\$31,803.6	\$12,642.3	\$44,445.9	\$29,164.3	\$26,976.0	\$56,140.3
Total Rewind Cost		\$30,166.2			\$45,447.8			\$57,142.2	
Increase over Self-Funding Option					\$15,281.6			\$26,976.0	

Reserve Component Potential Rate Including Self Funding for Remaining JPP Rewind Units

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Total
* EO&M Project Funding Need (in thousands)	\$ 2,683.5	\$ 4,605.8	\$ 4,644.2	\$ 5,040.5	\$ 4,575.0	\$ 2,770.4	\$ 1,514.0	\$ 2,154.5	\$ 1,792.3	\$ 2,048.7	\$ 31,828.9
**Rate (Based on 10-year Ave Historical Deliveries)	\$ 1.34	\$ 2.30	\$ 2.32	\$ 2.52	\$ 2.29	\$ 1.39	\$ 0.76	\$ 1.08	\$ 0.90	\$ 1.02	

Major EO&M Project Funding Needs (in thousands)- Unit rewind one unit/YR per 10-year Plan	\$5,213.2	\$5,375.2	\$5,525.0	\$5,690.0	\$11,445.2	\$914.3	\$2,912.7	\$2,724.9	\$4,997.0	\$5,146.9	\$49,944.4
Rate (Based on 10-year Ave Historical Deliveries) 1 Unit/YR	\$2.61	\$2.69	\$2.76	\$2.85	\$5.72	\$0.46	\$1.46	\$1.36	\$2.50	\$2.57	
Major EO&M Project Funding Needs (in thousands)- Unit rewind with remaining 5 units under one contract at one unit/9 Mos	\$4,390.8	\$6,490.0	\$6,661.9	\$11,621.7	\$1,445.2	\$914.3	\$2,912.7	\$2,724.9	\$4,997.0	\$5,146.9	\$47,305.4
Rate (Based on 10-year Ave Historical Deliveries) 1 Unit/9 Mos.	\$2.20	\$3.25	\$3.33	\$5.81	\$0.72	\$0.46	\$1.46	\$1.36	\$2.50	\$2.57	
Levelized Cost for Unit Rewind Project Duration	\$7,291.1	\$7,291.1	\$7,291.1	\$7,291.1	\$1,445.2	\$914.3	\$2,912.7	\$2,724.9	\$4,997.0	\$5,146.9	\$47,305.4
Levelized Rate (Based on 10-year Ave Historical Deliveries)	\$3.65	\$3.65	\$3.65	\$3.65	\$0.72	\$0.46	\$1.46	\$1.36	\$2.50	\$2.57	

Unit 6 Rewind Repayment Funding Need (in thousands)	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$5,000.00
Rate (Based on 10-year Ave Historical Deliveries)	\$0.25	\$0.25	\$0.25	\$0.25	\$0.25	\$0.25	\$0.25	\$0.25	\$0.25	\$0.25	

Total Reserve Component Rate- Unit Rewind 1 unit/YR	\$4.20	\$5.24	\$5.33	\$5.62	\$8.26	\$2.09	\$2.46	\$2.69	\$3.64	\$3.85	
Total Reserve Component Rate- Unit Rewind 1 unit/ 9 Mos	\$3.79	\$5.80	\$5.90	\$8.58	\$3.26	\$2.09	\$2.46	\$2.69	\$3.64	\$3.85	
Total Reserve Component Rate- Unit Rewind levelized collection over 4 years	\$5.24	\$6.20	\$6.22	\$6.42	\$3.26	\$2.09	\$2.46	\$2.69	\$3.64	\$3.85	

NOTES:

* EO&M Project Funding Need based on 10 year plan

** Assumes 2MAF

Amount included in 2024 for 1 unit/Yr and 2023 for 1 unit/ 9Mos includes cost for converting the last unit to a Variable Frequency Drive (VFD) Motor