

2011-2012 CAPITAL BUDGET



VALLECITOS WATER DISTRICT

Comprehensive Project List

Page Number	Project Number	Project Title	Funding Source	Previous Budget & Amendments	Estimated Amt Expended @ 6/30/11	Fiscal Year 2011-12	
						Carryforward	New Request
Carryover Projects							
32	90001	Encina Land Parallel Outfall	220	\$ 24,100,000	\$ 150,000	\$ 23,950,000	\$ 4,050,000
33	71004	San Marcos interceptor sewer	210&220	16,150,000	4,000,000	12,150,000	(750,000)
34	71084	Meadowlark Tank #3	110&120	4,463,000	520,500	3,942,500	(29,000)
35	71219	Mountain Belle Pump Station & Pipeline Design	120	3,860,000	100,000	3,760,000	
36	2010100001	Encina Wastewater Authority - Capital Projects	210&220	1,284,100	847,800	436,300	2,018,000
37	2010100002	Linda Vista Sewer East	210&220	1,520,000	225,000	1,295,000	440,000
38	90003	Rock Springs Sewer Replacement	210	1,160,000	120,000	1,040,000	
39	71077	Questhaven Basin Water and Sewer Facilities	120&220	875,000	641,700	233,300	
40	80002	Water & Sewer Master Plan	120&220	770,000	770,000	-	70,000
41	80001	Old Questhaven Sewer Replacement	210&220	835,000	1,000	834,000	
42	71025	Wulff Pressure Reducing Station	110	790,000	1,100,000	(310,000)	
43	2011100001	Wulff Tank Replacement	110&120	775,000	75,000	700,000	
44	71126	Vulnerability Assessment Improvements	120&220	591,000	98,200	492,800	
45	2010100035	Meter Replacement	110	529,000	280,000	249,000	
46	2010100003	Environmental Mitigation Property	120&220	560,000	60,000	500,000	(100,000)
47	80009	Bioxide Injection Station	220	100,000	5,000	95,000	300,000
48	71159	O&M Improvements to Central Building	110&210	350,000	300	349,700	
49	2010100004	Annual Sewer Replacement and I & I Repairs	210	-	-	-	350,000
50	71177	Land Outfall Clearing & Access Road	210	240,000	26,000	214,000	
51	2011100003	Center Drive Sewer Replacement	210	210,000	160,000	50,000	
52	71086	Radio/Communication System Phase I & II	110&210	199,500	77,400	122,100	
53	71122	Flow Monitoring Stations	220	180,000	58,600	121,400	
54	80007	Rotating Bio Contactors - Demolition & Removal	220	130,000	2,000	128,000	
55	71069	Larchwood Drive Sewer Line	210	64,000	4,000	60,000	60,000
56	90007	City of San Marcos Joint Projects	110&210	-	-	-	75,000
57	2011100004	Roughing Filter Access Door	210	31,500	31,500	-	32,000
58	71088	Pavement Maintenance for Facilities	110	50,000	38,000	12,000	13,000
59	2011100017	Aluminum Sulfate-Poly Tank	210	35,800	-	35,800	
60	2011100005	8" Pump Control Valves at Deer Springs Pump Sta	110	27,000	8,400	18,600	
61	80011	Water Storage Tanks Retrofitting	120	21,000	5,000	16,000	
62	90012	40' Antenna Masts for SCADA Radios	120	21,000	16,500	4,500	
63	90013	On-site Safety Training Facility	110&210	20,000	-	20,000	
64	90014	Power Supply Replacement for SCADA RTU's	110	18,000	9,000	9,000	-
				\$ 59,959,900	\$ 9,430,900	\$ 50,529,000	\$ 6,529,000
New Projects							
65	2012100001	Annual Steel Tank Refurbishment	110				769,000
66	2012100002	Richland Invert Replacement	210&220				675,000
67	2012100003	Sagewood Place Waterline Replacement	110				575,000
68	2012100004	Tertiary Filter Media	210				183,800
69	2012100005	Secondary Skimmer Controls (4)	210				157,200
70	2012100006	District-wide Valve Replacement Program	110				156,000
71	2012100007	TriOxyn Odor Control	210				102,000
72	2012100008	HVAC Improvements	110&210				100,000
73	2012100009	6" Solids Pipe Vault	210				96,000
74	2012100010	Surge Tank & 12" Plug Valve	250				73,000
75	2012100011	Lift Station One #3 Pump & Motor Assembly	250				64,000
76	2012100012	Flow Meter Station - Encina	210				42,000
77	2012100013	Influent Chlorine Analyzer at TOR	110				40,000
78	2012100014	Twin Oaks Reservoir Asphalt & Sealing	110				39,000
79	2012100015	Effluent Piping Check Valves (2)	210				35,500
80	2012100016	Chlorine Flow Control Valves at TOR	110				20,000
81	2012100017	Aluminum Safety Railing at Treatment Plant	220				10,000
82	2012100018	Channel Blower Replacement	210				7,500
				\$ -	\$ -	\$ -	\$ 3,145,000
				\$ 59,959,900	\$ 9,430,900	\$ 50,529,000	\$ 9,674,000
						\$60,203,000	

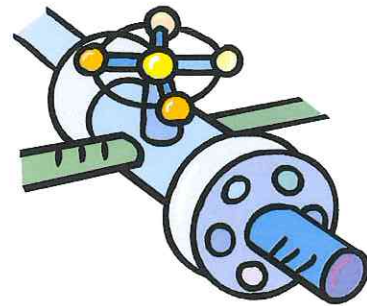
VALLECITOS WATER DISTRICT

Comprehensive Project List

Project Total	Spending by Fiscal Year						Page Number
	2011-12	2012-13	2013-14	2014-15	2015-16	2016 to 2030	
\$ 28,150,000	\$ 150,000	\$ 150,000	\$ 900,000	\$ 6,800,000	\$ 15,000,000	\$ 5,000,000	32
15,400,000	1,100,000	2,300,000	5,950,000	2,050,000			33
4,434,000	20,000	-	-	1,286,000	2,607,500		34
3,860,000	-	10,000	150,000	150,000	2,450,000	1,000,000	35
3,302,100	1,779,900	674,400					36
1,960,000	765,000	970,000					37
1,160,000	120,000	920,000					38
875,000	116,600	116,700					39
840,000	70,000						40
835,000	-	-	-	834,000			41
790,000	-	-	-	(650,000)	340,000		42
775,000	700,000						43
591,000	50,000	106,000	103,600	54,000	132,500	46,700	44
529,000	100,000	50,000	50,000	49,000			45
460,000	50,000	50,000	100,000	100,000	100,000		46
400,000	-	-	175,000	220,000			47
350,000	-	-	-	349,700			48
350,000	350,000						49
240,000	10,000	10,000	10,000	184,000			50
210,000	50,000						51
199,500	50,000	-	-	72,100			52
180,000	-	60,000	61,400				53
130,000	64,000	64,000					54
124,000	120,000						55
75,000	75,000						56
63,500	32,000						57
63,000	-	-	-	25,000			58
35,800	35,800						59
27,000	9,000	9,600					60
21,000	16,000						61
21,000	4,500						62
20,000	-	-	-	20,000			63
18,000	4,500	4,500	-	-	-	-	64
\$ 66,488,900	\$ 5,842,300	\$ 5,495,200	\$ 7,500,000	\$ 11,543,800	\$ 20,630,000	\$ 6,046,700	
769,000	345,000	212,000	212,000				65
675,000	50,000	125,000	500,000				66
575,000	575,000						67
183,800	92,000	91,800					68
157,200	78,800	78,400					69
156,000	156,000						70
102,000	102,000						71
100,000	50,000	50,000					72
96,000	46,000	50,000					73
73,000	73,000						74
64,000	64,000						75
42,000	42,000						76
40,000	40,000						77
39,000	11,000	28,000					78
35,500	35,500						79
20,000	20,000						80
10,000	10,000						81
7,500	7,500	-					82
\$ 3,145,000	\$ 1,797,800	\$ 635,200	\$ 712,000	\$ -	\$ -	\$ -	
\$ 69,633,900	\$ 7,640,100	\$ 6,130,400	\$ 8,212,000	\$ 11,543,800	\$ 20,630,000	\$ 6,046,700	

Capital Improvement Program Encina Land Parallel Outfall

Description: This project call for the installation of approximately 43,500 feet of new outfall pipeline varying between 18 and 30 inches in diameter. The pipeline will parallel the existing sewer interceptor from Lift Station No. 1 to the Encina Water Pollution Control Facility.



Project Manager: James Gumpel

Department: Engineering

Project: 90001
Work Order: 90001

Funding Source: 100% Fund 220 – Sewer Capacity

Comments: This project will increase the District’s sewer handling capacity by allowing more wastewater flow to the Encina Water Pollution Control Facility. The District will work with other interested agencies (City of Carlsbad, Buena Sanitation District & City of Vista) when possible in pursuit of cost-sharing alternatives.

Operations Impact: Increased sewerage handling capacity/ additional flexibility & redundancy in outfall system during average and low flow periods. Annual, routine sewer pipeline maintenance is expected with the completion of this project.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning	\$150,000	\$150,000					\$300,000
Design			\$150,000	\$900,000	\$1,800,000		\$2,850,000
Construction					\$5,000,000	\$20,000,000	\$25,000,000
Total	\$150,000	\$150,000	\$150,000	\$900,000	\$6,800,000	\$20,000,000	\$28,150,000

Additional FY 11/12 Budget Request - \$4,050,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2008	January-2009	June-2012	July-2012	June-2015	July-2014	June-2015	June-2015

Capital Improvement Program San Marcos Interceptor

Description: The project consists of constructing approximately 5,000 LF of 36” sewer interceptor replacing an existing 21” sewer line. The existing line is prone to groundwater inflow and infiltration (I&I) and at risk for failure.



The sewer interceptor runs along San Marcos Creek from north of the 78 FWY past McMahr Road. The project includes open cut and tunnel section as well as right of way acquisition.

Project Manager: James Gumpel

Department: Engineering

Project: 71004
Work Order: 71004 (9629)

Funding Source: 31% Fund 210 – Sewer Replacement
69% Fund 220 – Sewer Capacity

Comments: This project is identified in the 2002 Master Plan. The reduction of I&I will help extend the life of the sewer system downstream of the San Marcos interceptor and reduce unnecessary treatment of groundwater at Encina and Meadowlark. The new line will also reduce the likelihood of spills within San Marcos Creek.

Budget reduction due to using open trench method rather than tunneling during construction.

Operations Impact: Minimal impact is anticipated as this project increases the size of an existing sewer line and does not add significant lineal footage of sewer for maintenance.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning	\$500,000						\$500,000
Design	\$1,500,000	\$250,000	\$100,000				\$1,850,000
Construction	\$2,000,000	\$850,000	\$2,200,000	\$5,950,000	\$2,050,000		\$13,050,000
Total	\$4,000,000	\$1,100,000	\$2,300,000	\$5,950,000	\$2,050,000	\$0	\$15,400,000

FY 11/12 Budget Reduction - (\$750,000)

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-1996	July-1996	June-2007	July-1998	October-2011	July-2011	June-2015	June-2015

Capital Improvement Program Meadowlark Tank No. 3

Description: This existing Meadowlark Tank site is comprised of one 1.25 million gallon tank and a second 2.75 million gallon tank. The 1.25 million gallon tank will be demolished and replaced by a new 2.8 million gallon tank. As part of this project, grading for a future 2.8 million gallon Meadowlark Tank No. 4 will also occur. Site improvements include grading and clearing, landscaping, and installation of new 20” and 16” inlet/outlet piping.



Project Manager: James Gumpel

Department: Engineering

Project: 71084

Funding Source: 35% Fund 110 – Water Replacement

Work Order: 71084 (204280)

65% Fund 120 – Water Capacity

Comments: The site was master planned during the 76-1 Assessment District to accommodate three tanks total. The final tank is not expected to be needed until 2021. At build-out, the Meadowlark Tanks will provide a total storage capacity of 8.35 million gallons.

Operations Impact: The project will increase capacity at the site by 1.55 million gallons with the construction of the new tank. Daily monitoring of water levels and conditions at the tank site is expected.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning	\$123,000						\$123,000
Design	\$397,500	\$20,000					\$417,500
Construction					\$1,286,000	\$2,607,500	\$3,893,500
Total	\$520,500	\$20,000	\$0	\$0	\$1,286,000	\$2,607,500	\$4,434,000

FY 11/12 Budget Reduction - (\$29,000)

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2003	August-2003	March-2004	April-2004	June-2013	September-2014	June-2016	June-2016

Capital Improvement Program Mountain Belle Pump Station

Description: This project involves the construction of three 1,000 gallon-per-minute pumps and 125 horsepower motors, along with all corresponding electronics, within a new building next to the existing Mountain Belle Reservoir. Approximately 1,800 feet of 16-inch connector pipe from the pump station to an existing 10” pipeline in the North Twin Oaks (1330’) Pressure Zone will also be installed.



Project Manager: James Gumpel

Department: Engineering

Project: 71219

Funding Source: 100% Fund 120 – Water Capacity

Work Order: 71219 (207504)

Comments: The Mountain Belle Pump Station is intended to serve as a completely redundant water supply to the new North Twin Oaks (1330’) pump station. It will be sized to meet ultimate build-out demands in the North Twin Oaks 1330’ Pressure Zone, the 1059’ Pressure Zone, and the North 1228’ Pressure Zone. A pad for this pump station has already been placed next to the Mountain Belle Reservoir (see picture above).

Operations Impact: Redundant pumping capacity to the North Twin Oaks Pressure Zone. Daily, routine monitoring and inspections of the pump station is expected, as are regular maintenance efforts and some infrequent repair work.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning	\$10,000						\$10,000
Design	\$90,000		\$10,000	\$150,000	\$150,000		\$400,000
Construction						\$3,450,000	\$3,450,000
Total	\$100,000	\$0	\$10,000	\$150,000	\$150,000	\$3,450,000	\$3,860,000

FY 11/12 Budget Request - \$0

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2006	August-2006	February-2007	February-2007	April-2015	July-2015	June-2016	June-2016

**Capital Improvement Program
Encina Wastewater Authority – Capital Projects**

Description: The District is a member agency of the Encina Wastewater Authority (EWA). The District shares in the cost of planned asset replacements and capital acquisitions.



Project Manager: Dennis Lamb

Department: Engineering

Project: 2010100001

Funding Source: 64% Fund 210 – Sewer Replacement
36% Fund 220 – Sewer Capacity

Comments: These miscellaneous capital projects are budgeted each year.

Operations Impact: No significant increase in costs or changes in efficiencies are anticipated from this project..

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning							\$0
Design							\$0
Construction	\$847,800	\$1,779,900	\$674,400				\$3,302,100
Total	\$847,800	\$1,779,900	\$674,400	\$0	\$0	\$0	\$3,302,100

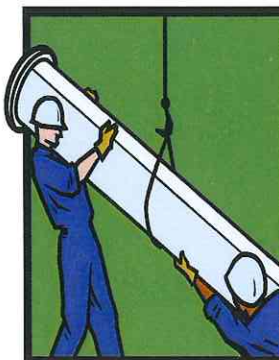
FY 11/12 Budget Request - \$2,018,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2009							June-2013

Capital Improvement Program Linda Vista Sewer East

Description: This project calls for the upsizing of approximately 3,400 feet of 8” VCP sewer main from the intersection of Bingham Drive and Furniture Row to the intersection of Linda Vista Drive and Las Posas Road. This pipeline will be replaced by new 12” PVC sewer main. This will eliminate an existing surcharging condition and also accommodate planned development.



Project Manager: James Gumpel

Department: Engineering

Project: 2010100002
Work Order

Funding Source: 45% Fund 210 – Sewer Replacement
55% Fund 220 – Sewer Capacity

Comments: This project will bring relief to a section of existing sewer pipe within Linda Vista Drive to the east of Las Posas Road that is currently operating beyond its design limits. The 2002 Master Plan has identified this upgrade as Project P89.

Operations Impact: Annual and routine sewer pipeline maintenance

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning	\$5,000						\$5,000
Design	\$220,000	\$65,000					\$285,000
Construction		\$700,000	\$970,000				\$1,670,000
Total	\$225,000	\$765,000	\$970,000	\$0	\$0	\$0	\$1,960,000

Additional FY 11/12 Budget Request - \$440,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2009	January-2010	March-2010	April-2010	September-2011	October-2011	September-2012	October-2012

Capital Improvement Program Rock Springs Sewer Replacement

Description: This project calls for the removal of approximately 3,000 feet of 8” VCP sewer main and 19 manholes within Rock Springs Road. This will be replaced by 3,000 feet of new PVC sewer main and 19 new manholes. This will eliminate an existing surcharging condition in the District’s collection system between Woods Dr. and Hannigans Way within a greenbelt drainage area south of Rock Springs Rd.



Project Manager: James Gumpel

Department: Engineering

Project: 90003
Work Order: 90003

Funding Source: 45% Fund 210 – Sewer Replacement
55% Fund 220 – Sewer Capacity

Comments: This project will bring relief to a section of existing sewer pipe within a greenbelt drainage area that is currently operating beyond its design limits.

Operations Impact: Less inflow and infiltration into the collection system; reduced risk of sewer spilling. Annual, routine sewer pipeline maintenance is expected with the completion of this project.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning	\$40,000						\$40,000
Design	\$80,000	\$95,000					\$175,000
Construction		\$25,000	\$920,000				\$945,000
Total	\$120,000	\$120,000	\$920,000	\$0	\$0	\$0	\$1,160,000

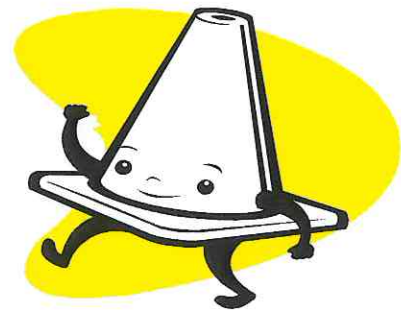
FY 11/12 Budget Request - \$0

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2008	July-2008	January-2010	February-2010	March-2012	April-2012	April-2013	June-2013

Capital Improvement Program Questhaven Basin Water and Sewer Facilities

Description: The 2002 Master Plan required the oversizing of water and sewer facilities to provide adequate infrastructure within the Questhaven basin. The Master Development Agreement with San Elijo Hills incorporated these facilities for construction and reimbursement of oversizing costs.



Project Manager: Dennis Lamb

Department: Engineering

Project: 71077

Funding Source: 50% Fund 120 – Water Capacity

Work Order: 71077 (204030)

50% Fund 220 – Sewer Capacity

Comments: The remaining reimbursable items include payment for increased water main pipe size from 12” to 16” in Planning Area O.

Operations Impact: None

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning							\$0
Design							\$0
Construction	\$641,700	\$116,600	\$116,700				\$875,000
Total	\$641,700	\$116,600	\$116,700	\$0	\$0	\$0	\$875,000

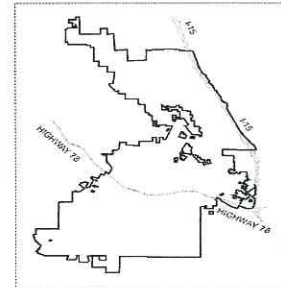
FY 11/12 Budget Request - \$0

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2003					July-2009	June-2013	June-2013

**Capital Improvement Program
Water & Sewer Master Plan
Strategic Plan Task 1.1.2**

Description: The District’s 2002 Master Plan is becoming dated as project priorities shift and land use agencies approve zoning changes in the District’s boundaries. In addition, the District is in process of completing an Integrated Water Resources Master Plan that will identify available water resources that the District may want to pursue. These reasons will trigger the need for a master plan update.



Project Manager: James Gumpel

Department: Engineering

Project: 80002
Work Order: 80002

Funding Source: 50% Fund 120 – Water Capacity
50% Fund 220 – Sewer Capacity

Comments: An Environmental Impact Report will be prepared in conjunction with the master plan update. This document will detail the impacts, at a programmatic level, that the master plan projects may create on the community and the environment. The District is updating its existing water model and creating a new sewer model in preparation for this master plan update.

Operations Impact: Will identify new projects that will likely require frequent maintenance activities by Operations.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning	\$770,000	\$70,000					\$840,000
Design							\$0
Construction							\$0
Total	\$770,000	\$70,000	\$0	\$0	\$0	\$0	\$840,000

Additional FY 11/12 Budget Request - \$70,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2007	January-2008	August-2011	--	-	-	--	August-2011

Capital Improvement Program Old Questhaven Sewer Replacement

Description: Installation of 1400 feet of 24” PVC sewer main in the old Questhaven Road right-of-way, along with 6 new manholes; abandonment of 935 feet of 21” VCP and 255 feet of 21” PVC temporary sewer pipe in the old Questhaven Road right-of-way; abandonment of 1470 feet of 24” DIP temporary sewer pipe in Rancho Santa Fe Road.



Project Manager: James Gumpel

Department: Engineering

Project: 80001
Work Order: 80001

Funding Source: 77% Fund 210 – Sewer Replacement
23% Fund 220 – Sewer Capacity

Comments: This project will replace a section of existing temporary sewer pipe in the old Questhaven Road right-of-way. The new pipe section will be higher in elevation to connect to the permanent pipeline in Rancho Santa Fe Road and allow the temporary pipeline in both old Rancho Santa Fe Road and old Questhaven Road right-of-way and San Marcos Creek to be abandoned.

Operations Impact: Less inflow and infiltration into the collection system; abandonment of a temporary sewer pipeline. Annual, routine sewer pipeline maintenance is expected with the completion of this project.

Project Spending Plan

Project Phase	Previous FY	FY 11/12	FY 12/13	FY 13/14	FY 13/14	FY 14/15	Total
Planning	\$1,000					\$9,000	\$10,000
Design						\$75,000	\$75,000
Construction						\$750,000	\$750,000
Total	\$1,000	\$0	\$0	\$0	\$0	\$834,000	\$835,000

FY 11/12 Budget Request - \$0

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2007	July-2007	February-2013	March-2013	March-2014	April-2014	April-2015	June-2015

Capital Improvement Program Wulff Pressure Reducing Station

Description: This project will install a new pressure reducing station to allow water to be pumped from the High Point hydro-pneumatic pump station to the Wulff pressure zone.



Project Manager: James Gumpel

Department: Engineering

Work Order: 71025

Funding Source: 100% Fund 110 – Water Replacement

Comments: After the High Point residential development is completed to the south, an offsite waterline and pressure reducing station will be built to provide an additional source of water from the High Point/Palos Vista area. The offsite waterline construction is the developer’s responsibility.

Operations Impact: The operation of Wulff Pump Station will be reduced after the installation of the proposed pressure reducing station. The new pressure reducing station will allow for a redundant water supply to the Wulff pressure zone.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning	\$900,000						\$900,000
Design	\$200,000					\$50,000	\$250,000
Construction						\$290,000	\$290,000
Recovery					-\$650,000		-\$650,000
Total	\$1,100,000	\$0	\$0	\$0	-\$650,000	\$340,000	\$790,000

FY 11/12 Budget Request - \$0

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2011	August-2011	June-2012	July-2014	February-2015	March-2015	June-2015	June-2016

Capital Improvement Program Wulff Tank Replacement

Description: Replacement of the existing 0.1 MG Wulff Tank with a new 0.35 MG Tank.



Project Manager: James Gumpel

Department: Engineering

Project: 2011100001

Funding Source: 30% Fund 110 – Water Replacement
70% Fund 120 – Water Capacity

Comments: The existing 0.1 MG Wulff Tank is currently leaking, in bad condition and in need of replacement. The Tank is past its useful life (1968) and repair is not an option. The existing storage is insufficient and additional storage is required to meet demand. The project is identified in the 2002 Master Plan as part of the Palos Vista/Wulff 1500 Pressure Zone project.

Operations Impact: The project will add 0.25 MG of storage to the service area.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning							\$0
Design	\$75,000						\$75,000
Construction		\$700,000					\$700,000
Recovery							\$0
Total	\$75,000	\$700,000	\$0	\$0	\$0	\$0	\$775,000

FY 11/12 Budget Request - \$0

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2001			July-2010	March-2011	June-2011	November-2011	December-2011

Capital Improvement Program Vulnerability Assessment Improvements

Description: The District completed the Vulnerability Assessment as required by the Department of Homeland Security. Recommended improvements were identified and being phased in.



Project Manager: Jerome Janus

Department: Engineering - Safety

Project: 71126
Work Order: 71126 (205120)

Funding Source: 60% Fund 120 – Water Capacity
40% Fund 220 – Sewer Capacity

Comments: Implementing safety measures to mitigate vulnerabilities is an on-going process. Due to the highly confidential and sensitive nature of the assessment findings, specific improvements are not defined in this document. Security measures are implemented with the most vulnerable areas addressed first.

Operations Impact: Continual review of measures implemented and discovery of unidentified areas.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning							\$0
Design							\$0
Construction	\$98,200	\$50,000	\$106,000	\$103,600	\$54,000	\$179,200	\$591,000
Total	\$98,200	\$50,000	\$106,000	\$103,600	\$54,000	\$179,200	\$591,000

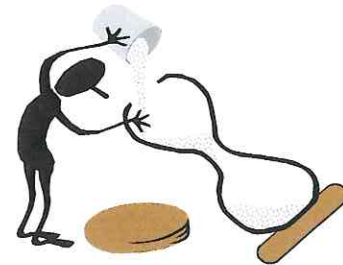
FY 11/12 Budget Request - \$0

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2004							June-2016

Capital Improvement Program Meter Replacement

Description: This project is established to continue replacing manual and touch read meters within the district to automated meter reading to improve the accuracy of reads.



Project Manager: Zac Garcia

Department: Meters

Project: 2010100035
Work Order: 107346

Funding Source: 100% Fund 110 – Water Replacement

Comments: Meters without components used for automation are upgraded to comply with automation requirements and inclusion in the radio meter read process.

Operations Impact: Normal maintenance is expected with the completion of this project.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning							\$0
Design							\$0
Construction	\$280,000	\$100,000	\$50,000	\$50,000	\$49,000		\$529,000
Total	\$280,000	\$100,000	\$50,000	\$50,000	\$49,000	\$0	\$529,000

FY 11/12 Budget Request - \$0

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2008					July-2008	June-2015	June-2015

Capital Improvement Program Environmental Mitigation Property

Description: This project allocates funds for the purchase and/or maintenance of mitigation property for the environmental impacts associated with future District capital projects. Such funds could be utilized for either purchasing credits at existing mitigation banks, or purchasing property for performance of mitigation.



Project Manager: James Gumpel

Department: Engineering

Project: 2010100003

Funding Source: 90% Fund 220 – Sewer Capacity
10% Fund 120 – Water Capacity

Comments: This project will fund land and credit purchases for projects identified in the 2002 Master Plan for purposes of environmental mitigation. These funds could move to and from other capital projects, such as the San Marcos Interceptor Sewer or the Encina Land Parallel Outfall, or to easement acquisition and/or maintenance.

Operations Impact: Maintenance of purchased property is expected. This may include extended maintenance of mitigation property that could require the service of a specialty contractor.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning	\$60,000	\$50,000	\$50,000	\$100,000	\$100,000	\$100,000	\$460,000
Design							\$0
Construction							\$0
Total	\$60,000	\$50,000	\$50,000	\$100,000	\$100,000	\$100,000	\$460,000

FY 11/12 Budget Reduction - (\$100,000)

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2009	July-2009	June-2016	-	-	-	-	June-2016

Capital Improvement Program Bioxide Injection Station

Description: New facility for bioxide injection into the sewer system. Facility will consist of a building to house the bioxide tank, a manhole over the Land Outfall line and taping the line to establish an injection point and acquisition of electrical power.



Project Manager: James Gumpel

Department: Engineering

Project: 80009

Funding Source: 100% Fund 220 – Sewer Capacity

Work Order: 80009

Comments: A temporary site was installed off Poinsettia Road in Carlsbad to study the effect of bioxide injection at the site. The test was successful and revealed that maximum results could be achieved by locating a permanent injection station one mile east of where the test was performed. Injecting bioxide at the new site will increase the effectiveness of the bioxide due to a longer detention time. A decrease in the amount of bioxide needed for the treatment of the sewer outfall line may result from the longer detention time thus decreasing the overall amount spent on bioxide.

Operations Impact: Normal maintenance of the facility, bioxide and monthly electric service.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning	\$5,000						\$5,000
Design				\$150,000			\$150,000
Construction				\$25,000	\$220,000		\$245,000
Total	\$5,000	\$0	\$0	\$175,000	\$220,000	\$0	\$400,000

Additional FY 11/12 Budget Request - \$300,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2007	July-2010	June-2011	June-2013	June-2014	July-2014	April-2015	June-2015

Capital Improvement Program O&M Improvements to Central Building

Description: The Operations and Maintenance Building (Building B) has been modified over the past few years to accommodate the current level of employees. All available space has been efficiently utilized. Wasted space in the open center of the building could be used if enclosed. This budget item is for developing a preliminary design and cost for the building improvements that would be considered in a later budget.



Project Manager: Dennis Lamb

Department: Engineering

Project: 71159

Funding Source: 50% Fund 110 – Water Replacement
50% Fund 210 – Sewer Replacement

Work Order: 71159 (207801)

Comments: Staff is contemplating a two story component in the center to double the usable office space, store various information maintained by the department and store emergency supplies.

Operations Impact: None at this time

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning							\$0
Design	\$300				\$349,700		\$350,000
Construction							\$0
Total	\$300	\$0	\$0	\$0	\$349,700	\$0	\$350,000

FY 11/12 Budget Request - \$0

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2006	July-2006						June-2015

Capital Improvement Program Annual Sewer Replacement and I&I Repairs

Description: During the course of the year, unexpected damage and emergency repairs are needed. This budget item sets aside money to perform necessary repairs.



Project Manager: Rich Arrant

Department: Collections

Project: 2010100004

Funding Source: 100% Fund 210 – Sewer Replacement

Comments: These funds will only be used after review and approval by the District Engineer and Operations and Maintenance Manager.

Operations Impact: None

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning							\$0
Design							\$0
Construction		\$350,000					\$350,000
Total	\$0	\$350,000	\$0	\$0	\$0	\$0	\$350,000

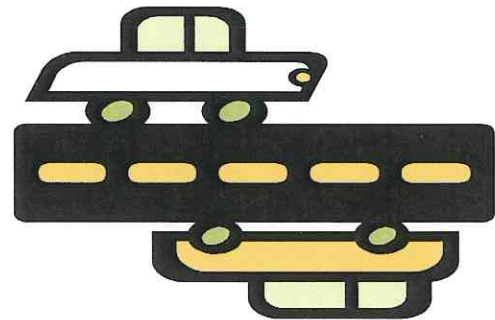
Additional FY 11/12 Budget Request - \$350,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2008							June-2012

Capital Improvement Program Land Outfall Clearing & Access Road

Description: The Land Outfall is located with easements for a significant portion of its length where it runs parallel to Palomar Airport Road in Carlsbad. One parcel of land is wet and swampy and is being developed as a mitigation bank by the land owner. This is an opportunity to remove the overgrown vegetation while it is being developed and construct a drivable access.



Project Manager: Dennis Lamb

Department: Engineering

Project: 71177

Funding Source: 100% Fund 210 – Sewer Replacement

Work Order: 71177 (207704)

Comments: The developer has included the District in the process and considered this access in the permitting and developing of the site. The Outfall is owned by the District and shares capacity in this stretch with the cities of Carlsbad and Vista and the Buena Sanitation District. The joint agreement requires them to pay their proportionate share of this maintenance activity.

Operations Impact: Routine maintenance

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 13/14	FY 14/15	Total
Planning							\$0
Design							\$0
Construction	\$26,000	\$10,000	\$10,000	\$10,000	\$184,000		\$240,000
Total	\$26,000	\$10,000	\$10,000	\$10,000	\$184,000	\$0	\$240,000

FY 11/12 Budget Request - \$0

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2006					July-2008	June-2014	June-2014

Capital Improvement Program Center Drive Sewer Replacement

Description: Replace approximately 235’ of 8” sewer line and one manhole, rehabilitate one sewer lateral, and remove a manhole in Center Drive.



Project Manager: James Gumpel

Department: Engineering

Project Number: 2011100003

Funding Source: Fund 210 – Sewer Replacement

Comments: Camera inspection has revealed a sag or flat section in the line which affects the carrying capacity of the sewer and increases the frequency of cleaning. The work is planned to be done at the same time as the new Costco construction in order to reduce traffic congestion if done separately.

Operations Impact: Minimize additional cleaning in the main and improve flow characteristics.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning							
Design	\$5,000						\$5,000
Construction	\$155,000	\$50,000					\$205,000
Total	\$160,000	\$50,000	\$0	\$0	\$0	\$0	\$210,000

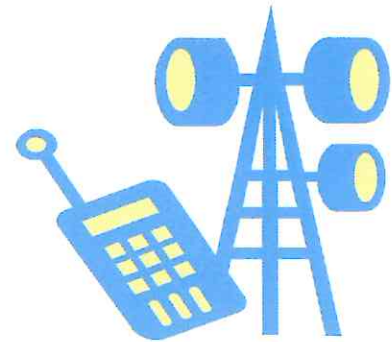
FY 11/12 Budget Request - \$0

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2010			July-2010	August-2010	May-2011	June-2012	June-2012

Capital Improvement Program Radio Communication System Phase II

Description: Phase I covered improvements to the District’s system includes the purchase of a new repeater station, potentially a booster station, 40 mobile units and 10 handheld radios. For a total cost of approximately \$75,000.



Phase II will cover moving the existing equipment to a better location allowing more complete coverage of the north end of the District and a second repeater and FCC license for a second repeater in the southern end of the District.

Project Manager: Robert Salazar

Department: Mechanical/Electrical

Project: 71086

Funding Source: 50% Fund 110 – Water Replacement

Work Order: 71086 Phase I 20433

50% Fund 210 – Sewer Replacement

Comments: The current system is over 20 years old and has coverage limitation in the extreme southern and northern areas and some valley areas of the District. The older mobile and the handheld radios have become outdated and spare parts are no longer available. Staff has reviewed the Regional Communication System (RCS) and concluded the benefit does not justify the cost to purchase the specified radios and pay the annual maintenance fees.

Operations Impact: Annual maintenance

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning							\$0
Design							\$0
Construction	\$77,400	\$50,000			\$72,100		\$199,500
Total	\$77,400	\$50,000	\$0	\$0	\$72,100	\$0	\$199,500

FY 11/12 Budget Request - \$0

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2003							June-2015

Capital Improvement Program Flow Monitoring Stations

Description: Six additional permanent stations to accommodate growth of the system.



Project Manager: Rich Arrant

Department: Operations & Maintenance

Project: 71122

Funding Source: 100% Fund 220 – Sewer Capacity

Work Order: 71122 (205070)

Comments: The placement of the monitoring meters assists in locating and fixing areas of inflow and infiltration. Unusual changes in flow can be monitored for detection of possible main line breaks or other problems in the system. Three stations remain to be installed.

Operations Impact: None

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning							\$0
Design							\$0
Construction	\$58,600		\$60,000	\$61,400			\$180,000
Total	\$58,600	\$0	\$60,000	\$61,400	\$0	\$0	\$180,000

FY 11/12 Budget Request - \$0

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2004							June-2014

**Capital Improvement Program
Rotating Biological Contactors (RBC) - Demolition and Removal**

Description: Demolition and removal of the decommissioned RBC's once the plant upgrade is complete.



Project Manager: Rich Arrant

Department: Meadowlark Reclamation Facility

Project: 80007

Funding Source: 100% Fund 220 – Sewer Capacity

Work Order: 80007

Comments: Once the plant upgrade is complete and the new processes are online, the RBC's will be taken out of service. These RBC's need to be removed because of the needed access around the other processes. Removing the RBC's will also eliminate any possibility of emitting residual odors even after they have been taken off line and cleaned.

Operations Impact: None

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning							\$0
Design							\$0
Construction	\$2,000	\$64,000	\$64,000				\$130,000
Total	\$2,000	\$64,000	\$64,000	\$0	\$0	\$0	\$130,000

FY 11/12 Budget Request - \$0

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2007					July-2008	June-2013	June-2013

**Capital Improvement Program
Larchwood Drive Sewer Line**

Description: Replace lateral with a sewer main and connect the five private laterals to the main.



Project Manager: James Gumpel

Department: Engineering

Project: 71069

Funding Source: 100% Fund 210 – Sewer Replacement

Work Order: 71069 (20335)

Comments: Five homes off of Fulton Road are served through a common private sewer lateral on Larchwood Drive. The District has received complaints of a plugged line and responds. Although, the responsibility for maintenance and repairs have been left to the private lateral owners. There is no record that the lateral is a public main but it is in a District easement. With the potential for regulatory issues and the potential for fines against the District associated with a sewer spill, it is in the best interest of the District to replace the lateral with a sewer main and connect the five private laterals to the main.

Operations Impact: Annual maintenance

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning							\$0
Design	\$4,000	\$5,000					\$9,000
Construction		\$115,000					\$115,000
Total	\$4,000	\$120,000	\$0	\$0	\$0	\$0	\$124,000

Additional FY 11/12 Budget Request - \$60,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2003					April-2012	June-2012	June-2012

Capital Improvement Program City of San Marcos Joint Projects

Description: This amount is set-aside to cover services rendered in conjunction with various City of San Marcos projects involving District infrastructure per the District/City Cost Sharing Agreement dated March 31, 2009.



Project Manager: Ken Gerdes

Department: Engineering

Project: 90007

Funding Source: 80% Fund 110 – Water Replacement
20% Fund 210 – Sewer Replacement

Comments: These projects vary by fiscal year and are in conjunction with the City’s Capital Improvement Plan.

Operations Impact: Normal maintenance for infrastructure

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning							\$0
Design							\$0
Construction		\$75,000					\$75,000
Total	\$0	\$75,000	\$0	\$0	\$0	\$0	\$75,000

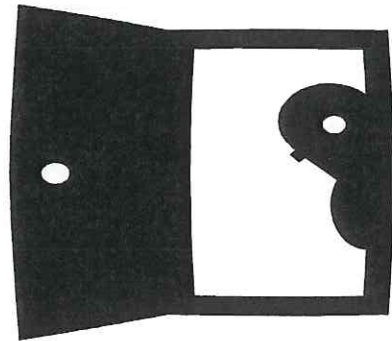
FY 11/12 Budget Request - \$75,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	June-2012
						June-2012	June-2012

Capital Improvement Program Roughing Filter Access Door

Description: Allow safe and easy access for and into the roughing filters for daily observation, weekly distributor arm wash down and annual maintenance.



Project Manager: Dawn McDougle

Department: Meadowlark Reclamation Facility

Project: 2011100004

Funding Source: 100% Fund 210 – Sewer Replacement

Comments: Currently the only access into the roughing filter is from the top hatch. The roughing filter is a permit required confined space. District staff has evaluated the installation of a door on the top backside of each roughing filter for access into the roughing filter. It still would be a permit required confined space but the entry team and rescue team would be able to access from the ground level and make a horizontal entry eliminating the fall hazard and have more room for the required personnel.

Operations Impact: MRF staff would have safer access for observation and wash down plus eliminate the fall hazard.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning							\$0
Design	\$500						\$500
Construction	\$31,000	\$32,000					\$63,000
Total	\$31,500	\$32,000	\$0	\$0	\$0	\$0	\$63,500

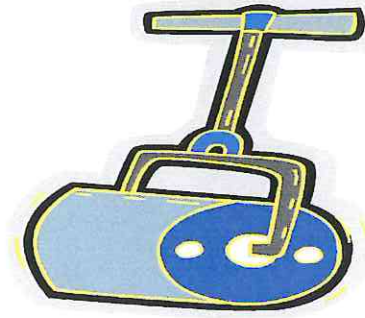
Additional FY 11/12 Budget Request - \$32,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2010							June-2012

Capital Improvement Program Pavement Maintenance for Facilities

Description: District staff is currently anticipating paving and sealing Richland I tank site, repairing cracks and sealing North Twin Oaks reservoir, and Palomar and Richland II tank sites, as well as Coggan pump station and Richland tank access roads.



Project Manager: Rich Arrant

Department: Operations & Maintenance

Project: 71088

Funding Source: 100% Fund 110 – Water Replacement

Work Order: 71088 (204484)

Comments: Specific sites will be identified and brought before the General Manager for approval prior to any work commencing.

Operations Impact: None

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning							\$0
Design							\$0
Construction	\$38,000				\$25,000		\$63,000
Total	\$38,000	\$0	\$0	\$0	\$25,000	\$0	\$63,000

Additional FY 11/12 Request - \$13,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2003							June-2015

**Capital Improvement Program
Aluminum Sulfate/Poly Tank**

Description: This tank will store flocculation chemicals



Project Manager: Dawn McDougle

Department: Meadowlark Reclamation Facility

Project: 2011100017

Funding Source: 100% Fund 210 – Sewer Replacement

Comments: The current tank being used is over 20 years old. The walls of the tank are showing wear and no longer meet safety standards regarding access. The new tank will have a ladder and the necessary fall protection required.

Operations Impact: Normal maintenance

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning							\$0
Design							\$0
Construction		\$35,800					\$35,800
Total	\$0	\$35,800	\$0	\$0	\$0	\$0	\$35,800

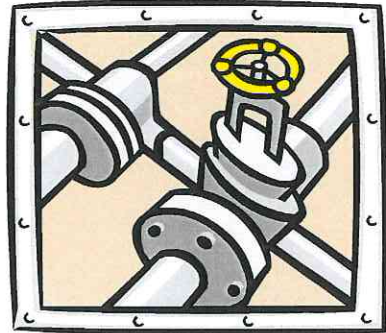
FY 11/12 Budget Request - \$0

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2010							June-2012

Capital Improvement Program 8" Pump Control Valves at Deer Springs Pump Station

Description: Install of pump control valves will eliminate surges caused by pump starting and stopping.



Project Manager: Robert Salazar

Department: Mechanical/Electrical

Project: 2011100005

Funding Source: 100% Fund 110 – Water Replacement

Comments: the 60-11's from Cla-Val are what VWD specs out for potable water pump stations. The current valves have had many control and maintenance problems. Installation of these new valves will provide operators more reliable control and less maintenance.

Operations Impact: Routine Maintenance

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning							\$0
Design							\$0
Construction	\$8,400	\$9,000	\$9,600				\$27,000
Total	\$8,400	\$9,000	\$9,600	\$0	\$0	\$0	\$27,000

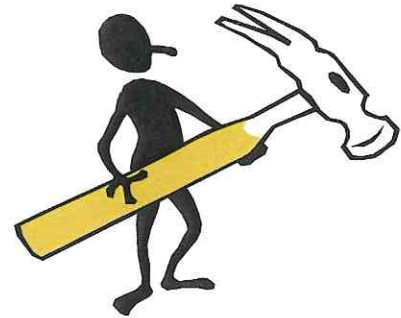
FY 11/12 Budget Request - \$0

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2010							June-2013

Capital Improvement Program Water Storage Tanks Retrofitting

Description: Trip and fall protection upgrade to meet Cal-OSHA requirements. This budget item will provide for the retrofitting of tanks with additional anchor points and connections.



Project Manager: Jerome Janus

Department: Engineering - Safety

Project: 80011
Work Order: 80011

Funding Source: 100% Fund 120 – Water Capacity

Comments: Installation of these systems are intended to provide continuous positive connection to walking/working surfaces and reduce exposure to trip and fall injuries.

Operations Impact: Routine maintenance

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning							\$0
Design							\$0
Construction	\$5,000	\$16,000					\$21,000
Total	\$5,000	\$16,000	\$0	\$0	\$0	\$0	\$21,000

FY 11/12 Budget Request - \$0

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2007					July-2010	June-2012	June-2012

**Capital Improvement Program
40' Antenna Masts for SCADA Radios**

Description: New radios are being installed that provide for faster and stronger communication throughout the radio network. The radio signals depend on a "line-of-sight" between each antenna in order to function properly.



Project Manager: Ed Pedrazzi

Department: Water Systems Operations

Project: 90012
Work Order: 90012

Funding Source: 100% Fund 120 – Water Capacity

Comments: Some of VWD antennas are located in areas that severely restrict communications due to topography. A survey of the system was conducted and revealed 6 sites that are in need of upgrading. The current antenna masts are 15 to 20 feet high. Raising the antennas an extra 20 to 25 feet will allow the radios to communicate to more radios in the network which provides for redundancy and faster transmission rates. The masts are light weight and designed to withstand hurricane force winds.

Operations Impact: Routine maintenance

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 14/15	Total
Planning							\$0
Design							\$0
Construction	\$16,500	\$4,500					\$21,000
Total	\$16,500	\$4,500	\$0	\$0	\$0	\$0	\$21,000

FY 11/12 Budget Request - \$0

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2008					July-2008	June-2012	June-2012

**Capital Improvement Program
Construct Onsite Training Center**

Description: Construct onsite training center for confined space, trenching/shoring and HAZMAT team.



Project Manager: Jerome Janus

Department: Engineering - Safety

Project: 90013
Work Order: 90013

Funding Source: 50% Fund 110 – Water Replacement
50% Fund 210 – Sewer Replacement

Comments: Construction of this training center is intended to provide more realistic onsite training situations for district operations personnel and increased training at an accessible location.

Operations Impact: Routine maintenance

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning							\$0
Design							\$0
Construction					\$20,000		\$20,000
Total	\$0	\$0	\$0	\$0	\$20,000	\$0	\$20,000

FY 11/12 Budget Request - \$0

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2008					August-2014	June-2015	June-2015

Capital Improvement Program Power Supply Replacement of Existing RTU Electronics

Description: The SCADA electronics in the field are aging and require maintenance in order to be reliable. This project will replace the power supplies at 40 sites throughout the District.



Project Manager: Ed Pedrazzi

Department: Water Systems Operations

Project: 90014
Work Order: 90014

Funding Source: 100% Fund 110 – Water Replacement

Comments: Some problems with the older style power supply boards not switching over from AC power to battery backup during power outages. Also, newer radios use more power when the wattage is increased to help improve communications in the District. The older power supplies do not have the power to operate the radios at this level.

Operations Impact: Routine maintenance

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning							\$0
Design							\$0
Construction	\$9,000	\$4,500	\$4,500				\$18,000
Total	\$9,000	\$4,500	\$4,500	\$0	\$0	\$0	\$18,000

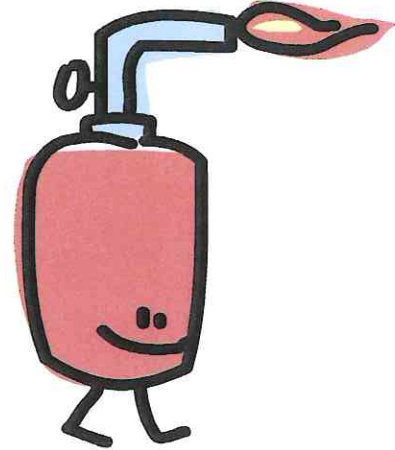
FY 11/12 Budget Request - \$0

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
					July-2008	June-2013	June-2013

Capital Improvement Program Annual Steel Tank Refurbishment

Description: On an annual basis some steel tanks require refurbishment such as recoating or other repairs based on the age of the coating system and annual tank diving inspections. Tanks also need to be updated to current OSHA standards. This budget sets aside money to perform necessary refurbishment.



Tank Schedule

- FY 11/12 – Meadowlark Tank No. 2
- FY 12/13 – Richland 1
- FY 13/14 – Meadowlark Tank No. 1

Project Manager: James Gumpel

Department: Engineering

Project: 2012100001

Funding Source: 100% Fund 110 – Water Replacement

Comments: The operations department will perform inspections on an annual basis and determine which tanks require refurbishment. Updating of tank appurtenances is also included such as safety equipment, electrical and cathodic protection.

Operations Impact: Routine maintenance

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning							\$0
Design		\$9,000	\$9,000	\$9,000			\$27,000
Construction		\$336,000	\$203,000	\$203,000			\$742,000
Total	\$0	\$345,000	\$212,000	\$212,000	\$0	\$0	\$769,000

FY 11/12 Budget Request - \$769,000

Estimated Project Timeline

Project Approval	Planning		Design		Implementation		Completion
	Begin	End	Begin	End	Begin	End	
July-2011							June-2014

Capital Improvement Program Richland Invert Replacement

Description: This project call for the replacement of the existing 100-foot wastewater siphon pipeline that travels under San Marcos Creek from the Diamond Environmental Services parking lot south of Mission Road to the 18-inch Richland Interceptor. The existing 8-inch and 10-inch pipelines will be replaced with a new 15-inch siphon to be located either at the existing pipelines' location or at a new crossing further to the west.



Project Manager: James Gumpel

Department: Engineering

Project: 2012100002

Funding Source: 100% Fund 110 – Water Replacement

Comments: The existing 8-inch and 10-inch invert pipelines were installed over 20 years ago and were originally designed to be temporary. Because of their size restrictions, they surcharge upstream gravity pipelines during peak flows. In addition, recent inspections by the District’s collection crew have revealed damage to the existing pipe. This project crosses underneath San Marcos Creek, and staff anticipates environmental wetland permitting requirements.

Operations Impact: The project increases sewage handling capacity in the collections system and solves an existing sewer surcharge issue during daily peak and wet weather events. Annual, routine sewer pipeline maintenance is expected with the completion of this project.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning		\$50,000					\$50,000
Design			\$75,000				\$75,000
Construction			\$50,000	\$500,000			\$550,000
Total	\$0	\$50,000	\$125,000	\$500,000	\$0	\$0	\$675,000

FY 11/12 Budget Request - \$675,000

Estimated Project Timeline

Project Approval	Planning		Design		Implementation		Completion
	Begin	End	Begin	End	Begin	End	
July-2011							June-2013

Capital Improvement Program Sagewood Place Waterline Replacement

Description: Replace approximately 2025 LF of existing 8” waterline in Sagewood Place. The pipeline has failed on numerous occasions over the past few years due to excessive corrosion and more failures are anticipated due to highly corrosive subsurface conditions.



Project Manager: James Gumpel

Department: Engineering

Project: 2012100003

Funding Source: 100% Fund 110 – Water Replacement

Comments: This project will prevent the existing pipeline from further failure due to corrosion by replacing the ductile iron pipe with a non-corrosive pipe material.

Operations Impact: The existing pipeline is corroding and subject to replacement. Operations and maintenance repair costs will be minimized at this location

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning							\$0
Design		\$20,000					\$20,000
Construction		\$555,000					\$555,000
Total	\$0	\$575,000	\$0	\$0	\$0	\$0	\$575,000

FY11/12 Budget Request - \$575,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2011			July-2011	September-2011	November-2011	June-2012	June-2012

Capital Improvement Program Tertiary Filter Media

Description: Replace Meadowlark’s tertiary coarse filter media with a finer filter media for better filtration.



Project Manager: Dawn McDougle

Department: Meadowlark Reclamation Facility

Project: 2012100004

Funding Source: 100% Fund 250 – Sewer Replacement

Comments: The media currently in Meadowlark’s tertiary filters is gravel and anthracite. These two medias are a coarser media allowing for more pass-through of finer particulate material. Having a finer media such as sand, finer anthracite and gravel would allow a more efficient capture of the finer material reducing a significant amount of coagulant usage. Meadowlark is required to meet Title 22 turbidity requirements of for the distribution of reclaimed water.

Operations Impact: Normal maintenance

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning							\$0
Design							\$0
Construction		\$92,000	\$91,800				\$183,800
Total	\$0	\$92,000	\$91,800	\$0	\$0	\$0	\$183,800

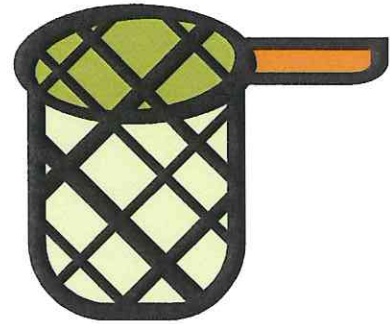
FY 11/12 Budget Request - \$183,800

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2010							June-2012

**Capital Improvement Program
Secondary Skimmer Controls (4)**

Description: Four of the secondary skimmer controls will be replaced each of the next two fiscal years.



Project Manager: Dawn McDougle

Department: Meadowlark Reclamation Facility

Project: 2012100005

Funding Source: 100% Fund 210 – Sewer Replacement

Comments: The skimmer controls require continued maintenance to keep them operating either manually or remotely. Staff has developed a new skimmer control that will soon be installed and tested. The bench testing mode has provided positive results. The control was designed in the event maintenance has to be done on the new skimmer control, the basin does not have to be taken off line as is currently the case.

Operations Impact: Normal maintenance

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning							\$0
Design							\$0
Construction		\$78,800	\$78,400				\$157,200
Total	\$0	\$78,800	\$78,400	\$0	\$0	\$0	\$157,200

FY 11/12 Budget Request - \$157,200

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2011							June-2013

Capital Improvement Program District-wide Valve Replacement Program

Description: Replace broken or leaking valves with new Gate valves throughout the District.



Project Manager: Kerek Howe

Department: Construction

Project: 2012100006

Funding Source: 100% Fund 110 – Water Replacement

Comments: The valve crew has discovered many broken valves requiring replacement. This project targets 20 valves per year over the next five years.

Operations Impact: Routine maintenance

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning							\$0
Design							\$0
Construction		\$156,000					\$156,000
Total	\$0	\$156,000	\$0	\$0	\$0	\$0	\$156,000

FY 11/12 Budget Request - \$156,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2011							June-2016

**Capital Improvement Program
TriOyxn Odor Control**

Description: Testing of sewer lines at three sites by injecting TriOyxn as an odor control agent. If tests prove successful, subsequent purchase and installation of equipment as permanent.



Project Manager: Corey Harrell

Department: Collections

Project: 2012100007

Funding Source: 100% Fund 210 – Sewer Replacement

Comments: The odor control measure will be purchased for three sites: (1) Lift Station #1, injected into the force main and outfall line, (2) Lake San Marcos Lift Station, injected into the wet well and (3) Poinsettia Injection site, injected into siphon portion of outfall. TriOyxn will also aid in the treatment process at Meadowlark by providing an ammonia free odor control agent.

Operations Impact: Estimated annual savings of approximately \$34,000

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning							\$0
Design							\$0
Construction		\$102,000					\$102,000
Total	\$0	\$102,000	\$0	\$0	\$0	\$0	\$102,000

FY 11/12 Budget Request - \$102,000

Estimated Project Timeline

Project Approval	Planning		Design		Implementation		Completion
	Begin	End	Begin	End	Begin	End	
July-2011							June-2012

Capital Improvement Program HVAC Improvements

Description: Assessment and improvements to the District Headquarters' heating, ventilation and air conditioning system



Project Manager: Len Caudle

Department: Administrative Services

Project: 2012100008

Funding Source: 60% Fund 110 – Water Replacement
40% Fund 210 – Sewer Replacement

Comments: The HVAC system is approaching 12 years old and in need of an efficiently assessment to improve the air flow through out each of the buildings at the District's Vallecitos de Oro site.

Operations Impact: Routine maintenance

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 14/15	Total
Planning							\$0
Design							\$0
Construction		\$50,000	\$50,000				\$100,000
Total	\$0	\$50,000	\$50,000	\$0	\$0	\$0	\$100,000

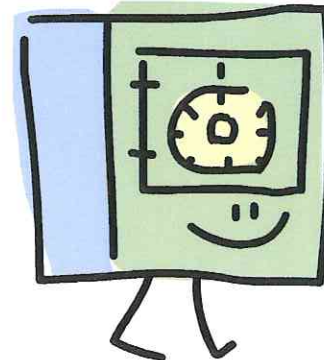
FY 11/12 Budget Request - \$100,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2011							June-2013

**Capital Improvement Program
6" Solids Pipe Vault with Meter, Power & Radio Transmitter**

Description: To monitor solids flow through the pressurized solids pipe at the point prior to the pipe breaking to gravity flow.



Project Manager: Dawn McDougle

Department: Meadowlark Reclamation Facility

Project: 2012100009

Funding Source: 100% Fund 210 – Sewer Replacement

Comments: To monitor solids flow leaving the plant and at the point of gravity flow into the sewer pipe to Encina Wastewater Authority. This project will allow the two flows to be monitored for comparison. In the event of a break on that pipe downstream of the plant, it would notify MRF staff immediately if the solids flow leaving is higher than what is being monitored through the flow meter downstream resulting in a quicker response to begin recovery and/or clean up.

Operations Impact: Normal maintenance

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning							\$0
Design		\$46,000					\$46,000
Construction			\$50,000				\$50,000
Total	\$0	\$46,000	\$50,000	\$0	\$0	\$0	\$96,000

FY 11/12 Budget Request - \$96,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2011							June-2013

Capital Improvement Program Surge Tank and 12” Plug Valve – South Lake Pump Station

Description: Replacement of surge tank and 12” plug valve at South Lake Pump Station to ensure reliable operation.



Project Manager: Robert Salazar

Department: Mechanical & Electrical

Project: 2012100010

Funding Source: 100% Fund 110 – Sewer Replacement

Comments: Surge tank and isolation valve are 30 years old. The isolation valve does not hold and is in need of repair or replacement. The interior coating of the surge tank is failing and causing corrosion problems. District personnel can perform the installation of the new tank and valve.

Operations Impact: Normal maintenance

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning							\$0
Design							\$0
Construction		\$73,000					\$73,000
Total	\$0	\$73,000	\$0	\$0	\$0	\$0	\$73,000

FY 11/12 Budget Request - \$73,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2010							June-2012

**Capital Improvement Program
Lift Station One #3 Pump and Motor Assembly Replacement**

Description: Replace pump #3 at Lift Station One



Project Manager: Robert Salazar

Department: Mechanical & Electrical

Project: 2012100011

Funding Source: 100% Fund 250 – Sewer Replacement

Comments: Existing pump and motor assembly are outdated and/or obsolete. Replacement parts for pump will be difficult to obtain and motor is not energy efficient. The proposed new pump and motor assembly is rated at 1100 gpm versus the existing pump's rating of 900 gpm.

Operations Impact: Normal maintenance

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning							\$0
Design							\$0
Construction		\$64,000					\$64,000
Total	\$0	\$64,000	\$0	\$0	\$0	\$0	\$64,000

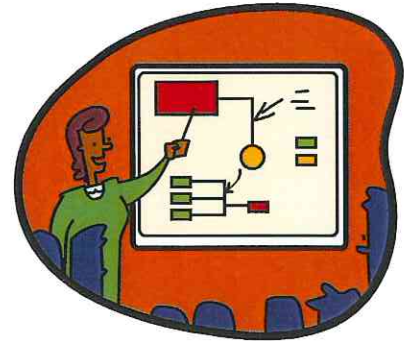
FY 11/12 Budget Request - \$64,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2010							June-2012

**Capital Improvement Program
Flow Meter Station - Encina**

Description: New flow monitoring station to be located on sewer outfall line behind Costco in Carlsbad



Project Manager: Corey Harrell

Department: Collections

Project: 2012100012

Funding Source: 100% Fund 210 – Sewer Replacement

Comments: VWD is part of the ADS flow meter monitoring service with several other agencies. The current meter has minimal benefit because it shows a flow rate average. VWD would benefit by installing a flow meter station prior to entering Encina Wastewater Authority’s facilities. The station will have capabilities of high and low flow alarm set points also serving as a trending meter.

Operations Impact: Reduced overtime costs from alarm response activates

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning							\$0
Design							\$0
Construction		\$42,000					\$42,000
Total	\$0	\$42,000	\$0	\$0	\$0	\$0	\$42,000

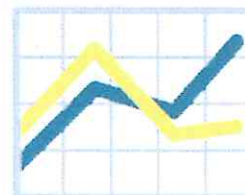
FY 11/12 Budget Request - \$42,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2011							June-2012

**Capital Improvement Program
Influent Chlorine Analyzer at Twin Oaks Reservoir - Replacement**

Description: To Monitor the water quality entering the Twin Oaks Reservoirs from the Vallecitos X aqueduct connection with the San Diego County Water Authority



Project Manager: Ed Pedrazzi

Department: Water Systems Operations

Project: 2012100013

Funding Source: 100% Fund 110 – Water Replacement

Comments: The water quality entering the Twin Oaks Reservoirs is critical to the entire distribution system. Over 90% of the District’s customers receive water from this location. The current analyzers at the Twin Oaks Reservoir Facility measure Total Chlorine only on both the influent and effluent. The analyzers have been online for more than ten years.

Operations Impact: Routine maintenance

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning							\$0
Design							\$0
Construction		\$40,000					\$40,000
Total	\$0	\$40,000	\$0	\$0	\$0	\$0	\$40,000

FY 11/12 Budget Request - \$40,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2011							June-2012

**Capital Improvement Program
Twin Oaks Reservoir Asphalt and Sealing of Road**

Description: Re-grade the dirt road around Twin Oaks Reservoir #1 to install asphalt and seal entire site.



Project Manager: Kerek Howe

Department: Construction

Project: 2012100014

Funding Source: 100% Fund 110 – Water Replacement

Comments: The dirt road becomes wet and soft during the winter months making it hard to drive on with District equipment. The road is also used by the Hazmat team for staging on when they have to move to higher ground. The sealing will extend the life of the road.

Operations Impact: Routine maintenance

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning							\$0
Design							\$0
Construction		\$11,000	\$28,000				\$39,000
Total	\$0	\$11,000	\$28,000	\$0	\$0	\$0	\$39,000

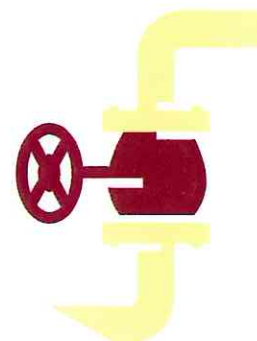
FY 11/12 Budget Request - \$39,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2011							June-2013

Capital Improvement Program Effluent Piping Check Valves (2)

Description: This is for two valves; one on the failsafe pipe and the other on the distribution piping toward Mahr Reservoir.



Project Manager: Dawn McDougle

Department: Meadowlark Reclamation Facility

Project: 2012100015

Funding Source: 100% Fund 210 – Sewer Replacement

Comments: Having a check valve on the failsafe pipe will assure that secondary flow does not back feed into the distribution line. Having a check valve on the distribution piping assures that Mahr Reservoir can not drain back to the failsafe piping when effluent flows are being split between failsafe and distribution.

Operations Impact: Normal maintenance

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning							\$0
Design							\$0
Construction		\$35,500					\$35,500
Total	\$0	\$35,500	\$0	\$0	\$0	\$0	\$35,500

FY 11/12 Budget Request - \$35,500

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2010							June-2012

**Capital Improvement Program
Chlorine Flow Control Valves at Twin Oaks Reservoir - Replacement**

Description: Replacement of the chlorine flow control valves at Twin Oaks Reservoir to more accurately adjust chlorine injection into and out of the facility.



Project Manager: Ed Pedrazzi

Department: Water Systems Operations

Project: 2012100016

Funding Source: 100% Fund 110 – Water Replacement

Comments: The chlorine flow control valves are part of the chlorine injection system at the Twin Oaks Reservoir facility. They are considered critical equipment per the EPA’s Risk Management Plan and must be kept in proper working condition. The current valves have been failing to auto-pace correctly at lower flows and attempts to repair the valves adequately have failed. The equipment has been online continuously since February 2000.

Operations Impact: Routine maintenance

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning							\$0
Design							\$0
Construction		\$20,000					\$20,000
Total	\$0	\$20,000	\$0	\$0	\$0	\$0	\$20,000

FY 11/12 Budget Request - \$20,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2011							June-2012

Capital Improvement Program Aluminum Railing

Description: This project will replace the wood railing on retaining wall between chemical building and aeration tanks and add railing in various places.



Project Manager: Dawn McDougle

Department: Meadowlark Reclamation Facility

Project: 2012100017

Funding Source: 100% Fund 210 – Sewer Replacement

Comments: Four different locations that require railing were identified by VWD’s Safety Officer as required items to eliminate potential safety hazards. The railing would eliminate temporary railing currently in place.

Operations Impact: None

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning							\$0
Design							\$0
Construction		\$10,000					\$10,000
Total	\$0	\$10,000	\$0	\$0	\$0	\$0	\$10,000

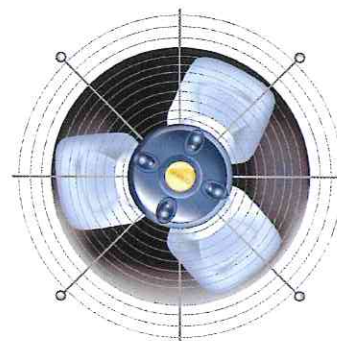
FY 11/12 Budget Request - \$10,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2009							June-2012

Capital Improvement Program Removal of Control Panel 1

Description: this blower provides air to Meadowlark’s various channels.



Project Manager: Dawn McDougle

Department: Meadowlark Reclamation Facility

Project: 2012100018

Funding Source: 100% Fund 210 – Sewer Replacement

Comments: the air provided by this blower feeds air to different channels throughout MRF. The air keeps the channel contents mixed to reduce settling and septic conditions.

Operations Impact: Normal maintenance

Project Spending Plan

Project Phase	Previous FY Expenses	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Total
Planning							\$0
Design							\$0
Construction		\$7,500					\$7,500
Total	\$0	\$7,500	\$0	\$0	\$0	\$0	\$7,500

FY 11/12 Budget Request - \$7,500

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2011							June-2012

VALLECITOS WATER DISTRICT

2011-12 CAPITAL BUDGET - VEHICLES & EQUIPMENT SCHEDULE

VEHICLES/MOBILE EQUIPMENT						
Existing			New or	<u>Funding Source:</u>		Total
Vehicle #	Description	Project #	Replacement	Water	Sewer	Cost
Meters:						
149	Ford F150 pickup truck 4x2 SS R/C	2012100019	Replacement	\$ 22,000		\$ 22,000
169	Ford F150 pickup truck 4x4 SS R/C	2012100020	Replacement	26,000		26,000
TOTAL VEHICLES						\$ 48,000
FACILITIES AND EQUIPMENT						
Work			Replacement	<u>Funding Source:</u>		Total
Order	Description	Project #	or New	Water	Sewer	Cost
Mechanical/Electrical:						
	Portable load bank trailer mounted 1525-1060kw @ 480-400v	2012100021	New	26,800	40,200	\$ 67,000
Information Technology:						
	Dell server for virtual machine failover	2012100022	New	6,000	4,000	10,000
	Fuel tracking system	2012100023	Replacement	30,000	20,000	50,000
Construction:						
	Miller Matic 350p Aluminum wire welder	2012100024	New	3,800	2,500	6,300
Collections:						
	Inclinometer module plus retro kit w/sonde & training	2012100025	New		11,500	11,500
Operations:						
	SCADA historcial data server & reporting package	2012100026	New	38,400	25,600	64,000
	SCADA Win 911 Alarm call out software	2012100027	New	26,400	17,600	44,000
Meadowlark Reclamation Facility:						
	SCADA computers (2)	2012100028	Replacement		14,000	14,000
	Chlorine injection submersible pump	2012100029	New		8,200	8,200
TOTAL FACILITIES AND EQUIPMENT						\$ 275,000
VEHICLES & EQUIPMENT TOTAL						\$ 323,000

VALLECITOS WATER DISTRICT
DEBT SERVICE BUDGET FOR THE YEAR ENDING JUNE 30, 2012

	Water		Wastewater		Total
	Replacement	Capacity	Replacement	Capacity	
2005 Certificates of Participation - Converted to Fixed Rate in 2007					
Outstanding principal as of July 1, 2011 ⁽¹⁾	\$ 5,378,300	\$ 29,814,600	\$ 1,870,700	\$ 21,396,400	\$ 58,460,000
Transfer of debt effective 1/1/11 ⁽²⁾	(5,378,300)	-	(1,870,700)	7,249,000	-
June 26, 2012 Principal Transfer to Trustee	-	(756,600)	-	(728,400)	(1,485,000)
Outstanding principal as of July 1, 2012	<u>\$ -</u>	<u>\$ 29,058,000</u>	<u>\$ -</u>	<u>\$ 27,917,000</u>	<u>\$ 56,975,000</u>
2008 Private Placement⁽³⁾					
Outstanding principal as of July 1, 2011	\$ -	\$ -	\$ -	\$ 7,000,000	\$ 7,000,000
2011/12 Principal Payments	-	-	-	(400,000)	(400,000)
Outstanding principal as of June 30, 2012	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 6,600,000</u>	<u>\$ 6,600,000</u>
2011 Private Placement⁽⁴⁾					
Proceeds to fund OPEB trust	\$ 1,656,200	\$ -	\$ 1,309,800	\$ -	\$ 2,966,000
Proceeds to fund PERS side fund	1,683,000	-	1,331,000	-	3,014,000
Cost of issuance	67,000	-	53,000	-	120,000
March 31, 2012 principal payment	(170,300)	-	(134,700)	-	(305,000)
Outstanding principal as of June 30, 2012	<u>\$ 3,235,900</u>	<u>\$ -</u>	<u>\$ 2,559,100</u>	<u>\$ -</u>	<u>\$ 5,795,000</u>
2011/12 Debt Service Budget					
2005 COP principal	\$ -	\$ 756,600	\$ -	\$ 728,400	\$ 1,485,000
2005 COP interest	-	1,488,300	-	1,432,700	2,921,000
2008 Private Placement - principal	-	-	-	400,000	400,000
2008 Private Placement - interest	-	-	-	69,000	69,000
2011 Private Placement - principal	170,300	-	134,700	-	305,000
2011 Private Placement - interest	32,400	-	25,600	-	58,000
Total 2010/11 Debt Service Budget	<u>\$ 202,700</u>	<u>\$ 2,244,900</u>	<u>\$ 160,300</u>	<u>\$ 2,630,100</u>	<u>\$ 5,238,000</u>
Projected Debt Service Coverage Ratio⁽⁵⁾					2.03
Excluding Capital Facility Fees					1.61
Excluding Capital Facility Fees and Property Tax					1.15

⁽¹⁾ The 10/11 principal payment on the existing certificates of participation (COPs) is due to bondholders on July 1, 2011. The District is obligated to transfer the payment before June 30, 2011, to a restricted account maintained by the Trustee, and, therefore, was deducted from the projected July 1, 2011 balance presented in the Reserve Budget.

⁽²⁾ Cash and corresponding amounts of debt were transferred from replacement funds to restricted capital facility funds to reduce deficit balances.

⁽³⁾ The District and Union Bank of California executed an \$8 million tax-exempt private placement with variable rate interest tied to the LIBOR. The District has the option of changing the LIBOR term. The current term is six months. The current rate is 1.09%. The proceeds partially restored a deficit balance in the restricted wastewater capacity fund from cash funding construction of the Encina Wastewater Authority Phase V expansion.

⁽⁴⁾ The District anticipates a private placement taxable loan to reimburse the \$3,013,545 advanced payment of CalPERS side fund and prefund approximately \$3 million of other post-employment benefits (OPEB) in an irrevocable trust. The District will negotiate terms similar to the \$8 million loan but likely a ten-year term with slightly higher interest.

⁽⁵⁾ Per the 2005 Certificate of Participation official statement, the District is required to maintain a debt service coverage ratio of 1.15. Debt service coverage ratios are presented above inclusive and exclusive of capital facilities fees to demonstrate the District's ability to cover debt service above the required minimum. Capital facility fees are included in the official statement's definition of "Net Revenues".