

# **REVISED WY 2017 O & M WATER RATES**

BOARD OF DIRECTORS

MAY 4, 2017



## **San Luis & Delta-Mendota Water Authority**

LOS BANOS ADMINISTRATIVE OFFICE  
TRACY FIELD OFFICE

LOS BANOS FIELD OFFICE  
C.W. "BILL" JONES PUMPING PLANT  
O'NEILL PUMPING PLANT

# San Luis & Delta-Mendota Water Authority

## Notes to Support the Revised WY17 O&M Rates to FAC 5/1/17, to BOD 5/4/17

### 1 O&M Budget - Self Funded

WY17 - Fiscal Year 3/1/17-2/28/18

RO&M = \$11,863,784

1 EO&M = \$3,823,444

2 EO&M Rewind = \$5,714,128

### 2 Delivery Assumptions

Ag - Contractor 100%, used Contractor projections

M&I - Contractor Estimates, 100%, used Contractor projections

Refuge - 100% used BOR Refuge Estimate

Exchange/Water Rights - 100%

Estimated Rescheduled Water

Estimated SJR flows to meet EC/Settlement demand at pool

Estimated Kings River flows

Pump-Ins

Miscellaneous Transfers

No Mendota Pool Pumpers Pumping

No Volta Well Pumping

No Recapture Water

### 3 Intertie

Intertie anticipated to be used in WY17, estimated 101,466 a/f per SLDMWA.

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

### 4 Volta Wells

Volta Wells Program in WY17, no pumping

### 5 PUE SLDMWA Meters

WY17 PUE estimates based on BOR PUE FYE 9/30/17 information, factored 1% increase for cross of fiscal year.

PUE Budget relating to WY17 - FY 3/1/17 - 2/28/18 = \$19,796,000

PUE Budget relating to WY16 - FY 3/1/16 - 2/28/17 = \$15,700,000

### 6 DWR San Luis Joint Use

WY17 SLJU estimates based on DWR SLJU Calendar Year Budget Estimates dated 3/13/17 for multiple years, adjusted by Mandeep Bling, DWR 4/13/17

SLJU Budget relating to WY17 - FY3/1/17 - 2/28/18 = \$11,850,000.

SLJU Budget relating to WY16 - FY3/1/16 - 2/28/17 = \$11,200,000.

Federal cost allocation for 2016-2020 = 39.90%

Federal cost allocation for 2011-2015 = 39.72%

### 7 EO&M Funding

Funding Obligation based on 10year plan, and use of available excess.

1 EO&M Funding Obligation WY17 - FY3/1/17 - 2/28/18 = \$3,835,444, EO&M Budget = \$3,823,444.

2 EO&M Rewind Funding Obligation WY17 - FY3/1/17 - 2/29/18 = \$0, EO&M Budget = \$5,714,128.

### 8 Overall Increase in Est. Recoverable Costs over Prior Year.

Total Estimated Recoverable Costs in Water Year 2017- \$ 49,211,187

Total Estimated Recoverable Costs in Water Year 2016- \$ (40,577,853)

Increase \$ 8,633,334



**San Luis & Delta-Mendota Water Authority  
Revised - WY17 O&M Rates**

FAC 5/1/16, BOD 5/4/17

	<u>WY 2017 Rate</u> 3/1/17-2/28/18  <u>Revised</u> <b>WY2017</b>	<u>WY 2017 Rate</u> 3/1/17-2/28/18  <u>Current</u> <b>WY2017</b>  <u>same as WY16</u>	<b>Variance</b>
<b>WATER SUPPLY</b>			
Irrigation	100%	5%	
M&I	100%	55%	
Refuge	100%, Per BOR	100%, Per BOR	
Exchange/Water Rights	100%	100%	
<b>RATES</b>			
Upper DMC	\$12.35	\$17.15	(\$4.80)
Upper DMC - Exchange/Wtr Rts	\$11.16	\$16.42	(\$5.26)
Lower DMC/Pool	\$14.68	\$19.59	(\$4.91)
Lower DMC/Pool - Exchange/Wtr Rts	\$13.49	\$18.86	(\$5.37)
San Felipe	\$14.15	\$23.71	(\$9.56)
SLC Above Dos Amigos	\$21.12	\$55.44	(\$34.32)
SLC Below Dos Amigos	\$25.71	\$73.34	(\$47.63)
Volta Wells	\$0.00	\$23.29	(\$23.29)
San Luis Drain	\$0.08	\$0.40	(\$0.32)

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**San Luis & Delta-Mendota Water Authority  
Revised WY17 O&M Rates**

FAC 5/1/17 / BOD 5/4/17

<u>WY 2017 Rate</u> 3/1/17-2/28/18	<u>Revised</u>
	100%
	100%
	100%
	100%

**WATER SUPPLY**

Irrigation

M&I

Refuge

Exchange/Water Rights

	Revised WY17 O&M Rate	Rate Detail						
		SLDMWA O&M	SLDMWA Reserves E.O&M	SLDMWA Rerwind Repayment Reserves E.O&M	BOR Project Use Energy	DWR Intertie Conveyance	DWR San Luis Joint Use	Grassland Water District/Outside Services Volta Wells
<b>RATES</b>								
Upper DMC	\$12.35	\$3.15	\$1.37		\$6.82	\$0.99	\$0.02	\$0.00
Upper DMC - Exchange/Wtr Rts	\$11.16	\$3.00	\$1.37		\$6.77	\$0.00	\$0.02	\$0.00
Lower DMC/Pool	\$14.68	\$5.48	\$1.37		\$6.82	\$0.99	\$0.02	\$0.00
Lower DMC/Pool - Exchange/Wtr Rts	\$13.49	\$5.33	\$1.37		\$6.77	\$0.00	\$0.02	\$0.00
San Felipe	\$14.15	\$4.17	\$1.37		\$7.49	\$0.99	\$0.13	\$0.00
SLC Above Dos Amigos	\$21.12	\$4.17	\$1.37		\$7.49	\$0.99	\$7.10	\$0.00
SLC Below Dos Amigos	\$25.71	\$4.17	\$1.37		\$9.64	\$0.99	\$9.54	\$0.00
Volta Wells	\$0.00	\$0.00	\$0.00		\$0.00	\$0.00	\$0.00	\$0.00
San Luis Drain	\$0.08	\$0.08	\$0.00		\$0.00	\$0.00	\$0.00	\$0.00

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**SLDMWA - O&M Rates**  
**Revised WY2017 SELF-FUNDING SLDMWA O&M WATER RATES**  
 Finance & Administration Committee - May 1, 2017  
 Board of Directors - May 4, 2017

COST POOLS	SLDMWA ANNUAL O&M and POWER				SLDMWA RESERVES		SLDMWA RESERVES		SLDMWA DWR COSTS		TOTAL
	UPPER Upper DMC/ JPP	UPPER Interte (Temporary Cost Pool)	JPP PWR All Users (Actual Pumping Only)	VOLTA WELLS BOR DPWD SLWD	LOWER Lower DMC/ Mendota Pool	O'NEILL P/G O'Neill O&M	RESERVES All Users "Direct"	RESERVES All Users "Storage"	DWR Canal San Luis Canal O&M	DWR Users All SLJU Users	POWER Dos Amigos Power
PARTICIPANTS	All Users	All Users Excludes Exchange Cont. and Water Rights	All Users (Actual Pumping Only)	BOR DPWD SLWD	Lower DMC/ Mendota Pool	All Users "Direct"	All Users "Storage"	San Luis Canal O&M	All SLJU Users	Dos Amigos Power	
COSTS TO BE ALLOCATED**	\$6,988,263	\$2,241,222	\$15,825,000	\$0	\$2,609,886	\$2,955,748	\$3,835,444	\$8,650,000	\$3,000,000	\$2,638,000	
ACRE FEET	2,453,141	1,895,095	2,374,251	0	1,122,600	1,432,574	% of 10 Yr Historical Use	1,241,232	1,231,232	1,231,232	
RATE PER AF	\$2.85	\$1.19	\$6.67	\$0.00	\$2.33	\$2.07	\$1.37	\$6.97	\$2.44	\$2.15	

**SLDMWA COMPONENT RATE PER ACRE FOOT - BY DELIVERY AREA / CONTRACTOR**

Area	Rate
Upper DMC	\$12.35
Exchange/Wtr Rts (Upper)	\$11.16
Lower DMC/Pool	\$14.68
San Felipe	\$14.15
San Luis Canal Above Dos Amigos	\$21.12
San Luis Canal Below Dos Amigos	\$25.71
Exchange/Wtr Rts (Lower)	\$13.49
Refuge (Lower)	\$14.68
Volta Wells	\$0.00
San Luis Drain	\$0.08

Category	Rate
Direct	\$1.17
O&M = \$1.17	\$1.17
O&M DWR = \$1.13	\$1.13
Per = \$0.77	\$0.77
Storage	\$0.15
O&M = \$0.15	\$0.15
O&M DWR = \$0.02	\$0.02
Per = \$0.10	\$0.10
Ex/Wtr Rts	\$0.27
Refuge	\$0.27
Irrigation	\$0.27

**WATER SUPPLY ASSUMPTIONS**

Irrigation	100%
MSA	100%
Refuge	100%
Ex/Wtr Rts	100%

Category	Amount
Upper DMC	\$11,761,447
Exchange/Wtr Rts (Upper)	\$3,835,444
Lower DMC/Pool	\$0
San Felipe	\$102,337
San Luis Canal Above Dos Amigos	\$0
San Luis Canal Below Dos Amigos	\$1,865,960
Exchange/Wtr Rts (Lower)	\$0
Refuge (Lower)	\$0
Volta Wells	\$0
San Luis Drain	\$102,337
<b>TOTAL</b>	<b>\$17,768,000</b>
Upper DMC	\$15,825,000
Exchange/Wtr Rts (Upper)	\$87,000
Lower DMC/Pool	\$0
San Felipe	\$0
San Luis Canal Above Dos Amigos	\$0
San Luis Canal Below Dos Amigos	\$0
Exchange/Wtr Rts (Lower)	\$0
Refuge (Lower)	\$0
Volta Wells	\$0
San Luis Drain	\$0
<b>TOTAL</b>	<b>\$16,000,000</b>

Category	Amount
Upper DMC	\$1,868,807.79
Exchange/Wtr Rts (Upper)	\$206,257.14
Lower DMC/Pool	\$0
San Felipe	\$1,875,044.83
San Luis Canal Above Dos Amigos	\$0
San Luis Canal Below Dos Amigos	\$0
Exchange/Wtr Rts (Lower)	\$0
Refuge (Lower)	\$0
Volta Wells	\$0
San Luis Drain	\$0
<b>TOTAL</b>	<b>\$3,950,110</b>

Category	Amount
Upper DMC	\$1,168,826.63
Exchange/Wtr Rts (Upper)	\$1,132,934.81
Lower DMC/Pool	\$0
San Felipe	\$0
San Luis Canal Above Dos Amigos	\$0
San Luis Canal Below Dos Amigos	\$0
Exchange/Wtr Rts (Lower)	\$0
Refuge (Lower)	\$0
Volta Wells	\$0
San Luis Drain	\$0
<b>TOTAL</b>	<b>\$2,301,761.44</b>

Category	Amount
Upper DMC	\$1,068,940.00
Exchange/Wtr Rts (Upper)	\$137,060.00
Lower DMC/Pool	\$0
San Felipe	\$0
San Luis Canal Above Dos Amigos	\$0
San Luis Canal Below Dos Amigos	\$0
Exchange/Wtr Rts (Lower)	\$0
Refuge (Lower)	\$0
Volta Wells	\$0
San Luis Drain	\$0
<b>TOTAL</b>	<b>\$1,206,000.00</b>

Category	Amount
Upper DMC	\$178,000.00
Exchange/Wtr Rts (Upper)	\$22,000.00
Lower DMC/Pool	\$0
San Felipe	\$0
San Luis Canal Above Dos Amigos	\$0
San Luis Canal Below Dos Amigos	\$0
Exchange/Wtr Rts (Lower)	\$0
Refuge (Lower)	\$0
Volta Wells	\$0
San Luis Drain	\$0
<b>TOTAL</b>	<b>\$200,000.00</b>

Category	Amount
Upper DMC	\$2,638,000
Exchange/Wtr Rts (Upper)	\$0
Lower DMC/Pool	\$0
San Felipe	\$0
San Luis Canal Above Dos Amigos	\$0
San Luis Canal Below Dos Amigos	\$0
Exchange/Wtr Rts (Lower)	\$0
Refuge (Lower)	\$0
Volta Wells	\$0
San Luis Drain	\$0
<b>TOTAL</b>	<b>\$2,638,000</b>



5/1/2017

**SLDMWA - O&M Rates**  
**Revised WY2017 SELF-FUNDING SLDMWA O&M WATER RATES**  
 Finance & Administration Committee - May 1, 2017  
 Board of Directors - May 4, 2017

COST POOLS	SLDMWA ANNUAL O&M and POWER									
	UPPER Upper DMC/ JPP	UPPER Intertie (Temporary Cost Pool)	JPP PWR	Volta Wells	LOWER Lower DMC/ Mendota Pool	O'NEILL P/G O'Neill O&M	DWR COSTS San Luis Canal O&M	POWER Dos Amigos Power	DWR COSTS Dos Amigos O&M	POWER Dos Amigos Users
PARTICIPANTS	All Users	All Users Excludes Exchange Cont. and Water Rights	All Users (Actual Pumping Only)	BOR / DPWD/SLWD	Lower DMC & MP Users	All Users "Direct"	All SLJU Users	Dos Amigos Users	Dos Amigos Users	Dos Amigos Users
WY 17 ACRE FEET	2,453,141	1,895,095	2,374,251	0	1,122,600	1,432,574	1,241,232	1,231,232	1,231,232	1,231,232
WY16 ACRE FEET	1,377,780	644,593	1,328,981	6,000	1,017,207	334,160	261,614	251,614	251,614	251,614
Variance	1,075,361	1,250,402	1,045,270	(6,000)	105,393	1,098,414	979,618	979,618	979,618	979,618

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SLDMWA Self-Funding O&M Comparison WY17/WY16

FAC 5/1/2017  
BOD 5/4/2017

	O&M	EO&M Budget	Self-Funding Reserve Obligation	Self-Funding PUE	Self-Funding SLJU	Volta Wells Outside Service	Intertie DWR Conveyance	Total, does not include EO&M Budget
WY 17	\$ 11,863,783	\$ 3,823,444	\$ 3,835,444	\$ 19,796,000	\$ 11,850,000	\$ -	\$ 1,865,960	\$ 49,211,187
WY 16	\$ (11,428,119)	\$ (1,977,734)	\$ (1,977,734)	\$ (15,700,000)	\$ (11,200,000)	\$ (112,000)	\$ (160,000)	\$ (40,577,853)
Variance	\$ 435,664	\$ 1,845,710	\$ 1,857,710	\$ 4,096,000	\$ 650,000	\$ (112,000)	\$ 1,705,960	\$ 8,633,334

\* Info Only \* \* \* \* \*

\* Included in Rate Calculation

O&M

Reserve Obligation

PUE

Volta Wells

Intertie Conveyance