

**ACTUAL AND PROJECTED
WATER PURCHASED COSTS**

	<u>FY09/10</u>	<u>FY10/11</u>	<u>FY11/12</u>	<u>FY12/13</u>	<u>FY13/14</u>	<u>FY14/15</u>	<u>FY15/16</u>	<u>FY16/17</u>
Water Production (AF) - Plan	28,760	27,616	26,265	26,265	26,265	26,265	26,265	26,265
Water Production (AF) - Revised [*]	25,820	28,517	25,624	25,000	26,000	24,062	21,518	23,000
Imported Percentage	38.00%	38.00%	35.00%	32.00%	30.00%	28.00%	25.00%	
Supply Cutback	5.00%	6.00%	0.00%	6.00%	0.00%	0.00%	0.00%	
MWD Allocation (AF)	17,980	0	0	0	7,800	6,737	3,301	
* Includes credits from MWD (161 AF)								
Projected Purchased Water Costs [**]	\$ 10,972,150	\$ 14,200,600	\$ 12,052,800	\$ 11,173,300	\$ 12,332,200	\$ 12,204,500	\$ 11,107,000	\$ 13,378,741
Purchased Water Costs - Plan	\$ 11,200,000	\$ 11,200,000	\$ 11,200,000	\$ 11,200,000	\$ 11,200,000	\$ 11,200,000	\$ 11,200,000	\$ 11,200,000
Increase in Purchased Water Costs	(227,850)	3,000,600	852,800	(26,700)	1,132,200	1,004,500	(93,000)	2,178,741
Plan Cost of Water - \$/AF	\$389.43	\$405.56	\$426.42	\$426.42	\$426.42	\$426.42	\$426.42	\$426.42
Revised Cost of Water - \$/AF	\$424.95	\$497.97	\$497.97	\$446.93	\$474.32	\$507.21	\$516.18	\$581.68
EST Commodity Pass Through (Current Yr - Prior Yr) - \$/ccf				(\$0.12)	\$0.06	\$0.08	\$0.02	\$0.15
ACTUAL Commodity Pass Through (Current Yr - Prior Yr) - \$	\$0.19	\$0.07	\$0.00					

WATER PURCHASES COSTS 2009-10						
WATER COSTS						
MWD Allocation	30,363					
OCWD Allocation	29,000					
% Groundwater	62.00%	17,980				
% Purchased	38.00%	12,383	Based on MWD allocation			
UNDER CUTBACKS						
MWD Level 2 Allocations (85% minimum)	85.00%	10,526	af delivered	16008.4	25820	
Local Supply		17,980	af	9811.6	10,526	15,294
Plus Conservation Hardening Credits			af			
Total Delivered		25,820	af			
CONNECTIONS	34,196					
IMPORT COSTS						
	Volume	Cost	TOTAL			
Commodity Charges	af	\$/af	\$			
MWD Imported Water Charge - \$/af	7,678	707.50	\$5,432,185.00			
MWD Conjunctive Use Program - \$/af	2,848	607.00	\$1,728,736.00			
RA: Pumped Water - \$/af	15,294	249.00	\$3,808,206.00			
Water Pumping Costs - \$/af	15,294	62.00	\$948,228.00			
			Minimum is 2,848 af/yr. This is considered a credit against imported water and paid for at a lower price.			
Additional Fixed Costs Charged	Units	Cost	TOTAL			
	connections	\$/unit	\$			
MWD Readiness to Serve Charge	1	315,467.00	\$315,467.00			
MWD Connection Charge	34,196	5.50	\$188,078.00			
TOTAL IMPORTED WATER COSTS			\$12,420,900.00			
FY 09/10 Cost of Water - \$/af			\$481.06			
LESS Prior Yr's Cost of Water - \$/af			(\$382.16) Forecasted:	\$11,200,000		purchased water
Increase in Cost of Water - \$/af			\$98.90	12,193,000		ccf volume sold
Increase in Cost of Water - \$/ccf			\$0.23	12,766,071		ccf volume produced
				29,306.87		af produced
				\$382.16		\$/af
FORMULA:						
MWD/OCWD Imported Water Charge * ([MWD Allocation - (OCWD Allocation * BPP)] * MWD Cutback Allowance + Conservation Hardening Credits - Conjunctive Usage)						
PLUS: [MWD/OCWD Imported Water Charge - Energy Cost - Pumping Cost] * 2,848						
PLUS: RA Pumped Water Charge * [OCWD Allocation * BPP]						
PLUS: Water Pumping Costs * [OCWD Allocation * BPP]						
PLUS: MWD Connection Charge * [Number of City Connections]						
PLUS: MWD Readiness to Serve Charge						
EQUALS: Total Imported Water Costs						
Current Year Imported Water Costs / Total Delivered Water = Current Year Cost of Water						
Total Delivered Water = [MWD Allocation - (OCWD Allocation * BPP)] * MWD Cutback Allowance + Conservation Hardening Credits + (OCWD Allocation * BPP)						

WATER PURCHASES COSTS
(Actual)
2010-11

WATER COSTS

MWD Allocation	30,407	
OCWD Allocation	28,517	
% Groundwater (OCWD)	62.00%	17,681
% Purchased (MWD)	38.00%	10,836
		28,517

UNDER CUTBACKS

MWD Level 2 Allocations (85% minimum)		af delivered
Local Supply		af
Plus Conservation Hardening Credits		af
Total Delivered		af

CONNECTIONS 34,196

IMPORT COSTS

	Volume	Cost	TOTAL
	af	\$/af	\$
<u>Commodity Charges</u>			
MWD Imported Water Charge - \$/af	10,836	750.75	\$8,135,472.35
MWD In-Leiu		249.00	\$0.00 Verify Cost with May's Invoice
RA: Pumped Water - \$/af	17,681	249.00	\$4,402,454.46
Water Pumping Costs - \$/af	17,681	63.00	\$1,113,874.02

Additional Fixed Costs Charged

	Units	Cost	TOTAL
	connections	\$/unit	\$
MWD Readiness to Serve Charge	1	351,891.00	\$351,891.00
MWD Connection Charge	34,241	5.75	\$196,885.75

TOTAL IMPORTED WATER COSTS

\$14,200,577.58

FY 10/11 Cost of Water - \$/af	\$497.97
LESS Prior Yr's Cost of Water - \$/af	(\$466.47)
Increase in Cost of Water - \$/af	\$31.50
Increase in Cost of Water - \$/ccf	\$0.07

WATER PURCHASES COSTS 2011-12					
WATER COSTS					
Supply Allocation	25,624				
	25,624				
% Groundwater	65.00%	16,656			
% Purchased	35.00%	8,968			
	100.00%	8,968	af delivered		
		16,656	af		
Total Delivered		25,624	af		
CONNECTIONS	34,196				
IMPORT COSTS					
	Volume	Cost	TOTAL		
Commodity Charges					
	af	\$/af	\$		
MWD Imported Water Charge - \$/af	7,852	798.25	\$6,267,859.00		
In-Lieu Import	1,116	315.00	\$351,666.00		
RA: Pumped Water - \$/af	16,656	254.00	\$4,230,624.00		
Water Pumping Costs - \$/af	16,656	34.00	\$566,304.00		
Additional Fixed Costs Charged					
	Units	Cost	TOTAL		
	connections	\$/unit	\$		
MWD Readiness to Serve Charge	1	422,624.00	\$422,624.00		
MWD Connection Charge	34,196	6.25	\$213,725.00		
TOTAL IMPORTED WATER COSTS			\$12,052,802.00		
FY 11/12 Cost of Water - \$/af			\$470.38		
LESS Prior Yr's Cost of Water - \$/af			(\$497.97)		
Increase in Cost of Water - \$/af			(\$27.59)		
Increase in Cost of Water - \$/ccf			(\$0.06)		

Note: Fluctuation in BPP due to Well 22 out of service and Trask having nitrate issues, needed to in

crease import

WATER PURCHASES COSTS 2012-13					
WATER COSTS					
	25,000				
Supply Allocation	25,000				
% Groundwater	68.00%	17,000			
% Purchased	32.00%	8,000			
			Based on MWD allocation		
				8640	
				0.408796296	
	100.00%	8,000	af delivered	1600	1270400
		17,000	af	2400	2032800
			af		
		25,000			3303200
CONNECTIONS	33,680				\$4,090,934.00
					\$2,536,000.00
					\$6,626,934.00
					\$7,918,636.00
IMPORT COSTS					
	Volume	Cost	TOTAL	Well 28 cost savings	
Commodity Charges	af	\$/af	\$		\$1,291,702.00
MWD Imported Water Charge - \$/af	4,000	850.75	\$3,403,000.00		
Well #28 Basin Equity Exemption - \$/af	4,000	634.00	\$2,536,000.00	mwdoc rate	\$4,115,328.00
RA: Pumped Water - \$/af	17,000	266.00	\$4,522,000.00		
Additional Fixed Costs Charged	Units	Cost	TOTAL		
	connections	\$/unit	\$		
MWD Readiness to Serve Charge	1	468,148.00	\$468,148.00		\$311,680.00
MWD Connection Charge	33,680	7.25	\$244,180.00		\$9.25
TOTAL IMPORTED WATER COSTS			\$11,173,328.00		
FY 12/13 Cost of Water - \$/af			\$446.93		
LESS Prior Yr's Cost of Water - \$/af			(\$470.38) Forecasted:		
Increase in Cost of Water - \$/af			(\$23.45)		
Increase in Cost of Water - \$/ccf			(\$0.05)		

WATER PURCHASES COSTS										
2013-14										
WATER COSTS										
		26,000								
Supply Allocation		26,000								
% Groundwater		70.00%	18,200							
% Purchased		30.00%	7,800							
			7,800	af delivered						
			18,200	af						
				af						
Total Delivered			26,233	af						
CONNECTIONS		34,206								
IMPORT COSTS										
	Volume	Cost	TOTAL							
Commodity Charges	af	\$/af	\$							
MWD Imported Water Charge - \$/af	4,252	893.25	\$3,797,920.35							
Well #28 Basin Equity Exemption - \$/af	2,658	644.00	\$1,711,752.00							
RA: Pumped Water - \$/af	18,392	276.00	\$5,076,219.60							
Conjunctive Use Program - \$/af	931	791.25	\$736,970.25							
Additional Fixed Costs Charged	Units	Cost	TOTAL							
	connections	\$/unit	\$							
MWD Readiness to Serve Charge	1	722,052.00	\$722,052.00							
MWD Connection Charge	34,206	8.40	\$287,330.40							
TOTAL IMPORTED WATER COSTS			\$12,332,244.60							
FY 13/14 Cost of Water - \$/af			\$470.10							
LESS Prior Yr's Cost of Water - \$/af			(\$446.93)	Forecasted:	\$11,200,000	purchased water	\$10,640,000.00			
Increase in Cost of Water - \$/af			\$23.17		11,489,800	ccf volume sold	11,440,860	ccf		
Increase in Cost of Water - \$/ccf			\$0.05		12,029,821	ccf volume produced				
					27,616.67	af produced	26,264.60			
					\$405.55	\$/af				
					\$0.15					

WATER PURCHASES COSTS												
2014-15												
WATER COSTS												
		24,062										
Supply Allocation		24,062										
% Groundwater		72.00%	17,325									
% Purchased		28.00%	6,737									
			6,737	af delivered								
			17,325	af								
				af								
Total Delivered			24,062	af								
CONNECTIONS		34,177										
IMPORT COSTS												
	Volume	Cost	TOTAL									
Commodity Charges	af	\$/af	\$									
MWD Imported Water Charge - \$/af (July - Dec)	4,111.5	890.50	\$3,661,290.75									
MWD Imported Water Charge - \$/af (Jan - June)	1,816.2	923.50	\$1,677,260.70									
RA: Pumped Water - \$/af	17,422	294.00	\$5,121,979.80									
Conjunctive Use Program - \$/af	712.50	788.50	\$561,806.25									
Additional Fixed Costs Charged	Units	Cost	TOTAL									
	connections	\$/unit	\$									
MWD Readiness to Serve Charge/Capacity Charge	1	823,268.73	\$823,268.73									
MWD Connection Charge	34,177	10.50	\$358,858.50									
TOTAL WATER COSTS			\$12,204,464.73									
FY 14/15 Cost of Water - \$/af			\$507.21									
LESS Prior Yr's Cost of Water - \$/af			(\$470.10)									
Increase in Cost of Water - \$/af			\$37.11									
Increase in Cost of Water - \$/ccf			\$0.09									
			\$848,181.98		\$0.08	FY14/15 Adjustment Need with Projected Expenses (Implemented Jan 2015)						
			\$892,937.11		\$0.11	FY 14/15 Adjustment Need with Actual Expenses						
			(\$44,755.13)			Actual Revenue Loss for \$0.03/ccf FY14/15						

WATER PURCHASES COSTS 2015-16					
WATER COSTS					
	21,518				
Supply Allocation	21,518				
% Groundwater	75.00%	18,216			
% Purchased	25.00%	3,301			
		3,301	af delivered		
		18,216	af		
			af		
Total Delivered		21,518	af		
CONNECTIONS	33,757				
WATER COSTS					
	Volume	Cost	TOTAL		
Commodity Charges	af	\$/af	\$		
MWD Imported Water Charge - \$/af	3,301	942.00	\$3,109,918.80		
MWD Conjunctive Use Program - \$/af	2,041	819.00	\$1,671,415.20		
RA: Pumped Water - \$/af	16,176	322.00	\$5,208,543.20		
Additional Fixed Costs Charged	Units	Cost	TOTAL		
	connections	\$/unit	\$		
MWD Readiness to Serve Charge/Capacity Charge	1	467,962.97	\$467,962.97		
MWD Capacity Charge	1	282,896.00	\$282,896.00		
MWD Connection Charge	33,757	10.85	\$366,263.45		
TOTAL WATER COSTS			\$11,106,999.62		
FY 15/16 Cost of Water - \$/af			\$516.18		
LESS Prior Yr's Cost of Water - \$/af			(\$507.21)		
Increase in Cost of Water - \$/af			\$8.97		
Increase in Cost of Water - \$/ccf			\$0.02		

WATER PURCHASES COSTS										
2016-17										
WATER COSTS										
	23,000									
Supply Allocation	23,000									
% Groundwater	75.00%	17,250								
% Purchased	25.00%	5,750								
		5,750	af delivered							
		17,250	af							
			af							
Total Delivered		23,000	af							
CONNECTIONS	33,602									
WATER COSTS										
	Volume	Cost	TOTAL							
Commodity Charges	af	\$/af	\$							
MWD Imported Water Charge - \$/af	5,750	979.00	\$5,629,250.00							
RA: Pumped Water - \$/af	17,250	402.00	\$6,934,500.00							
Additional Fixed Costs Charged	Units	Cost	TOTAL							
	connections	\$/unit	\$							
MWD Readiness to Serve Charge	1	353,148.84	\$353,148.84							
MWD Capacity Charge	1	93,900.00	\$93,900.00							
MWD Connection Charge	33,602	10.95	\$367,941.90							
TOTAL WATER COSTS			\$13,378,740.74							
FY 16/17 Cost of Water - \$/af			\$581.68							
LESS Prior Yr's Cost of Water - \$/af			(\$516.18)							
Increase in Cost of Water - \$/af			\$65.50							
Increase in Cost of Water - \$/ccf			\$0.15							

**WATER PURCHASES COSTS
2017-18**

WATER COSTS

	24,000		
Supply Allocation	24,000		
% Groundwater	68.00%	16,320	
% Purchased	32.00%	7,680	
		7,680	af delivered
		16,320	af
			af
Total Delivered		24,000	af

CONNECTIONS 34,196

IMPORT COSTS

	<u>Volume</u>	<u>Cost</u>	<u>TOTAL</u>
	af	\$/af	\$
<u>Commodity Charges</u>			
MWD Imported Water Charge - \$/af	7,680	1,027.95	\$7,894,656.00
MWD Conjunctive Use Program - \$/af			\$0.00
RA: Pumped Water - \$/af	16,320	422.10	\$6,888,672.00
Water Pumping Costs - \$/af	24,000	54.59	\$1,310,160.00
<u>Additional Fixed Costs Charged</u>	<u>Units</u>	<u>Cost</u>	<u>TOTAL</u>
	connections	\$/unit	\$
MWD Readiness to Serve Charge	1	370,806.28	\$370,806.28
MWD Connection Charge	34,196	11.50	\$393,168.51
TOTAL IMPORTED WATER COSTS			\$16,857,462.79

FY 17/18 Cost of Water - \$/af	\$702.39		
LESS Prior Yr's Cost of Water - \$/af	(\$581.68) Forecasted:	\$11,200,000	purchased water \$10,640,000.00
Increase in Cost of Water - \$/af	\$120.71	11,489,800	ccf volume sold 11,440,860
Increase in Cost of Water - \$/ccf	\$0.28	12,029,821	ccf volume produced
		27,616.67	af produced 26,264.60
		405.55	\$/af
		0.68	

28733

ccf

Rates	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	Comment	
	Approved Budget	Approved Budget	Approved Budget	Budget Projections							
MET (Import Water) per AF	\$707.50	\$750.75	\$798.25	\$850.75	\$893.25	\$923.50	\$942.00	\$979.00	\$1,027.95	From FY 11/12 to future- approx. 5% increase or use projections from MWDOC.	
MET Capacity Charge							\$282,896.00	\$93,900.00			
MET Readiness to Serve Charge	\$315,467	\$351,891	\$422,624	\$468,148	\$722,052	\$823,269	\$467,963	\$353,149	\$370,806	From FY 11/12 to future- approx. 5% increase	
MET Connection Charge	\$5.50	\$5.75	\$6.25	\$7.25	\$8.40	\$10.50	\$10.85	\$10.95	\$11.50	11/12 to 12/13- 12% increase, 12/13 to future is 5% or use projections from MWDOC.	
Conjunctive Use Program	\$607.00					\$791.25					
OCWD RA (Pumped Water) per AF	\$249	\$249	\$254	\$266	\$276	\$294	\$322	\$402	\$422	11/12 to 12/13 is 4% increase from 12/13 to future- approx. 5% increase	
Power Costs per AF	\$62	\$39	\$34	\$34	\$56	\$50	\$51.00	\$53	\$55	Reduction in FY 10/11 and so on due to lowered A/F purchased, part of energy savings program, in FY 10/11 had to shut down Lampson and Westhaven for half of year, Increase in FY 11/12 due to anticipated high electric costs with gas engine replacements	
Golden State Water Payments	\$104,816	\$14,000	\$104,816	\$104,816	\$104,816	\$104,816	\$104,816	\$104,816	\$104,816		
BEA (Basin Equity Assessment)	499	455	494	547	618	614	645	677	711		
BPP											
Pumped Water (OCWD)	62%	62%	65%	68%	70%	72%	68%	68%	68%		
Import (MET)	38%	38%	35%	32%	30%	28%	32%	32%	32%		

68292	0.0500									
		196.7492532				0.16				0.504666667 -3.95316 33.31513583
		11197				0.29				2.499692308 0.798108 52.50923077 0.576137
		1.967492532						0.037593985		
						0.02				