



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 (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 (USBR Reimbursed)</u>	\$ -	\$ -	0.00%	\$ -	0.00%
Participatory Grants					
<u>TOTAL</u>	\$ 21,863,284	\$ 21,449,650	-1.89%	\$ 23,434,488	9.25%
<u>Total Self Funded Budget (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

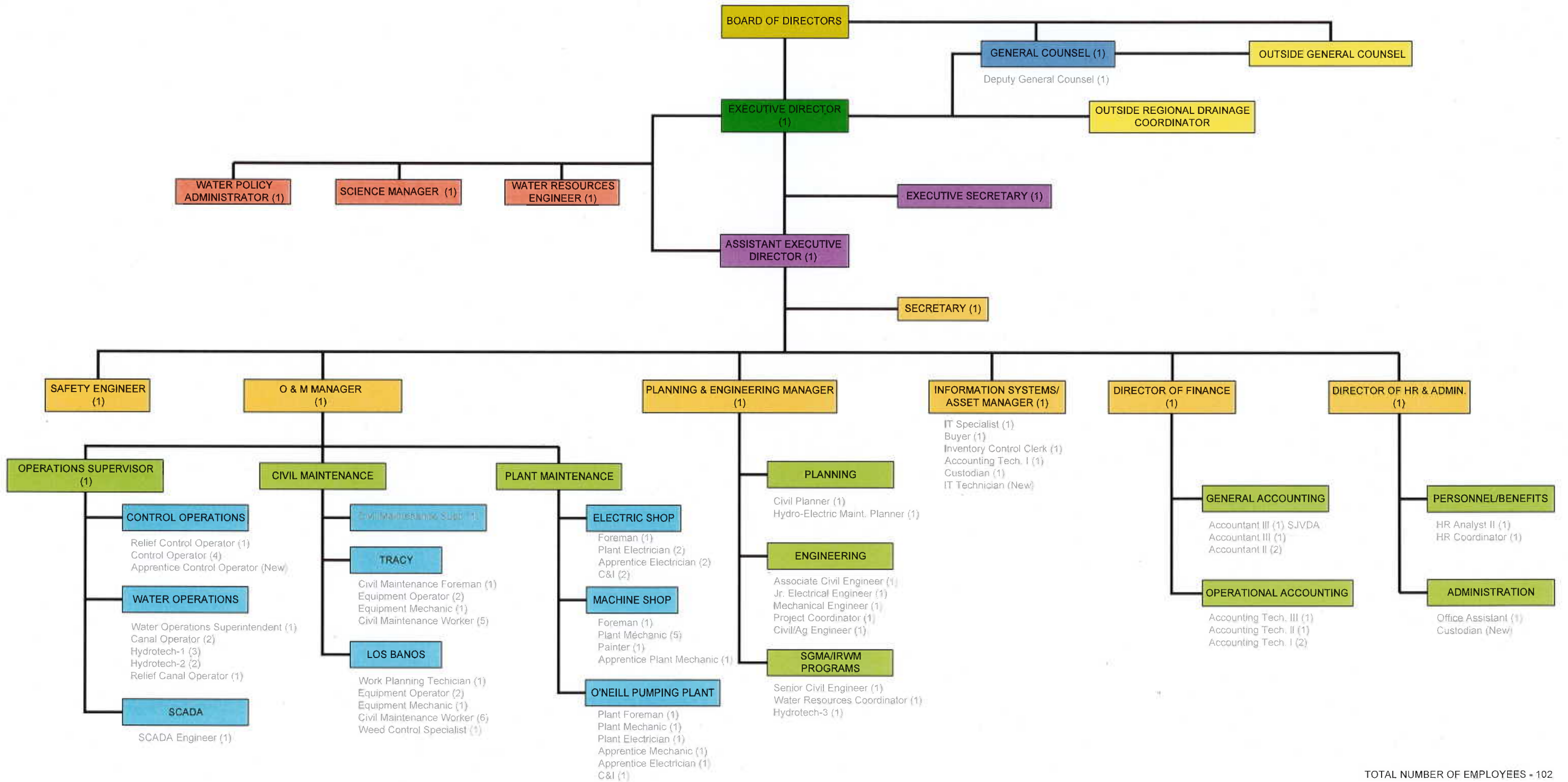
The Authority staff evaluates the materials and services costs annually and adjusts those costs depending on planned projects and pricing trends for given materials and services.

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%)	(90%)	MAXIMUM	
		STARTING SALARY	BASE SALARY	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

COLUMNS	A			B		C		C vs B	COMMENTS - 2020
	2018		2019	2020		FY19	FY20		
	Unaudited ACTUAL	FY18	APPROVED BUDGET	PROPOSED BUDGET					
SLDMWA ANNUAL BUDGET ROUTINE O&M BUDGET FY20 SELF-FUNDED & USBR - FUNDED O&M ONLY SUMMARY (no EO&M & CIP) Proposed Budget									
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 SLDMMWA Contr	\$795,839		\$939,573	\$752,272			-19.93%	
5141	Health Insurance - SLDMMWA 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
5266	Parts/Materials - Vehicle/Constrct Equip	\$13,167		\$14,191	\$20,340			43.33%	Reallocation from 22.39% to 84% of adjusted Administration budget to O&M
5288	Petroleum, Oil & Lubricants	\$52,795		\$80,034	\$80,000			-0.04%	
5291	Outside Services - Vehicle/Constrct Equip	\$174,392		\$229,287	\$226,570			-1.19%	
5296	Rents/Leases - Vehicle/Constrct Equip	\$66,346		\$58,095	\$58,050			-0.08%	
5301	Parts & Materials - Bldg/Grnds/Mach/Equip	\$48,501		\$80,000	\$40,000			-50.00%	Potential purchase of long-reach (partial year). Completed special proj. gravel roads
5311	Outside Services - Bldg/Grnds/Mach/Equip	\$330,382		\$354,422	\$371,384			4.79%	O'Neill Plant breaker replacement (special project)
5316	Rents/Leases - Land & Buildings	\$128,814		\$210,100	\$240,100			14.28%	DCI switchyard testing services. JPP air-conditioning service or swamp cooler. install
5331	Pipe, Metal & Treatments	\$74,450		\$71,788	\$108,654			51.35%	Reallocation from 22.39% to 84% of adjusted Administration budget to O&M
5341	Sand, Backfill & Rock	\$21,049		\$43,000	\$43,000			0.00%	
5351	Concrete & Paving Material	\$5,412		\$30,000	\$14,500			-51.67%	Completion of graveling unpaved roads (special project)
5361	Chemicals	\$11,783		\$18,000	\$20,000			11.11%	Increase for DMC stair replacements
5372	Telephone Expenses	\$128,214		\$107,400	\$132,400			23.28%	Increase for aquatic herbicide on lower DMC for hyacinth and water primrose
		\$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				
	Unaudited ACTUAL FY18	APPROVED BUDGET FY19	APPROVED BUDGET FY19	PROPOSED BUDGET FY20	PROPOSED BUDGET FY20				
SLDMWA ANNUAL BUDGET ROUTINE O&M BUDGET FY20 SELF-FUNDED & USBR - FUNDED O&M ONLY									
SUMMARY (no E&M & CIP) Proposed Budget									
5373 Energy	\$52,419	\$68,378	\$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		0.00%			
5375 Network Communications	\$44,754	\$58,190	\$58,190	\$60,756		4.41%			
5376 Hazardous Waste Disposal	\$10,639	\$19,300	\$19,300	\$22,100		14.51%	Increase to match actual expenditures		
5377 Disposal Expense	\$26,681	\$26,957	\$26,957	\$29,620		9.88%	Increase to match actual expenditures		
Subtotal Services & Supplies	\$1,826,760	\$2,378,990	\$2,378,990	\$2,620,655		10.16%			
5401 Insurance Premiums & Fees	\$200,124	\$199,905	\$199,905	\$198,522		-0.69%			
Subtotal Other Charges	\$200,124	\$199,905	\$199,905	\$198,522		-0.69%			
5521 New/Replacement Equipment & Furniture	\$42,704	\$41,424	\$41,424	\$48,140		16.21%	O'Neill Plant Battery Room air conditioner (See equipment justification)		
5523 Computer Hardware	\$5,739	\$8,400	\$8,400	\$9,800		16.67%	Increase for potential additional positions		
5526 Water Meters	\$2,902	\$18,000	\$18,000	\$18,000		0.00%			
5541 Automotive & Light Trucks	\$0	\$0	\$0	\$0		0.00%			
5544 Heavy Equipment	\$0	\$0	\$0	\$0		0.00%			
5561 Construction Equipment/Payment	\$0	\$0	\$0	\$0		0.00%			
Subtotal Capital Assets	\$51,345	\$67,824	\$67,824	\$75,940		11.97%			
TOTAL ROUTINE O&M BUDGET	\$11,757,352	\$13,443,099	\$13,443,099	\$13,852,285		3.04%			
Less:									
Allocated indirect charged to EO&M Reserve	(243,776)	(314,697)	(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)	(183,100)	-		-100.00%			
ADJUSTED ROUTINE O&M BUDGET TOTAL	\$11,493,375	\$12,945,303	\$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	Sub Fund of Leg/Ops #3													
			DMC O&M (01)	General Fund (03)	Leg/Ops (05)	Reallo 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%	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															
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															
5121	Payroll Taxes	\$ 5,568	\$ 1,248	\$ 834	\$ 2,894	\$ 1	\$ 8	\$ 6	\$ 11	\$ 28	\$ 56	\$ 56	\$ 14	\$ 50	\$ 28	\$ 334
5131	Retirement 401A/457	\$ 48,847	\$ 10,937	\$ 7,328	\$ 25,400	\$ 5	\$ 73	\$ 49	\$ 98	\$ 244	\$ 488	\$ 488	\$ 122	\$ 440	\$ 244	\$ 2,931
5141	Health Insurance	\$ 40,611	\$ 9,093	\$ 6,091	\$ 21,118	\$ 4	\$ 61	\$ 41	\$ 81	\$ 203	\$ 406	\$ 406	\$ 102	\$ 365	\$ 203	\$ 2,437
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
5228	Auditing	\$ 70,000	\$ 63,000	\$ 587	\$ 583	\$ 583	\$ 583	\$ 583	\$ 583	\$ 583	\$ 583	\$ 583	\$ 583	\$ 583	\$ 583	\$ -
5231	Other Prof. Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
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	\$ 7,000	\$ 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	\$ 23,057	\$ 4	\$ 67	\$ 44	\$ 89	\$ 222	\$ 444	\$ 444	\$ 111	\$ 399	\$ 222	\$ 2,662
5246	Rents/Leases - Office Equip.	\$ 2,800	\$ 627	\$ 420	\$ 1,450	\$ 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
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

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	DMC O&M (01)	General Fund (03)	Leg/Ops (05)	Res/lo Agreement (06)	Contract Renewal Coordinator (35)	Leg/Ops #3 (09)	Sub Fund of	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
									Leg/Ops #3								
	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%	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
5210	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	\$ 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																
5266	Conference & Training Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5261	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	\$ 360	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 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	\$ 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
PRIORITY CODE: - -

EXPENSE CODE: 5521
BUDGET UNIT: 40/52

Type of Purchase

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

EQUIPMENT DESCRIPTION:
GENERAL SPECIFICATIONS:
(See attached information)

Compact Electric Man-lift
 For DCI Plant

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

<u>ESTIMATED COST</u>	<u>CURRENT O&M COST INFORMATION</u>
Salary Cost: \$40,769.00 (Max)	Annual Cost for current contractor: \$42,747
Benefits, etc.: \$12,408.24	:
Estimated Cost: \$53,177.24	:

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

EXPENSE CODE: 5101

PRIORITY CODE: - -

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

- Materials
- Services
- Other: Request for New Positions

PROJECT DESCRIPTION:
GENERAL SPECIFICATIONS:
(See attached information)

New Positions: Apprentice Control Operator-Step 1

<u>ESTIMATED COST</u>	<u>CURRENT O&M COST INFORMATION</u>						
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px 5px;">Salary Cost:</td> <td style="padding: 2px 5px; text-align: right;">\$61,679.34</td> </tr> <tr> <td style="padding: 2px 5px;">Benefits, etc.:</td> <td style="padding: 2px 5px; text-align: right;">\$17,315.59</td> </tr> <tr> <td style="padding: 2px 5px;">Estimated Cost:</td> <td style="padding: 2px 5px; text-align: right;">\$78,994.93</td> </tr> </table>	Salary Cost:	\$61,679.34	Benefits, etc.:	\$17,315.59	Estimated Cost:	\$78,994.93	: : : :
Salary Cost:	\$61,679.34						
Benefits, etc.:	\$17,315.59						
Estimated Cost:	\$78,994.93						

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														
<i>Estimated Project Cost (x \$1,000)</i>														
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					<i>Estimated Project Cost (x \$1,000)</i>									
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
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

\$21,500.9

San Luis & Delta-Mendota Water Authority

EXTRAORDINARY O&M PROJECTS FUNDING SUMMARY

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	Asst. 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	Asst. 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 Regulated	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**

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:	<i>POOR:</i>	<i>FAIR:</i>	<i>GOOD:</i>
DESCRIPTION AND JUSTIFICATION			
DESCRIPTION OF EQUIPMENT USE WITHIN THE AUTHORITY:			
<p>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.</p> <ul style="list-style-type: none"> ➤ Provide emergency power to plant during outages to support lighting, sump pumps and other critical equipment 			
REASON FOR PURCHASE:			
<p>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.</p> <p>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.</p> <p>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.</p> <p>This generator will be portable so that it will also be used for OPP outages and emergencies.</p> <p>Due to the critical nature of maintaining dewatering capability an emergency generator is considered a necessary piece of equipment for the Authority</p> <p>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.</p>			

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:	<i>POOR:</i>	<i>FAIR:</i> <i>GOOD:</i>

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:	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										
					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								
8104	1/2 Ton Pickup		S. Posey	2014	LBFO Canal Operations	171,750	38,598	0	2019	171,750	2020	\$24,000	\$24,000				\$40,000				
8101	Mid Size SUV 4WD		P. Stearns	2014	Operations Manager	137,386	26,403	1	2020	137,386	2020	\$33,000	\$33,000				\$24,000				
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				\$33,000				
2601	3/4 Ton Pickup		JPP	2001	JPP Machine Shop	72,189	2,919	15	2016	75,108	2021	\$24,000								\$2,020	
2606	3/4 Ton Pickup w/Utility Body		M. Izoco	2002	Oneill PP	58,723	1,997	15	2017	60,720	2021	\$40,000		\$24,000							
8077	1/2 Ton Pickup		J. McNeil	2011	Civil Engineer	146,043	6,941	1	2020	152,984	2021	\$24,000		\$40,000							
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		\$40,000						\$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							\$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
8089	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							\$2,029
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							\$2,029
8120	Mid Sized Sedan		S. Davis	2017	IT	39,022	22,515	5	2024	151,597	2025	\$26,500		\$2,025							
8118	1/2 Ton Pickup		C. Hackett	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						\$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							\$2,027
8081	Small SUV		D. Lakey	2012	SCADA Integrator	43,064	6,686	15	2027	89,866	2027	\$27,000		\$2,027							\$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							\$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						\$26,000	
8105	1 Ton Utility Truck-Diesel		CMLB	2014	LBFO Civil Maint.	55,450	11,782	9	2028	161,488	2029	\$60,000		\$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		\$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		\$45,000							
8067	Full Size Sedan ¹		LBAO	2010	Executive Director	104,810	11,646	-4	2015	93,164	2019	\$37,000		\$37,000							
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		\$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		\$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		\$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

<u>EXISTING VEHICLE INFORMATION</u>			
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:	<i>POOR:</i>	<i>FAIR:</i> X	<i>GOOD:</i>
<u>DESCRIPTION AND JUSTIFICATION</u>			
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.			
<u>INTENDED USE AFTER REPLACEMENT:</u>		REASSIGNMENT TO: Engineering	SURPLUS:
<u>VEHICLE TO BE SURPLUSSED:</u>			
VEHICLE NO: 8039	YEAR: 2006	AGE (YRS.): 13	
MAKE: Ford	MODEL: Fusion		
DEPARTMENT: Engineering	MAINTENANCE YARD: TFO		
CURRENT VEHICLE MILEAGE:			
MECHANICS RATING OF VEHICLE:	<i>POOR:</i> X	<i>FAIR:</i>	<i>GOOD:</i>
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

<u>EXISTING VEHICLE INFORMATION</u>			
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:	<i>POOR:</i>	<i>FAIR: X</i>	<i>GOOD:</i>
<u>DESCRIPTION AND JUSTIFICATION</u>			
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:			
<ul style="list-style-type: none"> ➤ 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			
<u>INTENDED USE AFTER REPLACEMENT:</u>			
REASSIGNMENT TO: Electric Shop		SURPLUS:	
<u>VEHICLE TO BE SURPLUSED:</u>			
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:	<i>POOR: X</i>	<i>FAIR:</i>	<i>GOOD:</i>
GENERAL NOTE:			

Date Prepared:

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

1 TON SERVICE TRUCK

ESTIMATE COST: \$60,000

<u>EXISTING VEHICLE INFORMATION</u>			
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:	<i>POOR:</i>	<i>FAIR: X</i>	<i>GOOD:</i>
<u>DESCRIPTION AND JUSTIFICATION</u>			
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.			
<ul style="list-style-type: none"> > 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.			
<u>INTENDED USE AFTER REPLACEMENT:</u>		REASSIGNMENT TO:	SURPLUS: XX
<u>VEHICLE TO BE SURPLUSED:</u>			
VEHICLE NO:	YEAR:	AGE (YRS):	
MAKE:	MODEL:		
DEPARTMENT:	MAINTENANCE YARD:		
CURRENT VEHICLE MILEAGE:			
MECHANICS RATING OF VEHICLE:	<i>POOR:</i>	<i>FAIR:</i>	<i>GOOD:</i>
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								\$ 6		
Interior Maintenance (Painting)	20	5	2007	2027										
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	\$8,750	\$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 workstns	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	\$4,500
Firewall	1	5		\$800	\$0	\$800	\$0	\$0	\$800	\$0	\$800	\$0	\$0	\$300	\$2,200
Security Monitors (42")	3	4		\$1,000	\$0	\$3,000	\$0	\$0	\$3,000	\$0	\$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

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. The cost of \$1,700 per PC includes software for the workstation (e.g. MS Windows 10 & MS Office)

Note 2: Replace flat panel monitors as needed.

Note 3: Replace Oracle WAM servers (2) in 2020. Replace storage server in 2021. Replace mail, file, & sql servers in 2022. The amounts include the operating system software and client access licenses.

Note 4: All switches will be replaced at the same time.

Note 5: Replace backup systems at LBAO, Tracy and Sacramento; includes hardware, software, external drives, and technical support.

Note 6: Support & upgrades are purchased every three years due to the cost savings but not for longer due to the changes in technology.

Note 7: Purchase 2-year support/update contract in 2021 and replace hardware with 3-year software support/updates in 2023.

Note 8: This section consists of a servers, switches, PCs, monitors & laptops with varying life cycles for the SCADA network.

Note 9: Replace the LBAO copiers (one color and one black/white) and TAO copier (color) in 2020. Replace Warehouse copier in 2021.

Note 10: Replace the TAO fax in 2021.

Note 11: Replace the Tracy phone system in 2023.

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	<u>\$ (27,818)</u>

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					\$1,001.9	\$1,001.9			
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