

EAST ORANGE COUNTY WATER DISTRICT

RETAIL ZONE

FIVE-YEAR CAPITAL IMPROVEMENT PLAN

PROJECTED AVAILABLE RESOURCES		PROJECTED 6/30/13	Current Year	2013-14	2014-15	2015-16	2016-17	2017-18	TOTAL
Projected beginning cash and cash equivalents			\$454,567	\$621,647	\$408,097	\$249,197	\$249,197	\$350,297	
4109-0002-2	Projected capital project fees	\$252,000	252,000	288,000	288,000	288,000	288,000	288,000	1,440,000
4113-0002-2	Projected connection fees	\$0	0	0	0	0	0	0	0
Various	Projected interest earnings	\$50	50	100	100	100	100	100	500
4994-0959-2	Projected transfers from operations	\$148,030	148,030	174,100	150,000	150,000	150,000	150,000	774,100
Funds Borrowed from Wholesale Zone			0	0	0	0	0	0	0
I-Bank Loan for Well					1,800,000	0			1,800,000
Subtotal Projected Annual Revenue		\$400,080	\$400,080	\$462,200	\$2,238,100	\$438,100	\$438,100	\$438,100	
Annual Projected Available Resources		\$400,080	\$854,647	\$1,083,847	\$2,646,197	\$687,297	\$687,297	\$788,397	
TOTAL ANTICIPATED REVENUE 2012-2016									\$4,014,600
DEBT SERVICE									
2250-0002-2	Debt Service-Principal on DWR Loan	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5912-0002-2	Debt Service-Interest on DWR Loan	\$0	0	0	0	0	0	0	0
Initial I-Bank Loan Fee		\$0	0	0	100,000				100,000
Debt Service-I-Bank Loan		\$0	0	0	150,000	150,000	150,000	150,000	600,000
Total Debt Service		\$0	\$0	\$0	\$250,000	\$150,000	\$150,000	\$150,000	\$700,000
CAPITAL PROJECTS AND REPLACEMENTS									
		PROJECTED 6/30/13	Current Year	2013-14	2014-15	2015-16	2016-17	2016-17	TOTAL
7912-201E-2	Betterment & Replacement Plan -Eng (Carry forward)	\$0	\$70,000	\$70,000					\$70,000
7912-201C-2	Betterment and Replacement Plan (Incl Hydraulic Model)-Const	0	0	10,000					10,000
7912-201L-2	Betterment and Replacement Plan (Incl Hydraulic Model)-Labor	0	0	500					500
7913-201C-2	McPherson Office/Yard/House Improvements-Construction	10,000	10,000	10,000					10,000
7913-201L-2	McPherson Office/Yard/House Improvements-Labor	3,000	500	5,000					5,000
7913-202E-2	Cathodic Protection-Engineering	0	5,000	0					0
7913-202C-2	Cathodic Protection-Construction	0	20,000	5,000					5,000
7913-202L-2	Cathodic Protection-Labor	0	500	500					500
7913-203C-2	Replacement Vehicle - 2005 Chevrolet Malibu	0	15,000	15,000					15,000
7913-204E-2	Mobile Engine Driven Pump- Engineering	41,000	41,000	0					0
7913-204C-2	Mobile Engine Driven Pump- Const.	44,500	44,500	0					0
7913-204L-2	Mobile Engine Driven Pump- Labor	1,500	500	0					0
7913-501E-2	View Ridge Modifications-Engineering	1,000	15,000	0					0
7913-501C-2	View Ridge Modifications-Construction	500	15,000	0					0
7913-501L-2	View Ridge Modifications-Labor	1,000	500	0					0
7913-502E-2	Stoller Reservoir - 75 hp Booster Pump Replacement-Eng	0	5,000	0					0
7913-502C-2	Stoller Reservoir - 75 hp Booster Pump Replacement-Cons	22,000	10,000	0					0
7913-502L-2	Stoller Reservoir - 75 hp Booster Pump Replacement-Labor	500	250	0					0
7913-503E-2	VP Vault Piping/Meter Upgrade 6" to 8" -Engineering	0	5,000	5,000					5,000
7913-503C-2	VP Vault Piping/Meter Upgrade 6" to 8" -Construction	0	15,000	20,000					20,000
7913-503L-2	VP Vault Piping/Meter Upgrade 6" to 8" -Labor	0	500	2,000					2,000
7913-504E-2	Vista Panorama Reservoir Repair-Engineering	0	5,000	15,000					15,000
7913-504C-2	Vista Panorama Reservoir Repair-Construction	0	45,000	65,000					65,000
7913-504L-2	Vista Panorama Reservoir Repair-Labor	0	500	5,000					5,000
7913-505C-2	VP Pump Rebuild-Construction	0	5,000	5,000					5,000
7913-505L-2	VP Pump Rebuild-Labor	0	250	250					250
7913-507E-2	Valve Raising - Crawford Canyon-Engineering	0	5,000	500					500

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CAPITAL PROJECTS AND REPLACEMENTS	PROJECTED 6/30/13	Current Year	2013-14	2014-15	2015-16	2016-17	2016-17	TOTAL
7913-507C-2 Valve Raising - Crawford Canyon-Construction	0	10,000	12,000					12,000
7913-507L-2 Valve Raising - Crawford Canyon-Labor	0	250	500					500
7913-508C-2 Valve Replacements - System-Construction	0	15,000	15,000					15,000
7913-508L-2 Valve Replacements - System-Labor	0	500	5,000					5,000
7913-509E-2 Allowance for system relocations-Engineering	0	2,000	2,000	5,000	5,000	5,000	5,000	22,000
7913-509C-2 Allowance for system relocations-Construction	0	10,000	10,000	100,000	20,000	20,000	20,000	170,000
7913-509L-2 Allowance for system relocations-Labor	0	0	2,000	5,000	2,000	2,000	2,000	13,000
7913-510E-2 Backup Generator for VPBooster Station-Engineering	10,000	5,000	0					0
7913-510C-2 Backup Generator for VPBooster Station-Construction	25,000	20,500	0					0
7913-510L-2 Backup Generator for VPBooster Station-Labor	2,000	250	0					0
7913-511C-2 6" Mag Meters @ Stoller PRVs-Construction	0	12,500	10,000					10,000
7913-511L-2 6" Mag Meters @ Stoller PRVs-Labor	0	250	5,000					5,000
7913-512C-2 Stoller 150hp Booster Pump - Construction			35,000					35,000
7913-512L-2 Stoller 150hp Booster - Labor			1,000					1,000
7913-512E-2 Stoller 150hp Booster Pump - Engineering			1,000					1,000
7914-201C-2 Replace Backhoe-Construction			25,000					25,000
7914-501E-2 Replacement Recommendations-Engineering			0	50,000	50,000	25,000	25,000	150,000
7914-501C-2 Replacement Recommendations-Construction				100,000	100,000	73,000	73,000	346,000
7914-501L-2 Replacement Recommendations-Labor				5,000	5,000	2,000	2,000	14,000
7914-503E-2 Backup System PRV - Circula Panorama-Engineering			10,000					10,000
7914-503C-2 Backup System PRV - Circula Panorama-Construction			30,000					30,000
7914-503L-2 Backup System PRV - Circula Panorama-Labor			10,000					10,000
7914-505C-2 East Well Upgrade-Replacement-Construction	70,000	70,000		1,750,000				1,750,000
7914-505L-2 East Well Upgrade-Replacement-Labor	1,000	1,000						0
7914-506E-2 Security Improvements - Reservoir Sites-Engineering				10,000				10,000
7914-506C-2 Security Improvements - Reservoir Sites-Construction				45,000				45,000
7914-506L-2 Security Improvements - Reservoir Sites-Labor				5,000				5,000
7914-507E-2 Joint Well - Engineering			100,000					100,000
7914-507C-2 Joint Well- Construction			0					0
7914-507L-2 Joint Well - Labor			5,000					5,000
7914-508E-2 Well Disinfection Conversion-Engineering			10,000					10,000
7914-508C-2 Well Disinfection Conversion -Const/Equip			45,000					45,000
7914-508L-2 Well Disinfection Conversion - Labor			2,500					2,500
7914-509C-2 West Well Rehabilitation -Replacement-Construction			70,000					70,000
7914-509L-2 West Well Rehabilitation -Replacement-Labor			2,000					2,000
7914-515E-2 Charmaine / Fowler Piping Modification - Eng			2,000					2,000
7914-515C-2 Charmaine / Fowler Piping Modification - Const			5,000					5,000
7914-515L-2 Charmaine / Fowler Piping Modification - Labor			7,000					7,000
7914-530E-2 RZ Pipeline Replacement - Via Aventura (500 ft.) Eng				25,000				25,000
7914-530C-2 RZ Pipeline Replacement - Via Aventura (500ft.) - Const				40,000				40,000
7914-530L-2 RZ Pipeline Replacement - Via Aventura (500ft.) - Labor				2,000				2,000
7914-540E-2 SCADA System Site Additions - VP Sidehill and RZ Fire Pump			15,000					15,000
7900-100C-2 * Capitalized Accounting Costs		1,000	5,000	5,000	5,000	5,000	5,000	25,000
Total Annual Projected Expenditures	\$233,000	\$482,250	\$675,750	\$2,147,000	\$187,000	\$132,000	\$132,000	\$3,193,250
PROJECTED ANNUAL ENDING AVAILABLE RESOURCES			\$408,097	\$249,197	\$350,297	\$405,297	\$506,397	
NET RESERVE FUND BY 2018								\$121,350

REVENUE

	<u>Projected beginning cash and cash equivalents</u>	\$621,647
4109-0002-2	<u>Projected capital project fees</u>	\$288,000
4113-0002-2	<u>Projected connection fees</u>	\$0
Various	<u>Projected interest earnings</u>	\$100
4994-0959-2	<u>Projected transfers from operations</u>	\$174,100
	<u>Funds Borrowed from Wholesale Zone</u>	\$0
	<u>I-Bank Loan</u> (If required for new well)	\$0

DEBT SERVICE

2250-0002-2	<u>Debt Service-Principal on DWR Loan</u>	(Paid off in 2012)	\$0
5912-0002-2	<u>Debt Service-Interest on DWR Loan</u>	(Paid off in 2012)	\$0
	<u>Initial I-Bank Loan Fee</u>		\$0
	<u>Debt Service-I-Bank Loan</u>		\$0

EXPENDITURES

7912-201E-2	<u>Betterment & Replacement Plan -Eng (Carry forward)</u>		\$70,000
	Funding for Retail Zone Update to 1989 Master Plan - work not begun in FY 2011-12 due to hydraulic model delay		
7913-201C-2	<u>McPherson Office/Yard Improvements-Construction</u>		\$10,000
7913-201L-2	<u>McPherson Office/Yard Improvements-Labor</u>		\$5,000
	Flooring & misc supplies for interior modifications to office & McPherson house & asphalt/slurry work in yard May be deferred to 2013-14 if needed		
7913-202E-2	<u>Cathodic Protection-Engineering</u>		\$0
7913-202C-2	<u>Cathodic Protection-Construction</u>		\$5,000
7913-202L-2	<u>Cathodic Protection-Labor</u>		\$500
	Update cathodic protection system		
7913-203C-2	<u>Used vehicle to supplement fleet</u>		\$15,000
	RZ portion of used electric or gas assist small SUV		
7913-204E-2	<u>Mobile Engine Driven Pump- Engineering</u>		\$0
7913-204C-2	<u>Mobile Engine Driven Pump- Const.</u>		\$0
7913-204L-2	<u>Mobile Engine Driven Pump- Labor</u>		\$0
	?		
7913-501E-2	<u>View Ridge Modifications-Engineering</u>		\$0
7913-501C-2	<u>View Ridge Modifications-Construction</u>		\$0
7913-501L-2	<u>View Ridge Modifications-Labor</u>		\$0
	Contingency funding to address issues associate with soil movement that threatens a District pipeline		
7913-502E-2	<u>Stoller Reservoir - 75 hp Booster Pump Replacement-Eng</u>		\$0
7913-502C-2	<u>Stoller Reservoir - 75 hp Booster Pump Replacement-Cons</u>		\$0
7913-502L-2	<u>Stoller Reservoir - 75 hp Booster Pump Replacement-Labor</u>		\$0
	Replacement of booster pump if rotating element can't be repaired		
7913-503E-2	<u>VP Vault Piping/Meter Upgrade 6" to 8" -Engineering</u>		\$5,000
7913-503C-2	<u>VP Vault Piping/Meter Upgrade 6" to 8" -Construction</u>		\$20,000
7913-503L-2	<u>VP Vault Piping/Meter Upgrade 6" to 8" -Labor</u>		\$2,000
	Replacement of piping would reduce "bottleneck" also would replace wood and paint the pump house and run electrical for a 2-way meter.		
7913-504E-2	<u>Vista Panorama Reservoir Repair-Engineering</u>		\$15,000
7913-504C-2	<u>Vista Panorama Reservoir Repair-Construction</u>		\$65,000
7913-504L-2	<u>Vista Panorama Reservoir Repair-Labor</u>		\$5,000
	Repair crack in concrete, lower the piping from the pumps & hydro-pneumatic tank, replace two valves on outlet of hydro tank		

Will be deferred to 2013-14 if needed

7913-505C-2	<u>VP Pump Rebuild-Construction</u>	\$5,000
7913-505L-2	<u>VP Pump Rebuild-Labor</u>	\$250
	Rebuild VP pump	
7913-507E-2	<u>Valve Raising - Crawford Canyon-Engineering</u>	\$500
7913-507C-2	<u>Valve Raising - Crawford Canyon-Construction</u>	\$12,000
7913-507L-2	<u>Valve Raising - Crawford Canyon-Labor</u>	\$500
	Valve can raising for Crawford Canyon; required as County repaves Crawford Canyon	
7913-508C-2	<u>Valve Replacements - System-Construction</u>	\$15,000
7913-508L-2	<u>Valve Replacements - System-Labor</u>	\$5,000
	Valves needing replacement identified during exercising	
7913-509E-2	<u>Allowance for system relocations-Engineering</u>	\$2,000
7913-509C-2	<u>Allowance for system relocations-Construction</u>	\$10,000
7913-509L-2	<u>Allowance for system relocations-Labor</u>	\$2,000
	Allowance for utility relocations as required by County of Orange	
7913-510E-2	<u>Backup Generator for VPBooster Station-Engineering</u>	\$0
7913-510C-2	<u>Backup Generator for VPBooster Station-Construction</u>	\$0
7913-510L-2	<u>Backup Generator for VPBooster Station-Labor</u>	\$0
	Portable generator to provide reliability for VP Booster Station	
7913-511C-2	<u>6" Mag Meters @ Stoller PRVs-Construction</u>	\$10,000
7913-511L-2	<u>6" Mag Meters @ Stoller PRVs-Labor</u>	\$5,000
	Installation of Mag Meters at Stoller PRVs - may be deferred to 2013-14 if needed	
7914-201C-2	<u>Replace Backhoe-Construction</u>	\$25,000
	Replacement of 1982 backhoe due to age and air regulations	
7914-501E-2	<u>Replacement Recommendations-Engineering</u>	\$0
7914-501C-2	<u>Replacement Recommendations-Construction</u>	\$0
7914-501L-2	<u>Replacement Recommendations-Labor</u>	\$0
	Future recommendations from Betterment and Replacement Study	
7914-502E-2	<u>System Equipment Replacements (Valves/Airvacs)-Eng</u>	\$0
7914-502C-2	<u>System Equipment Replacements (Valves/Airvacs)-Cons</u>	\$0
7914-502L-2	<u>System Equipment Replacements (Valves/Airvacs)-Labor</u>	\$0
	Replacement of multiple vales & airvacs	
7914-503E-2	<u>Backup System PRV - Circula Panorama-Engineering</u>	\$10,000
7914-503C-2	<u>Backup System PRV - Circula Panorama-Construction</u>	\$30,000
7914-503L-2	<u>Backup System PRV - Circula Panorama-Labor</u>	\$10,000
	Backup PRV in case the primary PRV from 11.5 MG reservoir fails	
7914-505C-2	<u>East Well Upgrade-Replacement-Construction</u>	\$1,750,000
7914-505L-2	<u>East Well Upgrade-Replacement-Labor</u>	\$0
	Preliminary investigation into Joint Well with IRWD	
7914-506E-2	<u>Security Improvements - Reservoir Sites-Engineering</u>	\$10,000
7914-506C-2	<u>Security Improvements - Reservoir Sites-Construction</u>	\$45,000
7914-506L-2	<u>Security Improvements - Reservoir Sites-Labor</u>	\$5,000

<u>7914-508E-2</u>	<u>Well Disinfection Conversion-Engineering</u>	\$10,000
<u>7914-508C-2</u>	<u>Well Disinfection Conversion -Const/Equip</u>	\$45,000
<u>7914-508L-2</u>	<u>Well Disinfection Conversion - Labor</u>	\$2,500
<u>7914-530E-2</u>	<u>RZ Pipeline Replacement - Via Aventura (500 ft.) Eng</u>	\$25,000
<u>7914-530C-2</u>	<u>RZ Pipeline Replacement - Via Aventura (500ft.) - Const</u>	\$40,000
<u>7914-530L-2</u>	<u>RZ Pipeline Replacement - Via Aventura (500ft.) - Labor</u>	\$2,000
<u>7914-515E-2</u>	<u>Charmaine / Fowler Piping Modification - Eng</u>	\$2,000
<u>7914-515C-2</u>	<u>Charmaine / Fowler Piping Modification - Const</u>	\$5,000
<u>7914-515L-2</u>	<u>Charmaine / Fowler Piping Modification - Labor</u>	\$7,000
<u>7914-540E-2</u>	<u>SCADA System Site Additions - VP Sidehill and RZ Fire Pump</u>	\$15,000
<u>7913-512C-2</u>	<u>Stoller 150hp Booster Pump - Construction</u>	\$35,000
<u>7913-512L-2</u>	<u>Stoller 150hp Booster - Labor</u>	\$1,000
<u>7913-512E-2</u>	<u>Stoller 150hp Booster Pump - Engineering</u>	\$1,000
<u>7914-xxxC-2</u>	<u>New Project- Construction</u>	\$0
<u>7914-xxxE-2</u>	<u>New Project- Labor</u>	\$0
<u>7914-xxxE-2</u>	<u>New Project- Engineering</u>	\$0
<u>7914-xxxC-2</u>	<u>New Project- Construction</u>	\$0
<u>7914-xxxE-2</u>	<u>New Project- Labor</u>	\$0
<u>7914-xxxE-2</u>	<u>New Project- Engineering</u>	\$0
<u>7914-xxxC-2</u>	<u>New Project- Construction</u>	\$0
<u>7914-xxxE-2</u>	<u>New Project- Labor</u>	\$0
<u>7914-xxxE-2</u>	<u>New Project- Engineering</u>	\$0
<u>7914-xxxC-2</u>	<u>New Project- Construction</u>	\$0
<u>7914-xxxE-2</u>	<u>New Project- Labor</u>	\$0
<u>7914-xxxE-2</u>	<u>New Project- Engineering</u>	\$0
<u>7914-xxxC-2</u>	<u>New Project- Construction</u>	\$0
<u>7914-xxxE-2</u>	<u>New Project- Labor</u>	\$0
<u>7914-xxxE-2</u>	<u>New Project- Engineering</u>	\$0
<u>7914-xxxC-2</u>	<u>New Project- Construction</u>	\$0
<u>7914-xxxE-2</u>	<u>New Project- Labor</u>	\$0
<u>7900-100C-2</u>	<u>* Capitalized Accounting Costs</u>	\$5,000