DRAFT Table 8-1a
Project Data for MZ3/MZ4/MZ5 Sustainability Projects¹

Project	Benefiting Management Zone	Summary of Key Project Features	New Supply (acre-ft/yr)	Capital Cost (\$)	Annualized Capital Cost (\$)	Annual O&M Cost (\$)	Other Annual Cost (\$/acre-ft)	Supplemental Water Acquisition Cost (\$)	Total Annual Cost (\$)	Unit Cost (\$/acre-ft)	Reliability of the Water Supply	Production Sustainability Score ⁴
Min General In-Lieu	3	Construct two wells and related conveyance to move non-MZ3 groundwater or imported water to the JCSD.	5,800	\$ 5,440,000	\$ 354,000	\$ 524,000	\$ -	\$ -	\$ 878,000	\$ 151	High	2
Max General In-Lieu	3	Construct four wells and related conveyance to move non-MZ3 groundwater or imported water to the JCSD.	11,600	\$ 10,640,000	\$ 692,000	\$ 1,048,000	\$ -	\$ -	\$ 1,740,000	\$ 150	High	2
Chino Hills/MVWD Exchange Project	3	Chino Hills forgoes taking Desalter I water and provides that water to the JCSD. Chino Hills makes up the exchanged supply from MZ1 groundwater production or imported water treated at the WFA plant.	2,800	\$ -	\$ -	(see note 5 below)	\$ -	\$ -	(see note 5 below)		High	2
OGRP Project ²	3	Installation of one well and extend OGRP raw water conveyance.	2,900	\$ 4,222,500	\$ 275,000	\$ -	\$ -	\$ -	\$ 275,000	\$ 95	High	2
Ont-CDA MZ3 In- Lieu ³	3	Ontario sale of 5,000 acre-ft/yr of their CDA water to the JCSD using existing connections.	5,000	\$ -	\$ -	\$ -	\$ 920	\$ -	\$ 4,600,000	\$ 920	High	2

 $^{^{1}}$ The amount and timing of in-lieu supply required to ensure sustainability is unknown.

² The total estimated costs for the well and pipeline were derived from Table 9 of the Technical Report, Ontario Groundwater Recovery Project(Carollo, 2013). The production rate was assumed to be 2,000 gpm (2,900 acre-ft/yr at an operating factor of 90%).

³ The Other Annual Cost for the CDA MZ3 In-Lieu project is the Fiscal Year 2013/14 gross cost/acre-ft for Ontario before the MWD local projects contribution. Source is Exhibit A of the June 6, 2013 CDA Special Board of Directors Meeting Agenda. Note that this cost does not reflect a credit for the avoided cost of pumping by JCSD.

⁴ The production sustainability score is a tool to characterize a project's contribution to production sustainability in areas with sustainability (a necessary but not sufficient condition of sustainability), and 2 – contributes significantly to production sustainability (a necessary but not sufficient condition of sustainability), and 2 – contributes significantly to production sustainability (a necessary but not sufficient condition of sustainability).

⁵ Annual and unit costs are unknown. The cost to produce and convey water to the JCSD could be paid for by the JCSD's avoided cost to produce and convey its own water. Some or all the cost to produce and convey the water to the JCSD would be offset by the JCSD's avoided cost to produce and convey its own water. There is possibility of no new capital cost and that this alternative could be the lowest cost production sustainability alternative.

DRAFT Table 8-1b Screening of MZ3/MZ4/MZ5 Sustainability Projects¹

Project	New Supply (acre-ft/yr)	Unit Cost (\$/acre-ft)	Capital Cost (\$)	Reliability of the Water Supply	Water Quality Challenges	Ease of Implementation
Min General In- Lieu ²	5,800	\$ 151	\$ 5,440,000	High	None ²	b
Max General In- Lieu ²	11,600	\$ 150	\$ 10,640,000	High	None ²	b
Chino Hills/MVWD Exchange Project	2,800	(See note 5	on Table 8-1a)	High	None ²	d
OGRP Project	2,900	\$ 95	\$ 4,222,500	High	None	С
Ont-CDA MZ3 In- Lieu	5,000	\$ 920	\$ -	High	None	а

 $^{^{1}\,}$ The amount and timing of in-lieu supply required to ensure sustainability is unknown.

- b Requires an agreement between the JCSD and others to construct, operate, and pay for the improvements.
- c Requires an agreement with non-Watermaster Parties that are adversarial to the project to cover VOC treatment costs and is dependent on grant funding.
- d Requires an agreement between the City of Chino Hills, the MVWD, the CDA, and the JCSD.

² The water supplied will be wheeled through adjacent agency's water system where it is assumed that the water will already be potable. The new wells associated with this project will presumably be sited to avoid water quality challenges and may in fact provide water quality benefits to the source agency. That said, future groundwater degradation could occur necessitating treatment.

³ Assumes that the water supply cost is offset by the JCSD's avoided production and annual transfer of an equal amount of water from their own production rights.

a - Requires an agreement between the City of Ontario and the JCSD. Ontario's position is that they will need to be compensated for their cost of the water.

DRAFT Table 8-1c
Ranked MZ3/MZ4/MZ5 Sustainability Projects

Project	New Supply (acre-ft/yr)	Unit Cost (\$/acre-ft)	Capital Cost (\$)
Recommended Projects		,	
Min General In-Lieu	5,800	\$ 151	\$ 5,440,000
Total of Recommended Projects	Up to 5,800	\$ 151	\$ 5,440,000
Other Projects			
Chino Hills/MVWD Exchange Project ¹	2,800	Unknown	Unknown
OGRP Project	2,900	\$ 95	\$ 4,222,500
Max General In-Lieu	11,600	\$ 150	\$ 10,640,000
Ont-CDA MZ3 In-Lieu	5,000	\$ 920	\$ -

¹ Annual and unit costs are unknown. The cost to produce and convey water to the JCSD could be paid for by the JCSD or some other arrangement that could involve the Watermaster. Some or all the cost to produce and convey the water to the JCSD would be offset by the JCSD's avoided cost to produce and convey its own water. There is possibility of no new capital cost and that this alternative could be the lowest cost production sustainability alternative.

DRAFT Table 8-2a Project Data for Yield Enhancement Projects

										rı.	ojeci Data	a for Yield Ei	illianceme	iii Project	3																	
									Storm Water Recha	rge						Recyclo	ed Water Recharge	e					Importe	d Water Recharge					All Recharge			
Project ID Project Combinations	Group ¹	Project	Man. Zone	Summary of Key Project Features		y Baseline Storm	New Storm Constru Water Recharge (acre-ft/yr) Compl	Project Complete		Annualized Capital Cost (\$)	Annual O&M Cost (\$)		Storm Water Recharge Unit Cost ²		Pacyclad Water		Annualized Capital Cost (\$)	Annual O&M Cost (\$)	Total Annual Cost (\$)	Recycled Water N Recharge Unit Water Cost ²	ater Recharge	orted Water (Capital Cost (\$)	apital Cost	Cost		nported Water Recharge Unit	otal New Storm and Supplemental Water (acre- ft/vr)	Total Capital Cos (\$)	Total Unit Co of All New Recharge	w Benefit	Production Sustainability Score ⁵
											Proposed Pro	ojects in Table 6-1 t	that Were Analyze	ed in Detail														10, 91,				
1	i	Montclair Basins		Transfer water between Montclair Basins and deepen MC 4	N	1,188 1,188	71 N	N	\$ 5,450,000	\$ 354,500	\$ 2,631	\$ 357,131	\$ 4,997	0	\$ -	\$ - !	\$ - \$	\$ - \$	-	; -	0 \$	- \$	- \$	- \$	- \$	- \$	- 1	71	\$ 5,45		,997	0
1a	i i	Montclair Basins Montclair Basins		Transfer water between Montclair Basins and deepen MC 4 New drop inlet structures to MC 2 and MC 3	N N	1,188 1,188	71 N	N	\$ 5,050,000 \$ 1,440,000		\$ 2,631 \$ 9.132	331,131 2 \$ 102,832	\$ 4,633	0	\$ -	\$ - !	\$ - \$	\$ - \$	-	- -	0 \$	- \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	-	71		50,000 \$ 4,6 40,000 \$,633 ,415	0
3	i	Montclair Basins		Automate inlet to MC 1 ⁶	N	1,188	0 N	N	\$ 50,000		, -			0	\$ -	\$ - !	\$ - \$	\$ - \$	-	-	0 \$	- \$	- \$	- \$	- \$	- \$	- 7	0		50,000 \$	- Y ¹⁹	0
4	i	Montclair Basins	1	Construct low-level drains from Basin 1 to 2 and 2 to 3	N	1,188	0 1	N	\$ 790,000	· · · · · · · · · · · · · · · · · · ·	\$ -	\$ 51,400		0	\$ -	\$ - !	\$ - \$	\$ - \$	-	-	0 \$	- \$	- \$	- \$	- \$	- \$	-	0	\$ 79	90,000 \$	-	0
5 5a	i i	North West Upland Basin North West Upland Basin		Increase drainage area and basin enlargement Increase drainage area and basin enlargement	N N	29	93 N	N N	\$ 5,490,000 \$ 4,640,000	, ,					\$ -	\$ - !	\$ - \$ \$ - \$	- \$ \$ - \$			0 \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$		93			,858 ,266	0
6	i	Princeton Basin		Basin enlargement and increased drainage area ²²	N	48	0 0	N	\$ -	\$ -	\$ -	\$ -	#DIV/0!	0	\$ -	\$ - !	\$ - \$	\$ - \$	-	\$ -	0 \$	- \$	- \$	- \$	- \$	- \$	-	0	\$	- \$	-	0
7	ii	San Sevaine Basins	2	Construct pump station, pump water from SS 5 to SS 3, and construct internal berm in SS 5	7 Y	1,177	642 N	N	\$ 1,775,000	\$ 115,500	\$ 23,641	\$ 139,141	\$ 217	1,911	\$ 372,645	\$ 1,775,000	\$ 115,500 \$	\$ 45,311 \$	5 533,456	\$ 279	0 \$	- \$	- \$	- \$	- \$	- \$	-	2,553	\$ 3,55	50,000 \$ 2	263	0
8	ii	San Sevaine Basins	2	Extend IEUA recycled water pipeline to SS 3 and construct internal berm in SS 5 ⁷	Y	1,177	345 N	N	\$ 1,310,000	\$ 85,200	\$ 12,719	\$ 97,919	\$ 283	1,911	\$ 372,645	\$ 1,310,000	\$ 85,200 \$	\$ 45,311 \$	503,156	\$ 263	0 \$	- \$	- \$	- \$	- \$	- \$	-	2,256	\$ 2,62	20,000 \$ 2	266	0
9	i	San Sevaine Basins		Construct internal berms in SS 1 and SS 2 and install a gate between SS 1 and SS 2	N	1,177	0	N	\$ 300,000	\$ 19,500	\$ -	\$ 19,500	\$ -	0	\$ -	\$ - !	\$ - \$	\$ - \$	-	· -	0 \$	- \$	- \$	- \$	- \$	- \$	- /	0		00,000 \$	- Y ²⁰	0
10 11	i i	San Sevaine Basins Victoria Basin		Increase CB13T capacity and power supply Abandon the mid-level outlet and extend the lysimeters	N Y	1,177 439	0 N	N N	\$ - \$ 75,000	\$ -	\$ - \$ 1,576	\$ - 5 \$ 6,476	\$ - \$ 151	120	\$ -	\$ - 5	\$ - \$ \$ 4.900 \$	\$ - \$ \$ 2.845 \$	31.145	5 -	1,235 \$	766,935 \$	1,980,000 \$	128,800 \$	29,283 \$	925,018 \$	749	1,235 163	\$ 1,98	30,000 \$ 7 50,000 \$ 2	749 231	0
12	ii	Lower Day Basin (2010 RMPU)		Inlet improvements, rebuilding embankment, elimination of mid-level outlet	N	395	789 N	N	\$ 2,480,000	\$ 161,300	\$ 29,041	\$ 190,341	\$ 241	0	\$ -	\$ - !	\$ - \$	\$ - \$	5 -	5 -	0 \$	- \$	- \$	- \$	- \$	- \$	-	789	\$ 2,48	30,000 \$ 2	241	0
13	ii :	Lower Day Basin		Install gate on mid-level outlet	N	395	75 N	N	\$ 600,000					0	\$ -	\$ - !	\$ - \$	\$ - \$	-	-	0 \$	- \$	- \$	- \$	- \$	- \$	-	75		00,000 \$ 5	554	0
14 15	i i	Turner Basin Ely Basin		Raise Turner 2 spillway ⁸ Basin enlargement and increased drainage area	N N	1,226 1,103	221 N	N N	\$ 890,000 \$ 9,120,000		, , ,			5 0	\$ -	\$ - !	\$ - \$ \$ - \$	\$ - \\$ \$ - \\$		- 5 -	0 \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	-	221		90,000 \$ 9 20,000 \$ 2,7	,726	0
1 5a	i	Ely Basin		Basin enlargement and increased drainage area	N	1,103	221 N	N	\$ 3,200,000	\$ 208,200	\$ 8,122	2 \$ 216,322	\$ 981	0	\$ -	\$ - !	\$ - \$	\$ - \$	-	-	0 \$	- \$	- \$	- \$	- \$	- \$	- 7	221	\$ 3,20	00,000 \$	981	
16 17	i	Ontario Bioswale Project Lower San Sevaine Basin (2010 RMPU)	2	New bioswale New basin	N	0	8 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Y	\$ 650,000 \$ 22,715,000	· · · · · · · · · · · · · · · · · · ·		7 72,377		0 7 500	\$ -	\$ - ! \$ 22.715.000	\$ - \$ \$ 1.477.600 \$	\$ - \$ \$ 11.855 \$	1.586.955	5 - 5 3.174	0 \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	-	8 1,721		50,000 \$ 5 30,000 \$ 1,8	807	0
17a	i	Lower San Sevaine Basin (2010 RMPU)		New basin	Y	0	1,221 N	N	\$ 11,275,000	733,500	\$ 44,947	7 \$ 778,447	\$ 638	500	\$ 97,500		, , , , , , , , ,	, , , , , , , , , , , , , , , , , , , ,	842,855	\$ 1,686	0 \$	- \$	- \$	- \$	- \$	- \$	- 7	1,721	\$ 22,55	50,000 \$	942	0
18 18a	i i	CSI Storm Water Basin CSI Storm Water Basin		Deepen basin by 10 feet Deepen basin by 10 feet	N N	72 72	81 N	N N	\$ 900,000 \$ 440,000					-	\$ - \$ -	\$ - ! \$ - !	\$ - \$ \$ - \$	\$ - \$ \$ - \$	5 - 5 -	5 - 5 -	0 \$ 0 \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	-	81 81		00,000 \$ 7 40,000 \$ 3	755 388	0 0
19	iii	Wineville Basin (2010 RMPU)		Gate the low-elevation outlet, replace embankment with dam, and construct a pneumatic gate on the spillway ⁹	Y	5	2,157 N	N	\$ 3,140,000	\$ 204,300	\$ 79,438	\$ 283,738	\$ 132	630	\$ 122,850	\$ 3,140,000	\$ 204,300 \$	\$ 14,938 \$	342,088	5 543	0 \$	- \$	- \$	- \$	- \$	- \$	- 7	2,787	\$ 6,28	30,000 \$ 2	225	2
19a	iii	Wineville Basin (2010 RMPU)	3	Gate the low-elevation outlet, replace embankment with dam, and construct a pneumatic gate on the spillway ⁹	Y	5	2,157 N	N	\$ 2,445,000	\$ 159,100	\$ 79,438	3 \$ 238,538	\$ 111	630	\$ 122,850	\$ 2,445,000	\$ 159,100 \$	\$ 14,938 \$	296,888	\$ 471	0 \$	- \$	- \$	- \$	- \$	- \$	- /	2,787	\$ 4,89	90,000 \$ 1	192	2
20	iii 	Jurupa Basin	3	Inlet improvements and CB-18 turnout modifications	N	234	421 N	N	\$ 1,900,000		\$ 15,516	\$ 139,116	\$ 330	0	\$ -	\$ - !	\$ - \$	\$ - \$	-	-	0 \$	- \$	- \$	- \$	- \$	- \$	-	421		00,000 \$ 3	330 γ ²¹	2
21 21a	ii	RP3 Basin Improvements (2010 RMPU) RP3 Basin Improvements (2010 RMPU)		Inlet improvements and enlargement Inlet improvements and enlargement	N N	628 628	406 N	N N	\$ 22,044,000 \$ 13,464,000	, , , , , , , , , , , , , , , , , , , ,					\$ -	\$ - !	\$ - \$ \$ - \$; ; ;			0 \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$		406 406		,	,573 ,197	2
22	ii, iii	RP3 Basin Improvements (2013 RMPU)		Increase conservation storage ¹⁰	Y	628	137 N	N	\$ 2,645,000	\$ 172,100	\$ 5,062	2 \$ 177,162	\$ 1,289		\$ 566,475			\$ 68,879 \$			0 \$	- \$	- \$	- \$	- \$	- \$	-	3,042		γο,οοο γ	324	2
22a	ii, iii	RP3 Basin Improvements (2013 RMPU) 2013 RMPU Proposed Wineville PS to Jurupa, Expanded	3	Increase conservation storage ¹⁰	Y	628	137 N	N	\$ 1,855,000	\$ 120,700	\$ 5,062	2 \$ 125,762	\$ 915	2,905	\$ 566,475	\$ 1,855,000	\$ 120,700 \$	\$ 68,879 \$	756,054	\$ 260	0 \$	- \$	- \$	- \$	- \$	- \$	-	3,042	\$ 3,71	10,000 \$ 2	290	2
23 Includes PID's 19,20,22	iv	Jurupa PS to RP3 Basin with 2013 Proposed RP3 Improvements	3	2010 RMPU Proposed Wineville Basin Improvements, Wineville 20 cfs PS to Jurupa, Improved Jurupa Basin Inlet, 40 cfs PS to RP3 Basin with Proposed 2013 RMPU RP3	Υ	867	3,166 N	N	\$ 11,662,000	5 758,600	\$ 311,014	\$ 1,069,614	\$ 338	3,535	\$ 689,325	\$ 11,662,000	\$ 758,600 \$	\$ 83,817 \$	\$ 1,531,742	\$ 433	0 \$	- \$	- \$	- \$	- \$	- \$	-	6,701	\$ 23,32	24,000 \$ 3	388	2
23a Includes PID's 19,20,22	iv	2013 RMPU Proposed Wineville PS to Jurupa, Expanded Jurupa PS to RP3 Basin with 2013 Proposed RP3 Improvements	2	2010 RMPU Proposed Wineville Basin Improvements, Wineville 20 cfs PS to Jurupa, Improved Jurupa Basin Inlet, 40 cfs PS to RP3 Basin with Proposed 2013 RMPU RP3	Y	867	3,166 N	N	\$ 10,657,000	\$ 693,300	\$ 311,014	\$ 1,004,314	\$ 317	3,535	\$ 689,325	\$ 10,657,000	\$ 693,300 \$	\$ 83,817 \$	\$ 1,466,442	\$ 415	0 \$	- \$	- \$	- \$	- \$	- \$	-	6,701	\$ 21,31	14,000 \$	369	2
24	i	Vulcan Pit	3	Construct new inflow and outflow structures ¹¹	Υ	0	857 N	N	\$ 13,850,000	\$ 901,000	\$ 31,548	932,548	\$ 1,088	840	\$ 163,800	\$ 13,850,000	\$ 901,000 \$	\$ 19,917 \$	\$ 1,084,717	\$ 1,291	0 \$	- \$	- \$	- \$	- \$	- \$	-	1,697	\$ 27,70	00,000 \$ 1,1	,189	1
25	i	Sierra		Deepen basin by 10 feet	N	12	64 N	N	\$ 1,000,000	,	-/				\$ -	\$ - !	\$ - \$	- \$	-	-	0 \$	- \$	- \$	- \$	- \$	- \$	- /	64			,056	1
25a 26	i i	Sierra Sultana Avenue		Deepen basin by 10 feet Deepen basin by 10 feet	N N	12 89	7 N	N N	\$ 490,000 \$ 1,026,200						\$ -	\$ - !	\$ - \$ \$ - \$	\$ - \\$ \$ - \\$		- 5 -	0 \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	- \$ - \$	-	7			536 ,556	1
26a	i	Sultana Avenue	3	Deepen basin by 10 feet	N	89	7 N	N	\$ 502,200	\$ 32,700	\$ 258	32,958	\$ 4,697	0	\$ -	\$ - !	\$ - \$	·	-	-	0 \$	- \$	- \$	- \$	- \$	- \$	-	7	\$ 50	02,200 \$ 4,6	,697	1
27	i	Declez Basin	3	Reconstruct existing embankment and install a gate on the low level outlet 12	N	674	241 N	N	\$ 4,070,000	264,800		7 \$ 273,677 Operations and N	•	5 0	\$ -	\$ - :	\$ - \$	\$ - \$	-	-	0 \$	- \$	- \$	- \$	- \$	- \$		241	\$ 4,07	70,000 \$ 1,1	,135	2
28	ii	Banana Basin (annual cleaning)	3	Increase frequency of basin maintenance	Y	317	11	N			\$ 3,183			130	\$ 25,350	s -	ء ۔ د	\$ 38,159 \$	63,509	5 489	0 \$	- 4	_ \$	_ <	- ¢	-		141		\$	474	0
			, , , , , , , , , , , , , , , , , , ,	(Increased infiltration rate to 0.6 ft/day) Increase frequency of basin maintenance													,				, J	y	7	7	7	7						
29	ii	Banana Basin (semiannual cleanings)	3	(Increased infiltration rate to 0.72 ft/day)	Υ	317	31 N	N			\$ 15,192	2 \$ 15,192	\$ 495	155	\$ 30,225	\$ - !	\$ - \$	\$ 76,744 \$	106,969	\$ 690	0 \$	- \$	- \$	- \$	- \$	- \$	- 7	186		\$	658	0
30	ii	Declez Basin (annual cleaning)	3	Increase basin maintenance frequency (Increased infiltration rate to 0.66 ft/day)	Υ	674	16 N	N			\$ 6,537	\$ 6,537	\$ 409	178	\$ 34,710	\$ - !	\$ - \$	\$ 72,735 \$	107,445	\$ 604	0 \$	- \$	- \$	- \$	- \$	- \$	-	194		\$	588	0
31	ii	Declez Basin (semiannual cleanings)	3	Increase basin maintenance frequency	Υ	674	47 N	N			\$ 32,923	3 \$ 32,923	\$ 701	210	\$ 40,950	\$ - !	s - s	\$ 147,109 \$	188,059	\$ 896	0 \$	- \$	- \$	- \$	- \$	- \$. /	257		\$	860	0
32	ii	Ely Basin (annual cleaning)	2	(Increased infiltration rate to 0.78 ft/day) Increase maintenance frequency	Y	1,103	44	N			\$ 29,450				\$ 42,315		\$ - \$	\$ 144,868 \$	·	\$ 863	0 \$	- \$	- \$	- \$	- \$	- \$	-	261		\$	830	0
33	::	Ely Basin (semiannual cleanings)	2	(Increased infiltration rate to 0.27 ft/day) Increase maintenance frequency	V		128 N	N			\$ 127,949			258				\$ 257,342 \$		1 102	0 6			· c				386		6 1	120	0
			2	(Increased infiltration rate to 0.33 ft/day) Increase frequency of basin maintenance	ı ı	1,103	120								\$ 50,310		· · ·			\$ 1,192	0 3	- 5	- 5	- Ş	- 5	- ş					,128	0
34	ii	Hickory Basin (annual cleaning)	2	(Increased infiltration rate to 0.44 ft/day)	Y	353	7	N			\$ 3,812	2 \$ 3,812	\$ 518	148	\$ 28,860	\$ - !	\$ - \$	\$ 76,622 \$	5 105,482	713	0 \$	- \$	- \$	- \$	- \$	- \$	-	155		\$ 7	703	0
35	ii	Hickory Basin (semiannual cleanings)	2	Increase frequency of basin maintenance (Increased infiltration rate to 0.52 ft/day)	Y	353	20	N			\$ 17,640	\$ 17,640	\$ 877	175	\$ 34,125	\$ - !	\$ - \$	\$ 153,435 \$	187,560	\$ 1,072	0 \$	- \$	- \$	- \$	- \$	- \$	- 1	195		\$ 1,0	,052	0
,				Destruction of the best of the							Proposed	Projects in Table 6-	-1 that Were Not	Analyzed			1		1													
36		Turner Expansion	2	Basin improvements to the basins east of Archibald Ave and new basins adjacent to Turne 4^{14}																												
37		Upland Basin		Construct low level drain ¹⁵																												
38		College Heights		Construct internal berms to reduce seepage to the Upland basin ¹⁶																												
39		Lower Cucamonga Basin		Basin enlargement for distribution ¹⁷ Capture water in MZ-2 and 3 basins low in the system and pump to basins higher in the																												
40		Management Zones 2 and 3 Capture, Pump and Recharge	e 2,3	system ¹⁷																												
41		Jurupa Basin	3	Inlet improvements and basin enlargement ¹⁷																												
42 43		RP3 Basins Alder Basin	3	Inlet improvements ¹⁸ Deepen basin ¹⁷																												
13		Aluci Dasili	3	Deepell Dabili																												

¹ The project group column was created to determine the total yield from different combinations of projects. The group was determined as follows: i- the project can be standalone but is also included in a multi-project scenario; iv- the project is included in a "iii" group.

In project group column was created to determine the total yield from different combinations of projects. The group was determined as follows: I- the project can be standalone; II- the project is mutually exclused an estimate of the cost per acre-ft of recharge. These estimates are reconnaissance level (level 5) estimates, and additional technical work needs to be done to assure feasibility.

The IEUA recycled water recharge rate was assumed to be \$195/acre-ft per Table 2-9.

4 The MWD imported water recharge rate was assumed to be untreated Tier 1 Service at a price of \$621 an acre-ft per Table 2-9.

5 The production sustainability score is a tool to characterize a project's contributes minimally to production sustainability; 1 – contributes minimally to production sustainability; 2 – contributes significantly to production sustainability (a necessary and sufficient condition of sustainability).

⁶ The automation of the inlet gate and flume data to MC 1 results in a reduction of O&M.

With a 40-percent RWC limitation, an additional 1,911 acre-ft/yr of recycled water can be recharged.

The baseline for the Turner 2 Spillway Project and the Turner Expansion includes the recharge from Turner 1, 2, 3, and 4.

Ine baseline for the Turner 2 Spillway Project and the Turner Expansion includes the recharge from Turner 1, 2, 3, and 4.

The results from the Wineville proof-of-concept project may render the project infeasible. Recycled water recharge was estimated to be 630 acre-ft/yr, assuming an infiltration rate of 0.10 ft/day over 30 acres.

10 The maximum amount of recycled water that can be recharged is 12,800 acre-ft/yr at RP3. *

11 Recycled water, recharge based upon an estimated 0.1 ft/day infiltration at 40-acres for 7-months of operations. Actual RWC is unknown; recharge based upon an assumed RWC at 25

11 Recycled water recharge based upon an estimated 0.1 ft/day infiltration at 40-acres for 7-months of operations. Actual RWC is unknown; recharge based upon an assumed RWC at 25% with the following flows: 840 AFY storm water, 1,800 AFY underflow, and diluent water the same at Banana Basin. The project includes the price of land at \$14 million.

12 Recycled water recharge operations will not benefit from the increased operating level. *

13 Based on available information, it can be assumed that basin infiltration can be increased 10 to 20% with annual cleaning and 20 to 50 % with cleaning twice a year. Field data needs to be established to determine optimum cleaning frequencies per basin.

14 The Turner Pagin available information, it can be assumed that basin infiltration can be increased 10 to 20% with annual cleaning and 20 to 50 % with cleaning twice a year. Field data needs to be established to determine optimum cleaning frequencies per basin.

The Turner Basin expansion project was not included because it is currently under construction.
 The Upland Basin Project was removed by the IEUA because the basin performs well, and limited cleaning is needed.

The College Heights project does not affect stormwater recharge.
 The projects did not pass the screening criteria and were not considered.

The projects did not pass the screening criteria and were not considered.

18 The estimated total stormwater recharge gained by the 2010 RMPU RP3 inlet improvement is comparable to the currently achievable stormwater recharge at RP3 due to enhance stormwater recharge efforts by IEUA.

19 Reduces the amount of lost water due to basin inlet constraints and clogging.

Will increase the amount of time water can be recharged in SS-1 by solving the vector control issues.

21 Will allow the Jurupa Basin to accept an additional 15 cfs from the CB 18 if Hickory and Banana Basins were offline.

The SBCFCD did not allow the City of Ontario to connect the new 5th Street storm drain to the Princeton Basin. The Secret made the improvement infeasible. The City of Ontario connected the 60" storm drain to the Princeton Basin. This information was not presented until after the model runs and cost estimates were completed.

a - The project includes excavation costs, and the capital cost shown assumes that the project's excavation costs would be reduced by 90%. The material excavated could be used for another construction site or leased to a mining operator.

DRAFT Table 8-2b Screening of Yield Enhancement Projects

1 Montclair Basins 1 \$ 5,450,000 \$ 334,500 \$ 2,644 \$ 337,144 71 0 \$ 4,634 \$ 3 \$ 4,400 \$ 3 \$ 3 \$ 4,400 \$ 3 \$ 3,400 \$ 3,28,500 \$ 2,644 \$ 337,144 71 0 \$ 4,634 \$ 3 \$ 4,400 \$ 3 \$ 3 \$ 4,400 \$ 3 \$ 3,200	Project ID	Project	Management		Capital Cost	Anı	nualized Capital Cost	Ann	ual O&M Cost	To	tal Annual Cost	New Yield	Recycled	Init Cost	Water Quality	Institutional
Montchair Basins	110,000.15	. rojeti	Zone		capital cost				(\$)		(\$)	new new	Water	6036	Challenges	Challenges
2	1	Montclair Basins	1	\$			354,500		2,644	\$	357,144	71		4,997		С
3	1a															С
# Montclair Basins	2	Montclair Basins	1	\$					9,176		102,876	248	0	\$ 415		С
S	3	Montclair Basins							-				0			С
San North West Upland Basin 1 \$ 4,640,000 \$ 30,1000 \$ 3,458 \$ 305,258 93 0 \$ 3,267 \$ 6 \$ 6 Princeton Basin 2 \$ 5 - \$ 5 - \$ - \$ 0 0 0 - \$ 6 \$ 6 \$ 6 \$ 6 \$ 6 \$ 7 \$ 5 \$ 6 \$ 6 \$ 7 \$ 6 \$ 6 \$ 7 \$ 6 \$ 7 \$ 5 - \$ 6 \$ 6 \$ 7 \$ 6 \$ 7 \$ 6 \$ 7 \$ 6 \$ 7 \$ 7 \$ 5 \$ 7 \$ 7 \$ 7 \$ 5 \$ 7	4								-		,					С
6 Princeton Basin 2 S S S S S S S S S	5															c, g
San Sevaine Basins	5a	•			4,640,000		301,800		3,458		305,258			\$ 3,267		c, g
8	6	Princeton Basin	2		-	\$	-		-		-	0	0			С
9 San Sevaine Basins 2 \$ 300,000 \$ 19,500 \$ - \$ 128,800 0 0 0 -	7	San Sevaine Basins					,					-	•			c, e, f
San Sevaine Basins	8	San Sevaine Basins		-					12,781				,-	\$ 530		c, e
11	9	San Sevaine Basins					,		-		,					С
Lower Day Basin (2010 RMPU) 13	10			-									-			С
133 Lower Day Basin 2 \$ 600,000 \$ 39,000 \$ 2,791 \$ 41,791 75 0 \$ 5,554 0 0 14 Turner Basin 2 \$ 890,000 \$ 57,900 \$ 2,438 \$ 60,338 66 0 \$ 916 0 0 15 158 Ely Basin 2 \$ 9,120,000 \$ 208,200 \$ 8,162 \$ 601,462 221 0 \$ 2,727 b 158 Ely Basin 2 \$ 3,700,000 \$ 208,200 \$ 8,162 \$ 216,362 221 0 \$ 9,2727 b 159 15	11	Victoria Basin						-						151		c, e, f
Turner Basin 2 \$ 8,00,000 \$ 57,900 \$ 2,438 \$ 60,338 66 0 \$ 9,916 0 60	12															С
15	13	,											0			С
Ely Basin	14			٠.												С
16	15	Ely Basin				\$,				b	
17	15a	Ely Basin	2	\$	3,200,000	\$	208,200	\$	8,162	\$	216,362	221	0	\$ 981	b	
17a Lower San Sevaine Basin (2010 RMPU) 2 \$ 22,550,000 \$ 1,466,900 \$ 45,165 \$ 1,512,065 1,221 500 \$ 1,239 0, 188 CSI Storm Water Basin 3 \$ 440,000 \$ 28,600 \$ 3,012 \$ 31,612 \$ 81 0 \$ 756 b \$ 8 \$ 19 Wineville Basin (2010 RMPU) 3 \$ 6,280,000 \$ 408,500 \$ 79,824 \$ 488,324 2,157 630 \$ 226 b \$ 19 Wineville Basin (2010 RMPU) 3 \$ 4,890,000 \$ 138,000 \$ 15,591 \$ 139,191 421 0 \$ 330 \$ 10 \$ 330 \$ 10 \$	16	Ontario Bioswale Project	2	\$	650,000	\$	42,300	\$	279	\$	42,579	8	0	\$ 5,652		
18	17	Lower San Sevaine Basin (2010 RMPU)	2	\$	45,430,000	\$	2,955,300	\$	45,165	\$	3,000,465	1,221	500	\$ 2,458		d, e
18a	17a	Lower San Sevaine Basin (2010 RMPU)	2	\$	22,550,000	\$	1,466,900	\$	45,165	\$	1,512,065	1,221	500	\$ 1,239		d, e
19	18	CSI Storm Water Basin	3	\$	900,000	\$	58,500	\$	3,012	\$	61,512	81	0	\$ 756	b	g
19a Wineville Basin (2010 RMPU) 3 \$ 4,890,000 \$ 318,100 \$ 79,824 \$ 397,924 2,157 630 \$ 184 b 20	18a	CSI Storm Water Basin	3	\$	440,000	\$	28,600	\$	3,012	\$	31,612	81	0	\$ 388	b	g
20 Jurupa Basin 3 \$ 1,900,000 \$ 123,600 \$ 15,591 \$ 139,191 421 0 \$ 330 21 RP3 Basin Improvements (2010 RMPU) 3 \$ 22,044,000 \$ 1,434,000 \$ 15,004 \$ 1,449,004 406 0 \$ 3,573 21a RP3 Basin Improvements (2013 RMPU) 3 \$ 13,464,000 \$ 1875,900 \$ 15,004 \$ 890,904 406 0 \$ 3,573 22 RP3 Basin Improvements (2013 RMPU) 3 \$ 2,645,000 \$ 172,100 \$ 5,087 \$ 177,187 137 2,905 \$ 1,289 10 22a RP3 Basin Improvements (2013 RMPU) 3 \$ 2,645,000 \$ 120,700 \$ 5,087 \$ 125,787 137 2,905 \$ 1,289 10 23a 2013 RMPU Proposed Wineville PS to Jurupa, Expanded Jurupa PS to RP3 Basin with 2013 Proposed RP3 Improvements 3 \$ 21,314,000 \$ 1,386,500 \$ 311,014 \$ 1,828,314 3,166 3,535 \$ 577 \$ d, d, with 2013 Proposed RP3 Improvements 3 \$ 21,314,000 \$ 1,386,500 \$ 311,014 \$ 1,697,514 3,166 3,535 \$ 536 d, d, with 2013 Proposed RP3 Improvements 3 \$ 27,700,000 \$ 1,801,900 \$ 31,701 \$ 1,833,601 857 840 \$ 2,140 b d, e 4 4 4 4 4 4 4 4 4	19	Wineville Basin (2010 RMPU)	3	\$	6,280,000	\$	408,500	\$	79,824	\$	488,324	2,157	630	\$ 226	b	
21	19a	Wineville Basin (2010 RMPU)	3	\$	4,890,000	\$	318,100	\$	79,824	\$	397,924	2,157	630	\$ 184	b	
RP3 Basin Improvements (2010 RMPU) 3 \$ 13,464,000 \$ 875,900 \$ 15,004 \$ 890,904 406 0 \$ 2,197	20	Jurupa Basin	3	\$	1,900,000	\$	123,600	\$	15,591	\$	139,191	421	0	\$ 330		
22	21	RP3 Basin Improvements (2010 RMPU)	3	\$	22,044,000	\$	1,434,000	\$	15,004	\$	1,449,004	406	0	\$ 3,573		
22a RP3 Basin Improvements (2013 RMPU) 3 \$ 1,855,000 \$ 120,700 \$ 5,087 \$ 125,787 137 2,905 \$ 915 14	21a	RP3 Basin Improvements (2010 RMPU)	3	\$	13,464,000	\$	875,900	\$	15,004	\$	890,904	406	0	\$ 2,197		
233	22	RP3 Basin Improvements (2013 RMPU)	3	\$	2,645,000	\$	172,100	\$	5,087	\$	177,187	137	2,905	\$ 1,289		f
23 Jurupa, Expanded Jurupa PS to RP3 Basin with 2013 Proposed RP3 Improvements 3 \$ 23,324,000 \$ 1,517,300 \$ 311,014 \$ 1,828,314 3,166 3,535 \$ 577 d,	22a	RP3 Basin Improvements (2013 RMPU)	3	\$	1,855,000	\$	120,700	\$	5,087	\$	125,787	137	2,905	\$ 915		f
3 \$ 21,314,000 \$ 1,386,500 \$ 311,014 \$ 1,697,514 3,166 3,535 \$ 536 d,	23	Jurupa, Expanded Jurupa PS to RP3 Basin	3	\$	23,324,000	\$	1,517,300	\$	311,014	\$	1,828,314	3,166	3,535	\$ 577		d, e
25 Sierra 3 \$ 1,000,000 \$ 65,100 \$ 2,362 \$ 67,462 64 0 \$ 1,057 \$ 25 25a Sierra 3 \$ 490,000 \$ 31,900 \$ 2,362 \$ 34,262 64 0 \$ 537 8 26 Sultana Avenue 3 \$ 1,026,200 \$ 66,800 \$ 260 \$ 67,060 7 0 \$ 9,556 8 26a Sultana Avenue 3 \$ 502,200 \$ 32,700 \$ 260 \$ 32,960 7 0 \$ 4,697 8 27 Declez Basin 3 \$ 4,070,000 \$ 264,800 \$ 8,920 \$ 273,720 241 0 \$ 1,135 28 Banana Basin (annual cleaning) 3 \$ 4,070,000 \$ 264,800 \$ 8,920 \$ 273,720 241 0 \$ 1,135 29 Banana Basin (semiannual cleanings) 3 \$ 4,070,000 \$ 264,800 \$ 8,920 \$ 273,720 241 0 \$ 1,135 \$ 495	23a	Jurupa, Expanded Jurupa PS to RP3 Basin	3	\$	21,314,000	\$	1,386,500	\$	311,014	\$	1,697,514	3,166	3,535	\$ 536		d, e
25a Sierra 3 \$ 490,000 \$ 31,900 \$ 2,362 \$ 34,262 64 0 \$ 537 26 26 Sultana Avenue 3 \$ 1,026,200 \$ 66,800 \$ 260 \$ 67,060 7 0 \$ 9,556 26 26 Sultana Avenue 3 \$ 502,200 \$ 32,700 \$ 260 \$ 32,960 7 0 \$ 4,697 27 Declez Basin 3 \$ 4,070,000 \$ 264,800 \$ 8,920 \$ 273,720 241 0 \$ 1,135 29 Banana Basin (annual cleaning) 3 3 3 3 3 3 3 3 3	24	Vulcan Pit	3	\$	27,700,000	\$	1,801,900	\$	31,701	\$	1,833,601	857	840	\$ 2,140	b	d, e, g
25a Sierra 3 \$ 490,000 \$ 31,900 \$ 2,362 \$ 34,262 64 0 \$ 537 26 26 Sultana Avenue 3 \$ 1,026,200 \$ 66,800 \$ 260 \$ 67,060 7 0 \$ 9,556 26 26 Sultana Avenue 3 \$ 502,200 \$ 32,700 \$ 260 \$ 32,960 7 0 \$ 4,697 27 Declez Basin 3 \$ 4,070,000 \$ 264,800 \$ 8,920 \$ 273,720 241 0 \$ 1,135 28 Banana Basin (annual cleaning) 3 31 155 \$ 495 \$ 495 \$ 34,000 \$	25	Sierra	3	\$	1,000,000	\$	65,100	\$	2,362	\$	67,462	64	0	\$ 1,057		g
26 Sultana Avenue 3 \$ 1,026,200 \$ 66,800 \$ 260 \$ 67,060 7 0 \$ 9,556 \$ 263 26a Sultana Avenue 3 \$ 502,200 \$ 32,700 \$ 260 \$ 32,960 7 0 \$ 4,697 \$ 260 \$ 260 \$ 32,960 7 0 \$ 4,697 \$ 260	25a	Sierra	3	\$	490,000	\$	31,900	\$	2,362	\$	34,262	64	0	\$ 537		g
26a Sultana Avenue 3 \$ 502,200 \$ 32,700 \$ 260 \$ 32,960 7 0 \$ 4,697 9 27 Declez Basin 3 \$ 4,070,000 \$ 264,800 \$ 8,920 \$ 273,720 241 0 \$ 1,135 28 Banana Basin (annual cleaning) 3 11 130 \$ 294 29 Banana Basin (semiannual cleanings) 3 31 155 \$ 495	26	Sultana Avenue	3		1,026,200	\$			260	\$		7		9,556		g
27 Declez Basin 3 \$ 4,070,000 \$ 264,800 \$ 8,920 \$ 273,720 241 0 \$ 1,135 28 Banana Basin (annual cleaning) 3 11 130 \$ 294 29 Banana Basin (semiannual cleanings) 3 31 155 \$ 495	26a	Sultana Avenue	3	\$	502,200	\$	32,700	\$	260	\$	32,960	7	0	\$ 4,697		g
29 Banana Basin (semiannual cleanings) 3 31 155 \$ 495	27	Declez Basin	3	\$	4,070,000	\$	264,800	\$	8,920	\$	273,720	241	0	\$ 1,135		
· · · · · · · · · · · · · · · · · · ·	28	Banana Basin (annual cleaning)	3									11	130	\$ 294		
	29	Banana Basin (semiannual cleanings)	3									31	155	\$ 495		
30 Declez Basin (annual cleaning) 3 16 178 \$ 409	30	Declez Basin (annual cleaning)	3									16	178	\$ 409		
31 Declez Basin (semiannual cleanings) 3 47 210 \$ 701			3									47	210	701		
32 Ely Basin (annual cleaning) 2 44 217 \$ 668 b	32	Ely Basin (annual cleaning)	2									44	217	\$ 668	b	
33 Ely Basin (semiannual cleanings) 2 128 258 \$ 997 b	33	,	2									128	258	\$ 997	b	
34 Hickory Basin (annual cleaning) 2 7 148 \$ 518	34		2									7		\$ 518		
35 Hickory Basin (semiannual cleanings) 2 20 175 \$ 877	35		2									20	175	\$ 877		

a - Project ID no.'s with an "a" extension indicate that the project includes excavation and haul-off costs, and the capital cost shown assumes that the project's excavation and haul-off costs are reduced by 90 percent with the excavated materials being used in another construction project.

Key to Water Quality Challenges

b - A potential water quality challenge has been identified with this project.

Key to Institutional Challenges

- c- An agreement will be required with the property owner to construct and operate stormwater recharge facilities. Other agreements with resource agencies may also be required. The time required to negotiate and approve these agreements could range from one to two years.
- d This basin is not currently included in the Watermaster/IEUA recharge permit. Therefore, the existing permit will need to be amended to include recycled water at this basin. The time required to prepare the Title 22 engineering report and regulatory process is about two years.
- $e-The\ project\ includes\ a\ recycled\ water\ recharge\ component.\ The\ IEUA\ has\ discretion\ as\ to\ whether\ to\ participate\ or\ not\ in\ this\ project.$
- f At the July 18, 2013 Steering Committee Meeting, Ryan Shaw (IEUA) indicated that Project IDs 7, 11, and 22a are being recommended to be cost shared. The capital cost shown assumes a 50/50 split of the capital cost per Peace II Agreement Article VIII.
- g The Watermaster will have to submit a Petition for Change with the State Water Resources Control Board for the project because it is not included in the Watermaster's current diversion permits.

DRAFT Table 8-2c Ranked Yield Enhancement Projects

Project ID	Group ¹	Project	Yield	Recycled Water	Rech	m Water arge Unit Cost	Capital Cost	Tot	al Annual Cost
Recommended M	Z3 Projects	S							
18a	i	CSI Storm Water Basin 2013 RMPU Proposed Wineville PS to Jurupa, Expanded	81	0	\$	388	\$ 440,000	\$	31,612
23a	iv	Jurupa PS to RP3 Basin, and 2013 Proposed RP3 Improvements ^{2,3}	3,166	2,905	\$	497	\$ 19,392,000	\$	1,261,000
25a	i	Sierra	64	0	\$	537	\$ 490,000	\$	34,262
Total MZ3			3,311	2,905	\$	495	\$ 20,322,000	\$	1,326,875
Recommended Mi	Z2 Projects	S	I		1				
11	i	Victoria Basin ^{2, 4}	43	120	\$	151	\$ 75,000	\$	6,484
7	ii	San Sevaine Basins ^{2, 5}	642	1,911	\$	217	\$ 1,775,000	\$	139,256
12	ii	Lower Day Basin (2010 RMPU)	789	0	\$	242	\$ 2,480,000	Ś	190,482
Total MZ2		, , , , , , , , , , , , , , , , , , , ,	1,474	2,031	\$	228	\$ 4,330,000	\$	336,222
Recommended M	Z1 Projects	s	Į.	ļ.	1				
2	i	Montclair Basins	248	0	\$	415	\$ 1,440,000	\$	102,876
Total MZ1			248	0	\$	415	\$ 1,440,000	\$	102,876
Total Recommended Projects			5,033	4,936	\$	413	\$ 26,092,000	\$	1,765,973
Other Projects									
19a	iii	Wineville Basin (2010 RMPU)	2,157	0	\$	184	\$, ,	\$	397,924
20	iii	Jurupa Basin	421	0	\$	330	\$ 1,900,000	\$	139,191
22a	ii, iii	RP3 Basin Improvements (2013 RMPU)	137	0	\$	915	\$ 1,855,000	\$	125,787

Note - color shading within each MZ indicates mutually exclusive projects.

¹ The project group column was created to determine the total yield from different combinations of projects. The group was determined as follows: i- the project can be standalone; ii- the project is mutually exclusive; iii- the project can be standalone but is also included in a multi-project scenario; and iv- the project includes the "iii" group.

² At the July 18, 2013 Steering Committee Meeting, Ryan Shaw (IEUA) indicated that Project IDs 7, 11, and 22a are being recommended to be cost shared and the capital cost shown assumes a 50/50 split of the capital cost per Peace II Agreement Article VIII.

³ Project ID 23a includes Project IDs 19a, 20, and 22a and associated conveyance facilities. The total capital cost represents an IEUA capital cost share for only Project ID 22a. The capital costs associated with Project IDs 19a and 20 and the associated conveyance facilities were not cost shared. The recycled water recharge shown represents the increase in Project ID 22a. The recycled water recharge associated with Project ID 19a was not included because the project was not recommended to be cost shared by IEUA. The total capital cost of Project ID 23a is about \$17,440,000.

 $^{^{\}rm 4}$ The total capital cost for Project ID 11 is about \$150,000.

 $^{^{\}rm 5}$ The total capital cost for Project ID 12 is about \$3,550,000.

a - Project ID no.'s with an "a" extension indicate that the project includes excavation and haul-off costs, and the capital cost shown assumes that the project's excavation and haul-off costs are reduced by 90 percent with the excavated materials being used in another construction project.

DRAFT Table 8-3
Ranked Yield Enhancement Projects with Capital Cost Breakdown and Amortization Cost

	1		1	1	1	1		1	1	Annual Amor	tination Cost	Annual Costs for Pay-As-You-Go for All Soft Costs
Project ID	Group ¹	Project	Yield	Recycled Water	Storm Water Recharge Unit	Direct Construction	Engineering and Admin	Total Capital Cost		inance All	Finance Construction	
				Water	Cost	Cost	Costs	COSC		Costs	Costs Only	113Cd1 2013 113Cd1 2010 113Cd1 2017 113Cd1 2010 113Cd1 2013 113Cd1 2020 113Cd1 2021
Recommo	ended MZ	3 Projects										
18a	i	CSI Storm Water Basin 2013 RMPU Proposed Wineville PS to Jurupa,	81	0	\$ 388	\$ 291,000	\$ 150,000	\$ 441,000	\$	29,000	\$ 19,000	
23a	iv	Expanded Jurupa PS to RP3 Basin, and 2013 Proposed RP3 Improvements	3,166	2,905	\$ 497	\$ 17,513,000	\$ 1,879,000	\$ 19,392,000	\$	1,261,000	\$ 1,139,000	
25a	i	Sierra	64	0	\$ 537	\$ 323,000	\$ 167,000	\$ 490,000	\$	32,000	\$ 21,000	
Total MZ	3		3,311	2,905	\$ 495				\$	1,322,000	\$ 1,179,000	
Recommo	ended MZ	2 Projects										
11	i	Victoria Basin	43	120	\$ 151					5,000		
7	ii	San Sevaine Basins	642	1,911	\$ 217	\$ 1,614,000	\$ 161,500	\$ 1,775,500	\$	115,000	\$ 105,000	
12	ii	Lower Day Basin (2010 RMPU)	789	0	\$ 242	\$ 2,158,000	\$ 324,000	\$ 2,482,000	\$	161,000	\$ 140,000	
Total MZ2	2		1,474	2,031	\$ 228				\$	281,000	\$ 249,000	
Recommo	ended MZ	1 Projects	l .	1	1	1		1				
2	i	Montclair Basins	248	0	\$ 415	\$ 1,251,900	\$ 188,000	\$ 1,439,900	Ś	94,000	\$ 102,876	
Total MZ	1		248	0	\$ 415	, , , , , , , , , , , , , , , , , , , ,		, , , , , , , , ,	\$	94,000		
Total Rec	ommende	d Projects	5,033	4,936	\$ 413	\$ 23,215,900	\$ 2,879,250	\$ 26,095,150	\$	1,697,000	\$ 1,530,876	\$ \$100,000 \$300,944 \$300,944 \$773,775 \$773,775 \$322,406 \$322,406

\$200,000 CEQA cost as a lump sum. Project-level for the projects listed above and programmatic level for all other unique projects in Table 8-2c.

\$100,000 Watermaster cost to negotiate implementation agreements, legal costs and staff time

15% Preliminary engineering as a fraction of E&A

60% Final design as a fraction of E&A 25% CMS as a fraction of E&A