Water System Improvement Plan 2010 -2015 Appendix B

Appendix B Program & Project Descriptions		Zone	Unit	Quantity	Justification					
			<u> </u>			2010-11	2011-12	2012-13	2013-14	2014-15
ystem	Improvements Summary									
. Sourc	e of Supply									+
1	Rehabilitation of Sierra Madre Tunnel System	3	Job	LS	Rehab. Tunnels, Clearwell & Cl2 System					1
2	SM Spreading Basins Rehabilitation Design & Construction	1	Job	LS	Improve Hydraulics, Gauging, Infiltration					1
3	Well No. 3 Replacement	1	Job	LS	Replace Well, Increase Production					1
4	Well No. 4 Replacement	1	Job	LS	Replace Well, Increase Production					1
5	Well No. 5 Replacement	1	Job	LS	Replace Well, Increase Production					1
6	Well No. 6 Replacement	1	Job	LS	Replace Well, Increase Production					
7	East Raymond Basin New Well No. 7	1	Job	LS	New Production Well	400	1,200	1,200		
8	Santa Anita Creek Diversion Pipeline & Hwks Rehabilitation - Design & Const.	1	Job	LS	Rehab. Pipeline, & Headworks			366	1,122	
9	Sierra Madre Creek Diversion Structure	NA	Job	LS	Seismic Reliability, Increase Spreading & Yield		85			
10	Santa Anita SG Booster Pump Station	NA	Job	LS	Seismic Reliability, Increase Spreading & Yield					1,00
11	Water Exchange Project - MWD & SGVMWD Turnout - Design & Construction	1	Job	LS	Supply Reliability	175				
12	Extraction Well - Sierra Madre - Design & Construction	1	Job	LS	Supply Reliability					
13	Main Spreading Basin Maintenance Program	1	Job	LS	Maintain Spreading Efficiency	10		10		10
14	SGVMWD Raymond Basin Pipeline - Joint Use Share (~30%) - Design & Const.	1	Job	LS	Supply Reliability					
15	Santa Anita Debris Basin Rehabilitation (Full)	NA	Job	LS	Supply Reliability			700	5,425	5,00
16	SMSG Diversion Pipeline Inspection & Rehabilitation	NA	Job	LS	Supply Reliability			15	196	
										1
	Subtotal Source of Supply Projects									+
. Reser	voirs (Deferred past FY2014/15)									
1	Auburn Reservoirs North & South Repl. (2.0MG)Design & Construction of	3	Job	LS	Seismic Improvements, Increase Capacity					
2	Carter Tanks Replacement - Design & Construction	3	Job	LS	Replace Tanks with Closed Pressure System					
3	Replacement of Main Pumping Station Settling Basin	1	Job	LS	Replace Aging Reservoir, Seismic Reliability					
	Subtotal Reservoir Projects									-
: Pump	Stations (Deferred past FY2014/15)									
1	Main Pumping Station Replacement - Design & Construction	1	Job	LS	Replace Aging PS, Seismic Reliability					
2	Zone 2 Booster Pump Station Arcadia's Santa Anita BPS (2000gpm) Subtotal Pump Station Projects	2	Job	LS	Seismic Reliability Backup Supply					-
	Subtotal Fullip Station Frojects									
. Transı	mission Pipelines (Deferred past FY2014/15)									
1	Zone 2 Intertie with Arcadia - Design & Construction	2	12	6000 LF	Seismic Reliability					
2	Design & Construction of 12" Zone 2 Pipeline in Lima Street	2	12	2300 LF	Seismic Reliability					
	Subtotal Transmission Main Projects									-
	·									
	ution System (Deferred past FY2014/15)	A.II	\/-	\/- ·	Ocionia Deliabilita Fire D. (1)					
1	Water Main Replacement Program	All	Var.	Varies	Seismic Reliability, Fire Protection					-
2	Fire Hydrant Replacement Program	All	Var.	Varies	Seismic Reliability, Fire Protection	-				-
3	Annual Valve Replacement Program Water Service Replacement Program	All	Var. Job	Varies LS	System Reliability System Reliability, Revenue Accuracy					+
	Tatel Section representative regions	730	300		System residently, revenue / recuracy					
	Subtotal Distribution Main Projects									
. Press	L sure Regulating Stations (Deferred past FY2014/15)									
1	PRS - Upgrade Program	2&1	3	EA	Backup Connection, Seismic Reliability					
2	PRS - Upgrade Program	3&2	3	EA	Backup Connection, Seismic Reliability					
	Subtotal Pressure Regulating Station Projects									
. Facility	y Improvements (Deferred past FY2014/15)									
1	Main Panel Replacement Main Pumping Station	All	Job	LS	Repair Fire Damage					
2	GIS Database	All	Job	LS	Mapping & Records Computerization					

	3	Resurface Maintenance Yard	All	Job	LS	Maintain Facility					
	4	Computer Equipment	All	Job	LS	System Upgrading					
	5	Computer Software	All	Job	LS	Software Updating					
		Subtotal Facility Improvement Projects									
H. C	Capital	Equipment (Deferred past FY2014/15)									
	1	Vehicles	All	Job	LS	Maintain System					
	2	Other Capital Equipment	All	Job	LS	Maintain System					
	3	Heavy Tools & Equipment	All	Job	LS	Maintain System					
	4	Heavy Motorized Equipment	All	Job	LS	Maintain System					
		Subtotal Capital Equipment									
Sub	Subtotals										
							585	1,285	2,291	6,743	6,010
Est	Estimated Federal Cost Share						242	964	1,711	5,057	4,500
I											
Oth	Other Funds (See Note Below)						175		267	1,637	1,250
Net	Net City Cost Share - Water Enterprise Funds						168	321	314	49	260