

EAST ORANGE COUNTY WATER DISTRICT

**RETAIL ZONE**

**MULTI-YEAR CAPITAL IMPROVEMENT PLAN**

**PROJECTED AVAILABLE RESOURCES**

	Projected beginning cash and cash equivalents
4109-0002-2	Projected capital project fees
4113-0002-2	Projected connection fees
Various	Projected interest earnings
4994-0959-2	Projected transfers from operations
	Funds Borrowed from Wholesale Zone
	I-Bank Loan

Subtotal Projected Annual Revenue

**Annual Projected Available Resources**

**TOTAL ANTICIPATED REVENUE 2012-2016**

**DEBT SERVICE**

2250-0002-2	Debt Service-Principal on DWR Loan
5912-0002-2	Debt Service-Interest on DWR Loan
	Initial I-Bank Loan Fee
	Debt Service-I-Bank Loan

**Total Debt Service**

**CAPITAL PROJECTS AND REPLACEMENTS**

7912-550C-2	2011 System Improvements-Construction
7912-500E-2	2011 System Improvements-Engineering
7912-201E-2	Betterment & Replacement Plan -Eng (Carry forward)
7913-101E-2	View Ridge Modifications-Engineering
7913-101C-2	View Ridge Modifications-Construction
7913-101L-2	View Ridge Modifications-Labor
7913-102E-2	Stoller Reservoir - 75 hp Booster Pump Replacement-Eng
7913-102C-2	Stoller Reservoir - 75 hp Booster Pump Replacement-Cons
7913-102L-2	Stoller Reservoir - 75 hp Booster Pump Replacement-Labor
7913-103E-2	VP Vault Piping/Meter Upgrade 6" to 8" -Engineering
7913-103C-2	VP Vault Piping/Meter Upgrade 6" to 8" -Construction
7913-103L-2	VP Vault Piping/Meter Upgrade 6" to 8" -Labor
7913-104E-2	Vista Panorama Reservoir Repair-Engineering
7913-104C-2	Vista Panorama Reservoir Repair-Construction
7913-104L-2	Vista Panorama Reservoir Repair-Labor

<u>Current Year</u>	<u>2012-13</u>	<u>2013-14</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>TOTAL</u>
<b>\$713,063</b>	<b>\$299,592</b>	<b>\$300,172</b>	<b>\$96,672</b>	<b>\$130,672</b>	<b>\$164,672</b>	
\$215,000	\$252,000	\$288,000	\$288,000	\$288,000	\$288,000	\$1,619,000
\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$500	\$50	\$500	\$1,000	\$1,000	\$1,000	\$4,050
\$200,000	\$148,030	\$105,000	\$105,000	\$105,000	\$105,000	\$768,030
\$0						\$0
\$0		\$1,800,000				\$1,800,000
\$415,500	\$400,080	\$2,193,500	\$394,000	\$394,000	\$394,000	
<b><u>\$1,128,563</u></b>	<b><u>\$699,672</u></b>	<b><u>\$2,493,672</u></b>	<b><u>\$490,672</u></b>	<b><u>\$524,672</u></b>	<b><u>\$558,672</u></b>	
						<b>\$4,191,080</b>
\$ 43,093	\$0					\$ 43,093
\$ 1,878	\$0					\$ 1,878
	\$0	\$65,000				\$ 65,000
	\$0	\$150,000	\$150,000	\$150,000	\$150,000	\$ 600,000
\$ 44,971	\$ -	\$215,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 709,971
<u>Current Year</u>	<u>2012-13</u>	<u>2013-14</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>TOTAL</u>
\$ 560,000						\$ -
\$ 94,000						\$ -
\$ 70,000	\$ 70,000					\$ 70,000
	\$ 15,000					\$ 15,000
	\$ 15,000					\$ 15,000
	\$ 500					\$ 500
	\$ 5,000					\$ 5,000
	\$ 10,000					\$ 10,000
	\$ 250					\$ 250
	\$ 5,000					\$ 5,000
	\$ 15,000					\$ 15,000
	\$ 250					\$ 250
	\$ 5,000					\$ 5,000
	\$ 45,000					\$ 45,000
	\$ 500					\$ 500

**EAST ORANGE COUNTY WATER DISTRICT  
RETAIL ZONE  
MULTI-YEAR CAPITAL IMPROVEMENT PLAN**

**CAPITAL PROJECTS AND REPLACEMENTS**

7913-105C-2	VP Pump Rebuild-Construction
7913-105L-2	VP Pump Rebuild-Labor
7913-106E-2	Cathodic Protection-Engineering
7913-106C-2	Cathodic Protection-Construction
7913-106L-2	Cathodic Protection-Labor
7913-107E-2	Valve Raising - Crawford Canyon-Engineering
7913-107C-2	Valve Raising - Crawford Canyon-Construction
7913-107L-2	Valve Raising - Crawford Canyon-Labor
7913-108C-2	Valve Replacements - System-Construction
7913-108L-2	Valve Replacements - System-Labor
7913-201C-2	McPherson Office/Yard Improvements-Construction
7913-201L-2	McPherson Office/Yard Improvements-Labor
7913-203C-2	Used vehicle to supplement fleet
7913-109E-2	Allowance for system relocations-Engineering
7913-109C-2	Allowance for system relocations-Construction
7914-101C-2	Replace Backhoe-Construction
7914-102E-2	Replacement Recommendations-Engineering
7914-102C-2	Replacement Recommendations-Construction
7914-102L-2	Replacement Recommendations-Labor
7914-103C-2	System Equipment Replacements (Valves/Airvacs)-Cons
7914-104C-2	Backup System PRV - Circula Panorama-Construction
7914-105E-2	East Well Upgrade-Replacement-Engineering
7914-105C-2	East Well Upgrade-Replacement-Construction
7912-551C-2	County of Orange Paving Project (100% Retail)-Construction
7913-110E-2	Backup Generator for VPBooster Station-Engineering
7913-110C-2	Backup Generator for VPBooster Station-Construction
7913-110L-2	Backup Generator for VPBooster Station-Labor
7913-111C-2	6" Mag Meters @ Stoller PRVs-Construction
7913-111L-2	6" Mag Meters @ Stoller PRVs-Labor
7914-106E-2	Security Improvements - Reservoir Sites-Engineering
7914-106C-2	Security Improvements - Reservoir Sites-Construction
7914-106L-2	Security Improvements - Reservoir Sites-Labor
7900-100C-2	* Capitalized Accounting Costs

<u>Current Year</u>	<u>2012-2013</u>	<u>2013-14</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>TOTAL</u>
	\$ 5,000					\$ 5,000
	\$ 250					\$ 250
	\$ 5,000					\$ 5,000
	\$ 20,000					\$ 20,000
	\$ 500					\$ 500
	\$ 5,000					\$ 5,000
	\$ 10,000					\$ 10,000
	\$ 250					\$ 250
	\$ 15,000					\$ 15,000
	\$ 500					\$ 500
	\$ 10,000					\$ 10,000
	\$ 500					\$ 500
	\$ 15,000					\$ 15,000
	\$ 2,000	\$ 10,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 27,000
	\$ 10,000	\$ 75,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 145,000
		\$ 20,000				\$ 20,000
		\$ 50,000	\$ 50,000	\$ 50,000	\$ 25,000	\$ 175,000
		\$ 100,000	\$ 100,000	\$ 100,000	\$ 73,000	\$ 373,000
		\$ 2,000	\$ 5,000	\$ 5,000	\$ 2,000	\$ 14,000
		\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 100,000
		\$ 35,000				\$ 35,000
	\$ 20,000	\$ 50,000				\$ 70,000
		\$ 1,750,000				\$ 1,750,000
\$ 55,000						\$ -
	\$ 5,000					\$ 5,000
	\$ 75,000					\$ 75,000
	\$ 250					\$ 250
	\$ 12,500					\$ 12,500
	\$ 250					\$ 250
		\$ 10,000				\$ 10,000
		\$ 45,000				\$ 45,000
		\$ 5,000				\$ 5,000
\$ 5,000	\$ 1,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 21,000
\$ 784,000	\$ 399,500	\$ 2,182,000	\$ 210,000	\$ 210,000	\$ 155,000	\$ 3,156,500
<b>\$ 299,592</b>	<b>\$ 300,172</b>	<b>\$ 96,672</b>	<b>\$ 130,672</b>	<b>\$ 164,672</b>	<b>\$ 253,672</b>	

**Total Annual Projected Expenditures**

**PROJECTED ANNUAL ENDING AVAILABLE RESOURCES**

**NET REDUCTION IN RESERVE FUND 2012-2016**

**\$3,481,109**

\* FY 2010-11 Revenue and Expenses not included in Net Reduction calculation

**REVENUE**

	<b><u>Projected beginning cash and cash equivalents</u></b>	<b>\$299,592</b>
<b><u>4109-0002-2</u></b>	<b><u>Projected capital project fees</u></b>	<b>\$252,000</b>
<b><u>4113-0002-2</u></b>	<b><u>Projected connection fees</u></b>	<b>\$0</b>
<b><u>Various</u></b>	<b><u>Projected interest earnings</u></b>	<b>\$50</b>
<b><u>4994-0959-2</u></b>	<b><u>Projected transfers from operations</u></b>	<b>\$148,030</b>
	<b><u>Funds Borrowed from Wholesale Zone</u></b>	<b>\$0</b>
	<b><u>I-Bank Lo; (If required for new well)</u></b>	<b>\$0</b>

**DEBT SERVICE**

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

**EXPENDITURES**

<b><u>7912-201E-2</u></b>	<b><u>Betterment &amp; Replacement Plan -Eng (Carry forward)</u></b>		<b>\$ 70,000</b>
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Funding for Retail Zone Update to 1989 Master Plan - work not begun in FY 2011-12 due to hydraulic model delay

<b><u>7913-101E-2</u></b>	<b><u>View Ridge Modifications-Engineering</u></b>		<b>\$ 15,000</b>
<b><u>7913-101C-2</u></b>	<b><u>View Ridge Modifications-Construction</u></b>		<b>\$ 15,000</b>
<b><u>7913-101L-2</u></b>	<b><u>View Ridge Modifications-Labor</u></b>		<b>\$ 500</b>

Contingency funding to address issues associate with soil movement that threatens a District pipeline

<b><u>7913-102E-2</u></b>	<b><u>Stoller Reservoir - 75 hp Booster Pump Replacement-Eng</u></b>		<b>\$ 5,000</b>
<b><u>7913-102C-2</u></b>	<b><u>Stoller Reservoir - 75 hp Booster Pump Replacement-Cons</u></b>		<b>\$ 10,000</b>
<b><u>7913-102L-2</u></b>	<b><u>Stoller Reservoir - 75 hp Booster Pump Replacement-Labor</u></b>		<b>\$ 250</b>

Replacement of booster pump if rotating element can't be repaired

<b><u>7913-103E-2</u></b>	<b><u>VP Vault Piping/Meter Upgrade 6" to 8" -Engineering</u></b>		<b>\$ 5,000</b>
<b><u>7913-103C-2</u></b>	<b><u>VP Vault Piping/Meter Upgrade 6" to 8" -Construction</u></b>		<b>\$ 15,000</b>
<b><u>7913-103L-2</u></b>	<b><u>VP Vault Piping/Meter Upgrade 6" to 8" -Labor</u></b>		<b>\$ 250</b>

Replacement of piping would reduce "bottleneck" also would replace wood and paint the pump house and run electrical for a 2-way meter.

<b><u>7913-104E-2</u></b>	<b><u>Vista Panorama Reservoir Repair-Engineering</u></b>		<b>\$ 5,000</b>
<b><u>7913-104C-2</u></b>	<b><u>Vista Panorama Reservoir Repair-Construction</u></b>		<b>\$ 45,000</b>
<b><u>7913-104L-2</u></b>	<b><u>Vista Panorama Reservoir Repair-Labor</u></b>		<b>\$ 500</b>

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

<b><u>7913-105C-2</u></b>	<b><u>VP Pump Rebuild-Construction</u></b>		<b>\$ 5,000</b>
<b><u>7913-105L-2</u></b>	<b><u>VP Pump Rebuild-Labor</u></b>		<b>\$ 250</b>

Rebuild VP pump

<b><u>7913-106E-2</u></b>	<b><u>Cathodic Protection-Engineering</u></b>	<b>\$ 5,000</b>
<b><u>7913-106C-2</u></b>	<b><u>Cathodic Protection-Construction</u></b>	<b>\$ 20,000</b>
<b><u>7913-106L-2</u></b>	<b><u>Cathodic Protection-Labor</u></b>	<b>\$ 500</b>
Update cathodic protection system		
<b><u>7913-107E-2</u></b>	<b><u>Valve Raising - Crawford Canyon-Engineering</u></b>	<b>\$ 5,000</b>
<b><u>7913-107C-2</u></b>	<b><u>Valve Raising - Crawford Canyon-Construction</u></b>	<b>\$ 10,000</b>
<b><u>7913-107L-2</u></b>	<b><u>Valve Raising - Crawford Canyon-Labor</u></b>	<b>\$ 250</b>
Valve can raising for Crawford Canyon; required as County repaves Crawford Canyon		
<b><u>7913-108C-2</u></b>	<b><u>Valve Replacements - System-Construction</u></b>	<b>\$ 15,000</b>
<b><u>7913-108L-2</u></b>	<b><u>Valve Replacements - System-Labor</u></b>	<b>\$ 500</b>
Valves needing replacement identified during exercising		
<b><u>7913-201C-2</u></b>	<b><u>McPherson Office/Yard Improvements-Construction</u></b>	<b>\$ 10,000</b>
<b><u>7913-201L-2</u></b>	<b><u>McPherson Office/Yard Improvements-Labor</u></b>	<b>\$ 500</b>
Flooring & misc supplies for interior modifications to office & McPherson house & asphalt/slurry work in yard May be deferred to 2013-14 if needed		
<b><u>7913-203C-2</u></b>	<b><u>Used vehicle to supplement fleet</u></b>	<b>\$ 15,000</b>
RZ portion of used electric or gas assist small SUV		
<b><u>7913-109E-2</u></b>	<b><u>Allowance for system relocations-Engineering</u></b>	<b>\$ 2,000</b>
<b><u>7913-109C-2</u></b>	<b><u>Allowance for system relocations-Construction</u></b>	<b>\$ 10,000</b>
<b><u>7913-109L-2</u></b>	<b><u>Allowance for system relocations-Labor</u></b>	<b>\$ -</b>
Allowance for utility relocations as required by County of Orange		
<b><u>7914-105E-2</u></b>	<b><u>East Well Upgrade-Replacement-Engineering</u></b>	<b>\$ 20,000</b>
Preliminary investigation into Joint Well with IRWD		
<b><u>7913-110E-2</u></b>	<b><u>Backup Generator for VPBooster Station-Engineering</u></b>	<b>\$ 5,000</b>
<b><u>7913-110C-2</u></b>	<b><u>Backup Generator for VPBooster Station-Construction</u></b>	<b>\$ 75,000</b>
<b><u>7913-110L-2</u></b>	<b><u>Backup Generator for VPBooster Station-Labor</u></b>	<b>\$ 250</b>
Portable generator to provide reliability for VP Booster Station		
<b><u>7913-111C-2</u></b>	<b><u>6" Mag Meters @ Stoller PRVs-Construction</u></b>	<b>\$ 12,500</b>
<b><u>7913-111L-2</u></b>	<b><u>6" Mag Meters @ Stoller PRVs-Labor</u></b>	<b>\$ 250</b>
Installation of Mag Meters at Stoller PRVs - may be deferred to 2013-14 if needed		
<b><u>7900-100C-2</u></b>	<b><u>* Capitalized Accounting Costs</u></b>	<b>\$ 1,000</b>