Vallecitos Water District

Fiscal Year 2012-2013 Budget

Water and wastewater specialists providing exceptional and sustainable services.

Our Mission

The Board of Directors of the Vallecitos Water District and staff worked collaboratively over the last year to craft a strategic plan and a mission statement:

Water and wastewater specialists providing exceptional and sustainable services.

This mission of exceptional and sustainable services is reflected in this budget and in the attitudes and commitment of the Vallecitos Water District staff and Board Members .

From left to right: James Hernandez, Margaret E. Ferguson, James Poltl, Darrell Gentry, Timothy Shell

Board of Directors

- Darrell Gentry, President
- Timothy Shell, Vice President
- Margaret E Ferguson
- James Hernandez
- James Poltl

Vallecitos Water District is a public agency organized in 1955 and proudly serves the City of San Marcos, portions of the cities of Escondido and Carlsbad, and portion of the surrounding unincorporated areas.

June 6, 2012

Honorable Board of Directors
Vallecitos Water District

Re: Fiscal Year 2012-13 Recommended Budget

Enclosed is the recommended budget for Fiscal Year 2012-13 for your review. The budget totals $114,225,000 compared to $99,424,000 for the 2011-12 budget, and is composed of $43,113,000 for operational expenses (a 10.8% increase from the $38,898,000 2011-12 operating budget; solely from increased water costs) and a commitment of $71,112,000 for capital projects ($60,526,000 in 2011-12). One-hundred percent of the operational increase is attributable to higher water demand projections and increased wholesale rates. In addition, $9,296,000 from operations is being set aside for capital replacement and debt service payments.

The budget includes rate increases adopted on July 20, 2011. At the time of adoption, staff estimated the 2013 wholesale increase to be 13¢ per unit (748 gallons). On May 3, 2012, the District's wholesaler, the San Diego County Water Authority, provided the District with a proposed 2013 rate increase of 24¢ which is reflected in this budget. The District's Proposition 218 notice in July 2011 included an estimated 2013 wholesale rate increase of 13¢. Even though the increase is more than anticipated, there is no need for additional notice. The water ready-to-serve charge (RTS) effective July 1, 2012 reflects fixed wholesale costs being passed through plus a 58¢ retail increase for a 5/8" meter. The sewer charge for a single family residence increased by $1.87 per month for 2012/13. Rate increases for years subsequent to the budget year are assumed to project reserve activity in the Long-Range Planning section of this document and are noted on page 103.

<u>Water and Wastewater Specialists Providing Exceptional and Sustainable Services</u>
Vallecitos Board of Directors and staff members collaborated to develop a new strategic plan to meet the long-term needs of the District. This bridge to the future provides a new mission statement of the District – "Water and wastewater specialists providing exceptional and sustainable services." This budget supports the following strategic focus to continue to provide value-added service through ingenuity, sustainability, outreach and education, and a highly trained, team-oriented staff committed to working with the community and other agencies to provide services in a reliable, fiscally responsible manner.

To prepare for the needs of tomorrow, the Meadowlark Water Reclamation Facility was recently upgraded so that up to 74% of the wastewater generated in the service area can now be recycled to reduce imported water demand.

INFRASTRUCTURE INTEGRITY

The District's Infrastructure is aging and must be kept in good condition to keep up with today's service demands, and expanded in anticipation of tomorrow's needs. Proactive maintenance and repairs result in increased safety and reliability and decreased costs. A proactively maintained and adequately funded infrastructure ensures operational, financial and rate sustainability. Specific objectives: Fully utilize Computerized Management Maintenance System; Develop and prioritize asset replacement schedule.

INTERNAL COMMUNICATION

Effective internal communication and good working relationships are critical to ensure quality of work and to prevent duplication of effort. Informed employees are able to be more proactive and better at representing the interests of the District. Communication promotes teamwork, which produces greater efficiency, higher job satisfaction and better overall results. Specific objectives: Regular communications via employee E-newsletter and District Intranet; Monthly supervisor meetings to share information across departments.

Employee "Boot Camp" showcases each department's responsibilities to help foster an understanding of all of the District's operations. Programs such as this will be critical to increase internal communication and promote teamwork.

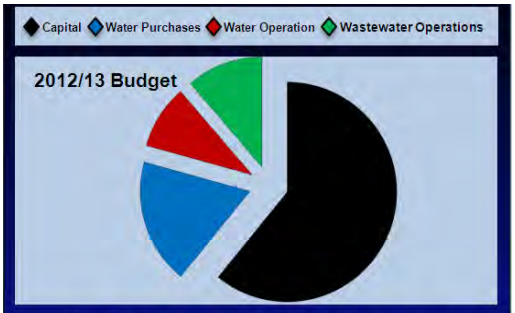
Training is a high priority for the District. For example, many of the Operations and Maintenance staff have been proactive to become qualified in all phases of District operations through cross-training, testing and certification. This allows staff to work in a variety of areas as needed to maximize efficiency.

CONTINUOUS IMPROVEMENT AND WORKFORCE DEVELOPMENT

District Staff is experienced and loyal. Some key staff will be retiring soon, which will provide opportunities for qualified staff with a solid job performance history to compete for those positions. Keeping staff trained and up-to-date on critical, cutting edge skills is a continuous challenge that must be addressed. Continuing education and sharpening and updating of key skills helps the District remain competitive and continue to be an employer of choice. Specific objectives: Promote personal accountability; Provide supervisory training and development.

FISCAL RESPONSIBILITY

Now, more than ever, it is critical to be aware of the economic environment and how it impacts the District. It is also prudent to be transparent and financially sustainable. In an era of long running economic recession, the pressure is high to get the most value for every dollar spent and to make a clear case for why each dollar is needed. An emphasis on efficiency and fiscal responsibility must be promoted throughout the District. This emphasis on fiscal responsibility will result in lower debt levels, high credit quality, reasonable rates and the ability to maintain a rate stabilization reserve fund. Specific objectives: Maintain long range projections; Maintain reserve levels above adopted floors.



The District prides itself on being financially sustainable so that long-range goals can be reached. As a result of this fiscal prudence, the District has earned a AA+ bond rating with a stable outlook by Standard & Poor's and Fitch, which is one of the highest ratings in the industry.

Through extensive outreach efforts, Public Information staff informs customers about District operations. Continued outreach efforts will be needed to pave the road ahead as we pursue our mission.

PUBLIC EDUCATION AND OUTREACH

It is critical to ensure that customers have a clear understanding and appreciation of the value of the services that the District provides to the community. The community is largely unaware of the scope and complexity of the District's systems. Consequently, when major investments are required for repairs and upgrades, the public has little appreciation for what is involved and understandably raises concerns over rates. A better informed community will be more understanding and supportive of the District's mission. Specific objectives: Develop and deploy new website; Increase usage of social media; Promote e-commerce.

RESOURCE EXPLORATION

Common sources for supplying water to the District are becoming potentially unreliable and drastically more expensive. The forces making current supplies vulnerable are outside of the District's control. Variables related to the availability and cost of water, and the unique treatment requirements for water from each source have a significant impact on the District's budget and resources. The District must begin to diversify its portfolio and increase its ability to have local control so it can continue to provide the best and most reliable services to the community it serves. Specific objectives: Pursue desalinized water; maximize use of reclaimed water; Update water conservation master plan.

The District was one of the original partners to sign up to receive desalinated seawater from a desalination plant scheduled to be built in Carlsbad, CA. Although the project is now managed by the San Diego County Water Authority, the District is still in line to receive this alternative water source once the plant is constructed.

Water Operations (pages 4-14)

Water purchases are projected to total 17,967 acre feet with sales of 17,157 acre feet for 2012-13. The estimated unbilled water of 4.5% is due to tie-ins, unmetered operational use, hydrant damage and use, use acquired with one-day permits, meter malfunction, and leaks.

Although the District anticipates an increase in use, total demand is projected to be within the constitutional limitations of SBx7, the 20X2020 provisions. Most of the increased demand is from growth. The budget assumes meter additions of 192 in 2012-13, 204 in 2013-14, and 228 in 2014-15 and thereafter.

The water operating budget decreased by $63,000 from last year's budget, excluding water costs. With water costs, the budget increased by $4.2 million, or 15%, due to increased water demands and higher wholesale rates.

Wastewater Operations (pages 15-24)

Wastewater operating costs increased by $63,000, or 0.68%, over last year's budget due to increases in materials, chemicals, power, and the cost of efficiency studies at the Meadowlark Reclamation Facility. Reclaimed water costs are recovered by contractual sales.

Personnel (pages 25-28)

Positions included in the budget were previously identified in the five year staffing plan which is reviewed on an annual basis. Salaries and benefits for 2012/13 decreased from the last budget due to reorganizations, funding Other Post-Employment Benefits in a trust, and cuts to benefits. Management will scrutinize the need for all positions and only fill positions if absolutely necessary.

Public Awareness (pages 29-30)

Public Awareness and Conservation program descriptions provide details of VWD's efforts to promote conservation of water and awareness of significant water-related issues impacting our community. Although the drought alert has been rescinded, there are still state mandated per capita reductions that staff will continue to monitor and adjust the magnitude of resources needed to achieve mandated targets.

Capital Budget (pages 31- 94)

Capital projects are summarized on the Comprehensive Project List found on page 32. Details of each project, including timing of phases and spending, are presented on pages 34 through 93, followed by requests for vehicles and equipment. Of the $71 million capital budget, $17.2 million are from new requests. The remainder is from projects carried over from the prior year. The capital budget increased by $10.6 million mainly from a $6 million water storage project, a $3.2 million pump station to be built if desalinated water becomes available, and $2 million as the District's share of an intensive capital replacement program adopted by the Encina Wastewater Authority (EWA).

Debt Service (page 95)

In July of 2007, the District converted $63.8 million in certificates of participation from variable auction rate to fixed rate averting interest rate risk. Without short-term investments close to the amount of variable rate debt outstanding, the District would have assumed risks of a spike in interest rates without a sufficient hedge from corresponding spikes in returns of short-term investments. The total-all-in cost of the District's converted debt is 4.736%. The District is obligated to transfer semi-annual debt service payments each June 25th (about $2.9 million) and each December 26th (about $1.5 million) to the trustee for payment to bondholders.

In October of 2008, the District realized proceeds of $8,000,000 from a tax-exempt private placement with Union Bank for prior construction costs of the EWA's Phase V expansion. The debt proceeds diminished the need for interfund transfers from replacement funds to restricted capacity funds. The variable rate is tied to LIBOR and the District has the option of choosing the LIBOR term. Principle is payable in even semi-annual increments of $200,000. The current rate of interest is 1.53%.

The budget anticipates a debt issuance of $7.1 million in new money to finance the San Marcos Interceptor, Linda Vista sewer, Rock Springs sewer, and EWA Capital replacement projects. The Issuance may include a defeasance of existing COPs, but any economic gains are not reflected in the budget as a measure of conservatism. The term of the new money is assumed at 10 years with an interest rate of 4%.

Reserve Budget and Projection (pages 96-104)

The Reserve Budget includes revenues and transfers from various sources, including capital facility fees restricted for capital expansion, investment earnings, property tax, and operations. Property tax is not included in the operating budget due to the uncertainty of allocation to the District, considering numerous historical ERAF shifts. The Reserve budget also summarizes appropriations and expected cash outflows for debt service and capital projects. The net sources and uses are restricted or reserved for capital replacement or operations. The separating of accounting and reporting of these fund activities assures that user rates for water delivery and sewer service are never influenced by growth-related capital facility needs or fund balances, and restricted capital facility fees received are spent only on growth related projects. Current operating reserves equal five months of budgeted operating expenses. However, this budget reflects a change for reserves to equal six months of budgeted operating expenses, not including water purchases. Page 98 displays the 2012/13 reserve budget for consideration. Page 99 forward display detailed reserve projections for four subsequent years followed by a summary projection for the five years thereafter.

Other

Estimates have been made for both water and sewer operations for the 2013/14 fiscal year, and for reserve projections for 2013/14 through 2021/22. These figures are not part of the budget approval process for the current year, and are included for planning purposes only.

As a final note, actual-to-budget variances in total revenues and expenses in prior years have often been less than one percent. Our projections are based on trends, anticipated large one-time expenditures, economic factors within our industry, and global factors influencing our operations. Obviously, a good amount of forethought and monitoring at both the Board and staff levels has been required to produce such a realistic and useable financial guide.

Respectfully submitted,

Dennis O. Lamb,
General Manager

BUDGET FOR THE YEAR ENDING JUNE 30, 2013

TABLE OF CONTENTS

BUDGET FOR THE YEAR ENDING JUNE 30, 2013

BUDGETARY CONSIDERATIONS

Mission Statement

Water and wastewater specialists providing exceptional and sustainable services.

The budget reflects the mission statement

Budgetary Approach

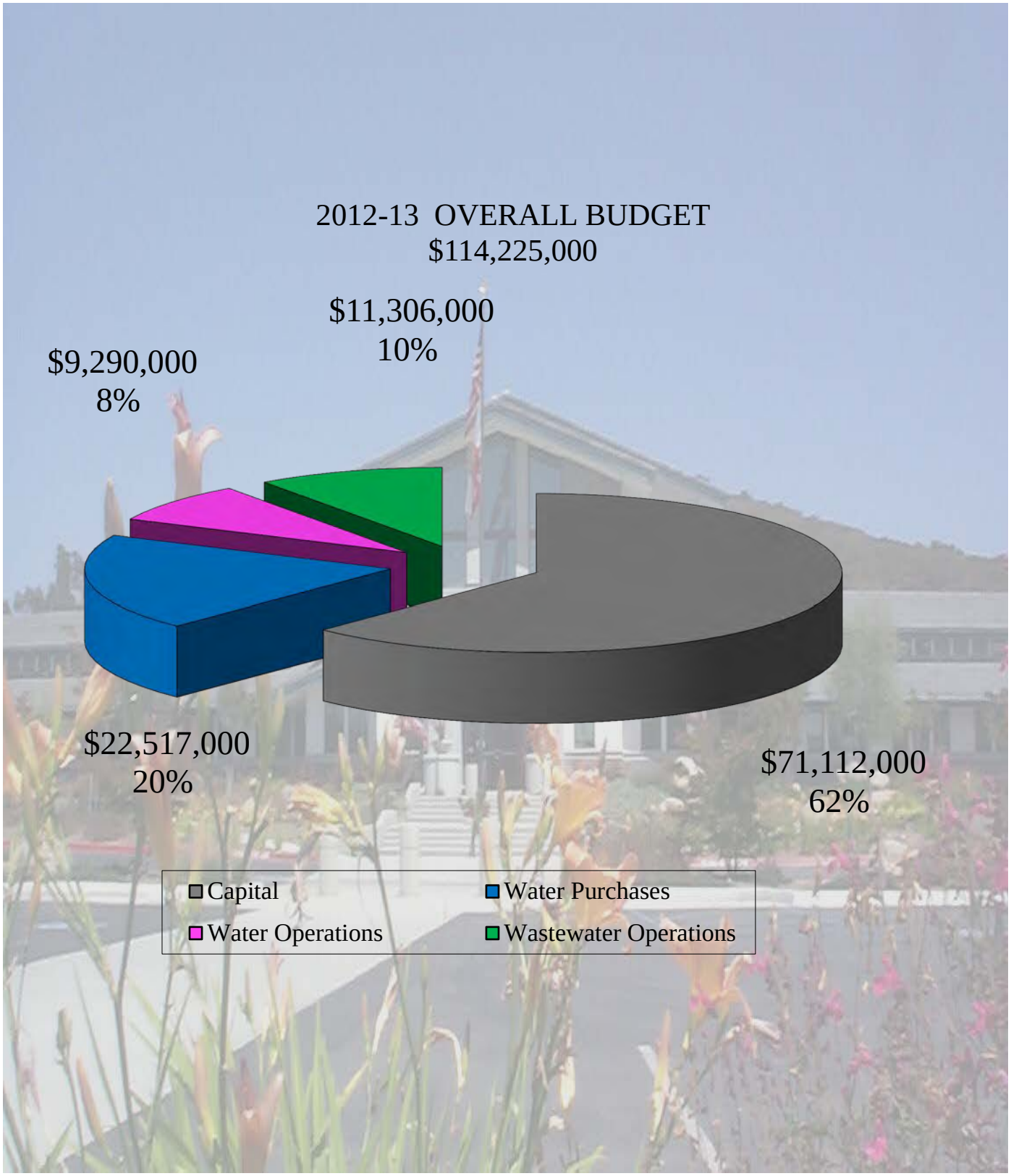
Governmental agencies, such as cities and counties, usually approach their budgets from the "revenue end." Since their revenues are somewhat predictable and restricted, their budgetary considerations are based on setting a level of service (expense total) that can be attained with those available funds.

A special district, however, must make a more thorough analysis. Normally, the expenses can be determined with a high degree of accuracy, and it's the revenues that must be set to cover those expenses. To complicate matters, factors such as weather variability and customer usage habits can have a profound effect on the overall revenue projection.

Operations vs. Capital Budget

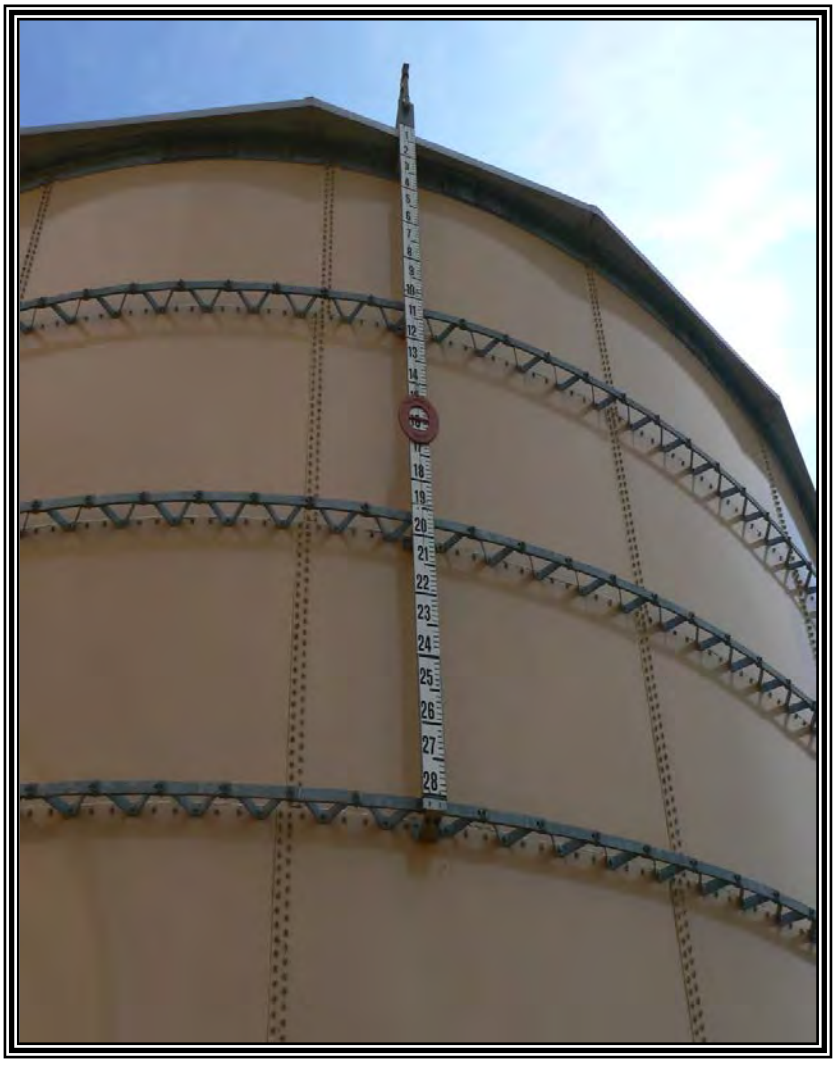
The budget is designed to ensure that various revenues and fees are used as intended. The Operations Budget, which covers the ongoing cost of running the District, is paid by the rate payers of the District through charges for water and sewer service. The Capital Facilities Budget is covered primarily by fees on new development and existing customers with increased demands.

Operating revenue in excess of operating expense is earmarked for transfer to the Replacement Reserve Fund for the future replacement of assets. This ensures that current users of our system are paying their fair share for the maintenance of existing facilities as they depreciate.

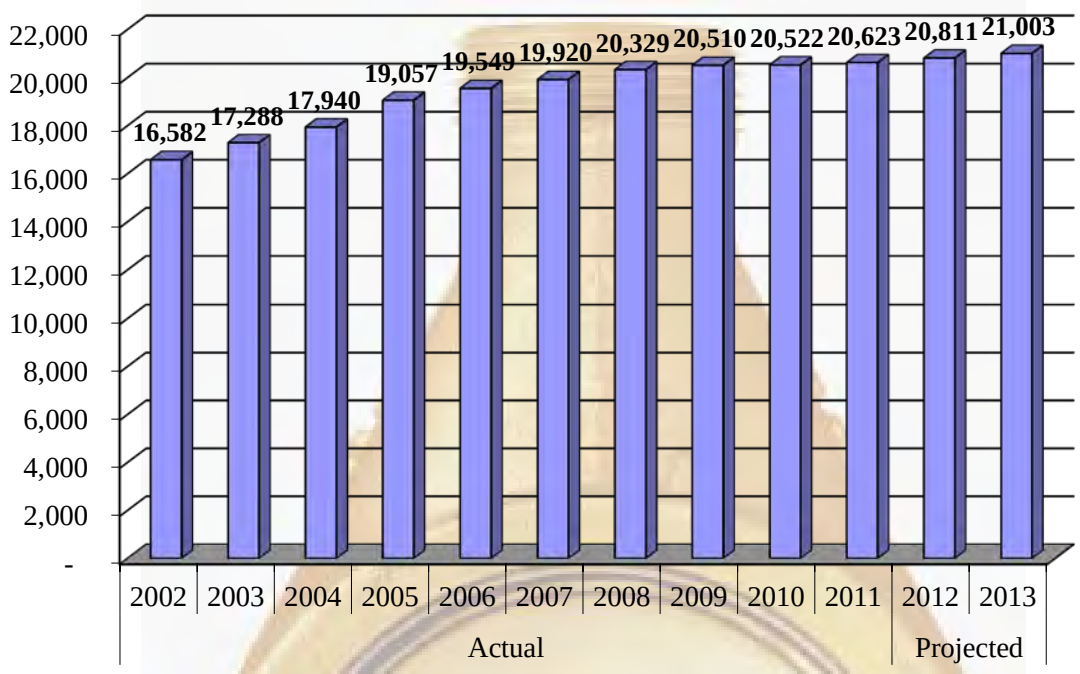

2012-13 OVERALL BUDGET
$114,225,000
$11,306,000
10%
$9,290,000
8%
$22,517,000
20%
$71,112,000
62%
Capital
Water Purchases
Water Operations
Wastewater Operations

2012-2013 OPERATING BUDGET

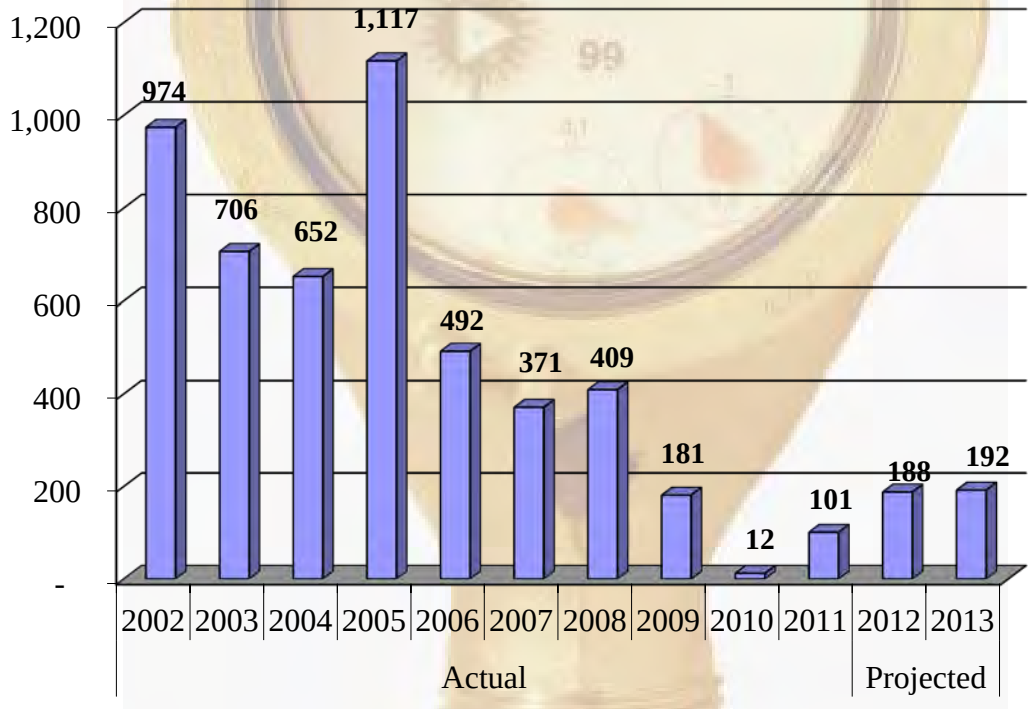
WATER

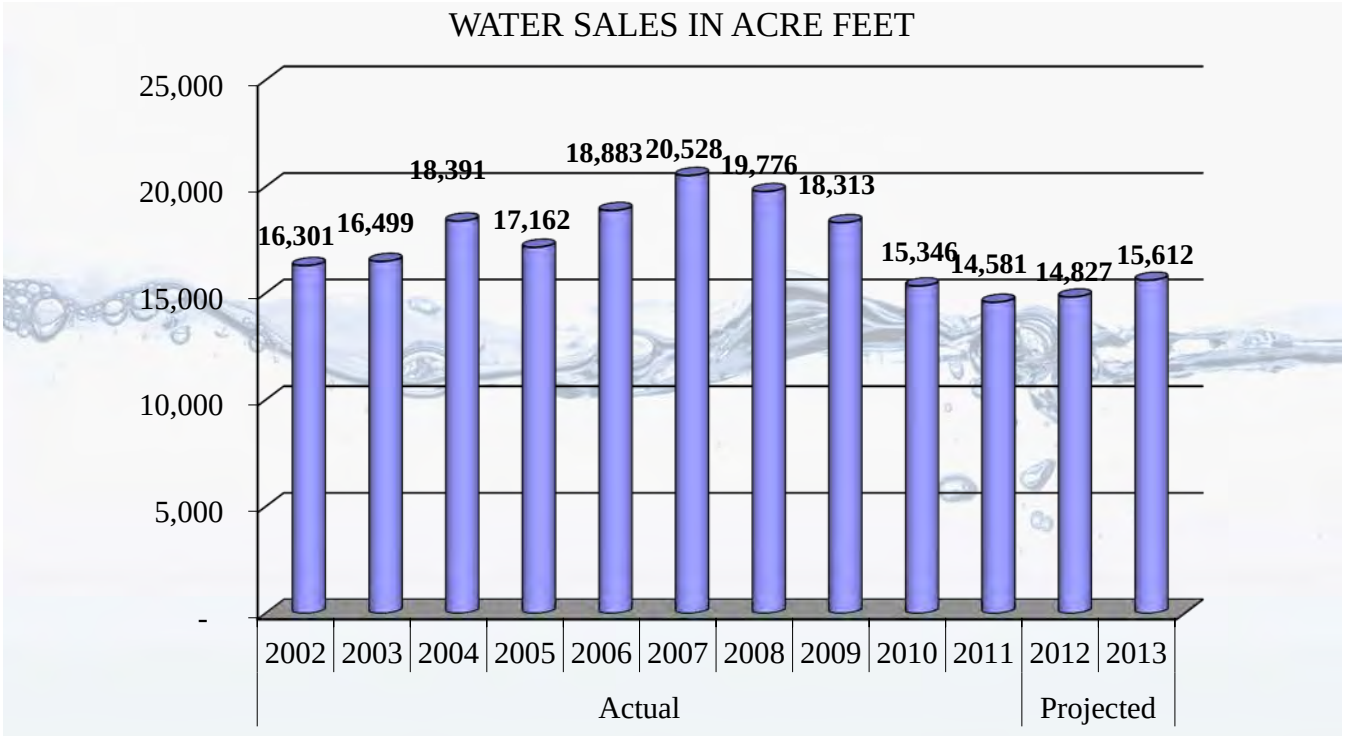


METERS IN SERVICE

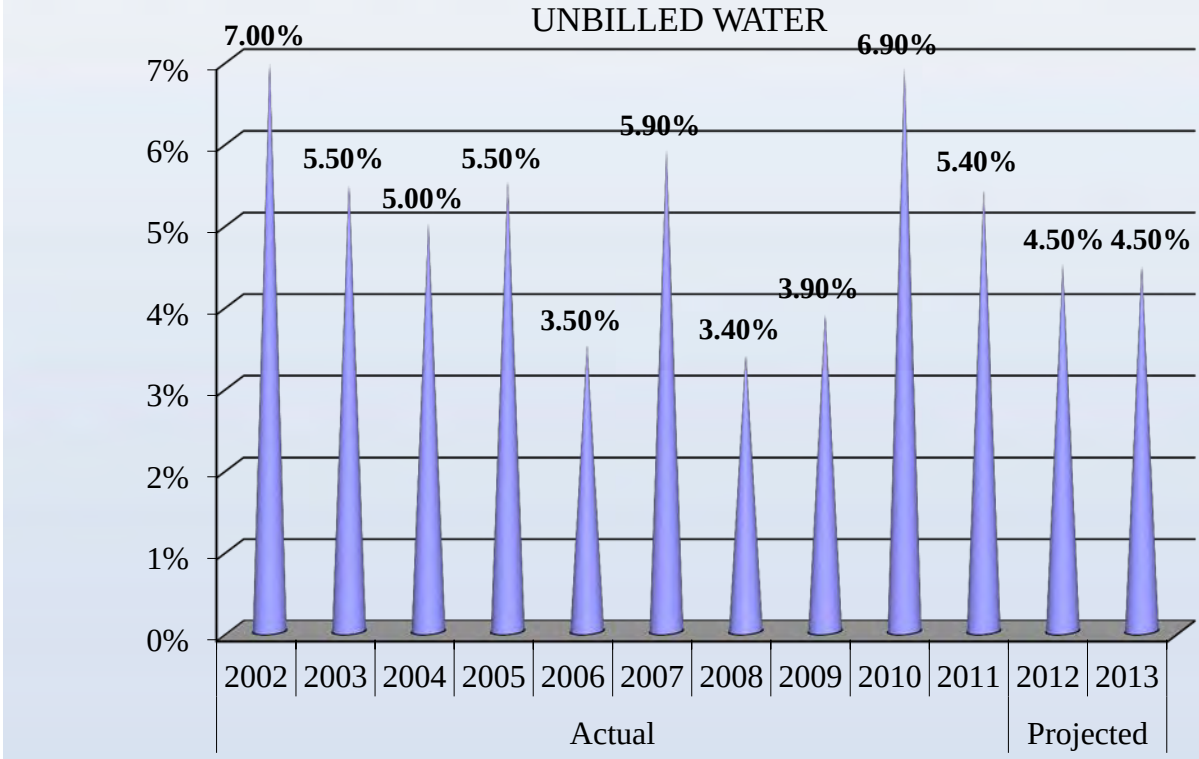


METER ADDITIONS





Year End Jun 30,:



Year End June 30,:

Unbilled Water includes use acquired with one-day permits, tie-ins, operational use, fire hydrant damage and use, meter malfunctions, and leaks.

BUDGET FOR THE YEAR ENDING JUNE 30, 2013

FUNCTION DEFINITIONS - WATER OPERATIONS

REVENUES

Water Sales: Monthly charges to cover the wholesale cost of water, with a minimal markup targeted to cover some operating costs and provide funds for capital improvements and replacement.

Ready To Serve: Monthly charge to cover fixed costs, regardless of water sales. Examples include maintenance of reservoirs and transmission lines, meter reading and administrative costs such as insurance.

Pumping Charges: Charges to customers at high elevations, to cover the power costs required to deliver water.

Interest and Other: Interest revenue, late charges, backflow fees, engineering fees and other miscellaneous revenues.

OPERATING EXPENSES

Pumping: To move water to various elevations, and to provide adequate pressure and storage to higher service connections. Includes maintenance of ten pump stations, readings, and power costs.

Water Quality: To monitor incoming water in accordance with federal and state regulations. Includes collecting samples and reporting results, and maintenance of monitoring equipment.

Water Treatment: To treat water in tanks, handle chemicals, and use and maintain injection equipment for pipelines.

Tanks and Reservoirs: Maintenance of 19 tanks and 2 reservoirs. Includes corrosion control, security, and water level monitoring.

Transmission and Distribution: Maintenance of pipeline system within 45 square miles, consisting of 329 miles of pipes. Includes 25 pressure reducing stations, all air releases/blow-offs, fire hydrants (buried portion), cross-tie valves with other districts, and valve exercising.

Services: Maintenance of all service lines located from main lines to meters.

Meters: Maintenance of all customer meters. Includes lens and/or complete meter replacement for slow or non-operating meters.

BUDGET FOR THE YEAR ENDING JUNE 30, 2013

FUNCTION DEFINITIONS - WATER OPERATIONS (Continued)

Backflow Prevention: Ensures compliance with Title 17, requiring backflow devices for specific connections to protect quality of water in our system.

Meter Reading: Reading of approximately 20,500 meters on a monthly basis for billing purposes.

Customer Accounts: Costs related to opening and closing accounts, response to customer concerns, billing costs (statements, mailing), and uncollectible accounts.

Equipment and Vehicles: Maintenance of District equipment. Includes all construction equipment, water and administrative vehicles, and miscellaneous tools and equipment.

Buildings and Grounds: Maintenance of administrative and operations buildings, warehouse, and shops. Also includes power costs, alarmed security system, landscape service, janitorial, and pest control.

Engineering: All costs of engineering services. Includes review and monitoring of development to ensure compliance with standard design practices, impact on existing system and environment, and orderly planning to provide adequate water and sewer service as demand dictates.

Safety and Regulatory Affairs: Program to control unnecessary risks, hazardous conditions, and unsafe practices, and minimize physical losses, personnel injuries, and district liability, and to provide for regulatory compliance in environmental, public health and other mandated areas.

Information Technology: Centralization of the District's technology to maintain hardware, software, servers, networks, and interfaces.

General and Administrative

Salaries include administrative and conservation personnel salaries and all vacation, sick leave, and holiday time for administrative and water personnel.

Group Insurance is health, vision, and dental costs for all administrative and water personnel.

Workers' Compensation Insurance costs for all administrative and water personnel.

Public Employees Retirement System (PERS) participation costs for all administrative and water personnel.

Social Security costs for all administrative and water personnel.

BUDGET FOR THE YEAR ENDING JUNE 30, 2013

FUNCTION DEFINITIONS - WATER OPERATIONS (Continued)

General and Administrative (continued)

Other Taxes/Benefits includes unemployment and other miscellaneous employee taxes and benefits such as annual luncheon, picnic, and awards for all personnel.

District Insurance premium costs protect District assets, such as buildings and vehicles, and provide liability coverage for potential claims.

Outside Services are provided by consultants and temporary help.

Legal costs are incurred for general legal counsel (presence at board meetings, contracts, employment issues, etc.)

Auditing is conducted by a certified public accounting firm to provide an opinion on the annual financial report.

Banking Services are provided to maintain the District's general and payroll accounts.

Office Supplies are purchased for necessary administration of the District including office equipment costing less than the capitalization threshold.

Postage not related to public relations or customer billing includes notifications, such as shutdowns and hearing notification mailings.

Office Equipment Repair covers maintenance contracts on computer system, billing equipment, copiers, telephone system, and other repairs as needed.

Telephone costs are for service of 46 lines with 100 extensions at administration and water operations, long distance, data lines, and cellular phone service for field and key personnel.

Travel costs are for administrative and water personnel.

Meetings and Seminars for administrative and water personnel provide District representation and professional development.

Dues and Subscriptions are for memberships and periodicals to various organizations, such as American Water Works Association (AWWA).

Public Awareness/Conservation is the "image and information" arm of the District, utilizing publications, special events, the speakers' bureau, and the VWD School Program to present Vallecitos as the "Water and Wastewater Specialists" and promote effective water conservation programs

BUDGET FOR THE YEAR ENDING JUNE 30, 2013

FUNCTION DEFINITIONS - WATER OPERATIONS (Continued)

General and Administrative (continued)

Regulatory Fees are incurred for renewal fees for personnel certifications such as water distribution and treatment, notary, and professional memberships, state regulatory agencies, and other compliance matters.

Election and Annexations facilitation costs are assessed by the County.

Director Fees are paid for attendance of board meetings, professional conferences, and other District-sanctioned organizations.

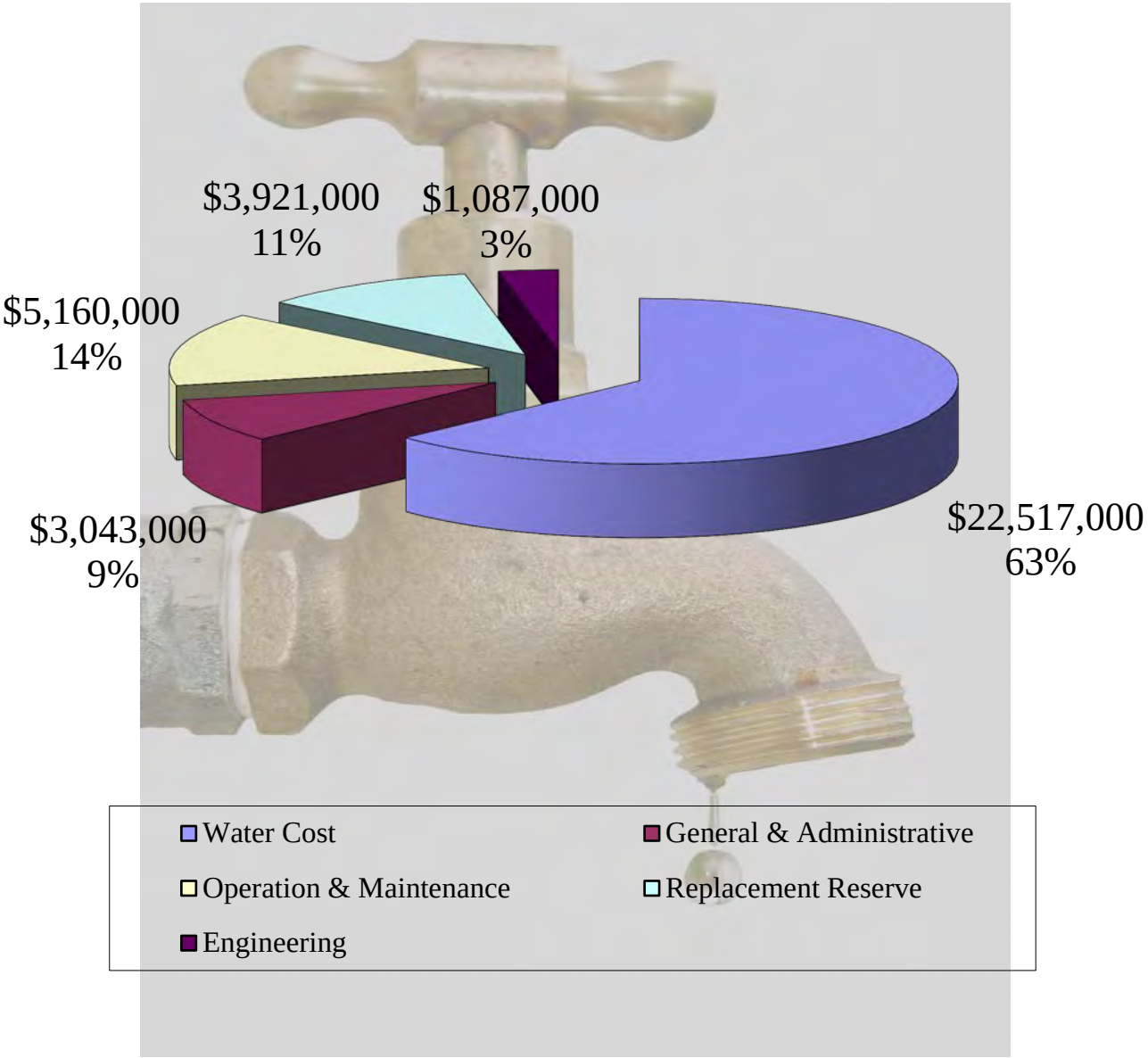
Director Expenses include all costs incurred by Directors, such as travel reimbursement and conference fees.

Other/Mandated Reimbursements include miscellaneous expenses that do not specifically apply to any of the above-referenced categories less mandated cost reimbursements due from the State.

Transfers to Sewer are for overall administrative costs attributable to sewer.

Administrative Credit Transfer is a collection or recovery of overhead costs that are applied to all construction work orders.

2012-2013 WATER OPERATING BUDGET
$35,728,000



VALLECITOS WATER DISTRICT

WATER OPERATIONS BUDGET FOR THE YEAR ENDING JUNE 30, 2013

		Actual FY 10-11	Budget FY 11-12	Projected FY 11-12	Budget FY 12-13	Estimated FY 13-14
OPERATING REVENUES						
Water Sales	*4001*	$17,298,173	$18,894,000	$ 20,149,000	$24,516,000	$27,571,000
Ready to Serve	*4003*	9,080,597	9,776,000	9,919,000	10,476,000	11,005,000
Pumping Charges	*4002*	171,875	197,000	176,000	184,000	171,000
Interest	*4401*	15,738	7,000	5,000	5,000	5,000
Other	*Various*	472,309	501,000	536,000	547,000	558,000
Total Revenue		27,038,692	29,375,000	30,785,000	35,728,000	39,310,000
OPERATING EXPENSES						
Water Purchases	*1010*	16,468,792	18,302,000	19,064,000	22,517,000	25,237,000
Pumping	*2010*	266,670	324,000	280,000	324,000	344,000
Water Quality	*2020*	125,172	165,000	82,000	159,000	213,000
Water Treatment	*2030*	211,587	139,000	261,000	225,000	237,000
Tanks & Reservoirs	*2040*	400,277	434,000	306,000	389,000	445,000
Transmission & Dist.	*2050*	1,117,735	967,000	987,000	1,188,000	1,296,000
Services	*2060*	153,563	190,000	112,000	156,000	205,000
Meters	*2070*	511,121	494,000	492,000	520,000	565,000
Backflow Prevention	*2080*	76,071	37,000	52,000	44,000	46,000
Customer Accounts	*4010*	685,560	742,000	670,000	767,000	809,000
Equipment & Vehicles	*4210*	251,125	297,000	256,000	306,000	323,000
Building & Grounds	*4110*	405,539	346,000	362,000	326,000	335,000
Engineering	*5010*	1,466,974	1,191,000	1,219,000	1,087,000	913,000
Safety & Reg. Affairs	*5210*	198,240	207,000	217,000	212,000	222,000
Information Technology	*6230*	482,833	546,000	493,000	544,000	536,000
General & Admin.	*6xxx*	3,271,901	3,274,000	3,183,000	3,043,000	3,247,000
Total Expense		26,093,160	27,655,000	28,036,000	31,807,000	34,973,000
OPERATING INCOME		945,532	1,720,000	2,749,000	3,921,000	4,337,000
LESS TRANSFERS TO REPLACEMENT RESERVE		945,532	1,720,000	2,749,000	3,921,000	4,337,000
NET INCOME		$ -	$ -	$ -	$ -	$ -

VALLECITOS WATER DISTRICT

WATER OPERATIONS BUDGET FOR THE YEAR ENDING JUNE 30, 2013

		Actual FY 10-11	Budget FY 11-12	Projected FY 11-12	Budget FY 12-13	Estimated FY 13-14
WATER PURCHASES	*5001*	$16,468,792	$18,302,000	$ 19,064,000	$22,517,000	$25,237,000
PUMPING						
Cost of Labor	*2010xxx.51xx*	76,793	77,000	57,000	72,000	80,000
Materials & Supplies	*" .53xx*	7,359	11,000	9,000	25,000	26,000
Outside Repair/Service	*" .54xx*	12,134	9,000	6,000	10,000	10,000
Power	*" .5306*	170,384	227,000	208,000	217,000	228,000
Total Pumping		266,670	324,000	280,000	324,000	344,000
WATER QUALITY						
Cost of Labor	*2020000.51xx*	77,125	125,000	45,000	111,000	164,000
Material & Supplies	*" .53xx*	17,333	11,000	14,000	16,000	16,000
Outside Repair/Service	*" .54xx*	30,714	29,000	23,000	32,000	33,000
Total Water Treatment		125,172	165,000	82,000	159,000	213,000
WATER TREATMENT						
Cost of Labor	*2030000.51xx*	177,949	111,000	223,000	188,000	198,000
Material & Supplies	*" .53xx*	29,298	11,000	23,000	31,000	32,000
Outside Repair/Service	*" .54xx*	4,340	16,000	14,000	5,000	6,000
Power	*" .5306*	-	1,000	1,000	1,000	1,000
Total Water Treatment		211,587	139,000	261,000	225,000	237,000
TANKS & RESERVOIRS						
Cost of Labor	*2040xxx.51xx*	311,540	307,000	247,000	280,000	333,000
Materials & Supplies	*" .53xx*	28,607	76,000	20,000	22,000	23,000
Outside Repair/Service	*" .54xx*	57,260	48,000	36,000	83,000	85,000
Power	*" .5306*	2,870	3,000	3,000	4,000	4,000
Total Tanks & Reservoirs		400,277	434,000	306,000	389,000	445,000
TRANSMISSION & DISTRIBUTION						
Cost of Labor	*2050xxx.51xx*	822,961	719,000	739,000	932,000	1,031,000
Materials & Supplies	*" .53xx*	179,720	129,000	121,000	128,000	132,000
Outside Repair	*" .54xx*	105,800	110,000	118,000	118,000	122,000
Power	*" .5306*	9,254	9,000	9,000	10,000	11,000
Total Trans. & Dist.		1,117,735	967,000	987,000	1,188,000	1,296,000
SERVICES						
Cost of Labor	*2060xxx.51xx*	98,422	119,000	69,000	101,000	148,000
Materials & Supplies	*" .53xx*	35,994	42,000	26,000	37,000	38,000
Outside Repair	*" .54xx*	19,147	29,000	17,000	18,000	19,000
Total Services		153,563	190,000	112,000	156,000	205,000

VALLECITOS WATER DISTRICT

WATER OPERATIONS BUDGET FOR THE YEAR ENDING JUNE 30, 2013

		Actual FY 10-11	Budget FY 11-12	Projected FY 11-12	Budget FY 12-13	Estimated FY 13-14
METERS						
Cost of Labor	*2070xxx.51xx*	$ 466,639	$ 456,000	$ 463,000	$ 468,000	$ 512,000
Material & Supplies	*" .53xx*	34,680	33,000	22,000	45,000	46,000
Outside Service/Repair	*" .54xx*	9,802	5,000	7,000	7,000	7,000
Total Meters		511,121	494,000	492,000	520,000	565,000
BACKFLOW PREVENTION						
Cost of Labor	*2080000.51xx*	74,176	36,000	50,000	43,000	44,000
Materials & Supplies	*" .53xx*	1,895	1,000	2,000	1,000	2,000
Total Backflow		76,071	37,000	52,000	44,000	46,000
CUSTOMER ACCOUNTS						
Cost of Labor	*4010000.51xx*	507,871	544,000	497,000	572,000	608,000
Materials & Supplies	*" .53xx*	76,988	78,000	74,000	80,000	82,000
Outside Service/Repair	*" .54xx*	30,383	30,000	16,000	25,000	26,000
Uncollectible Accts.	*" .5703*	70,318	90,000	83,000	90,000	93,000
Total Cust. Accts.		685,560	742,000	670,000	767,000	809,000
EQUIPMENT & VEHICLES						
Cost of Labor	*4210000.51xx*	106,128	103,000	90,000	91,000	97,000
Material & Supplies	*" .53xx*	35,125	66,000	41,000	37,000	38,000
Fuel	*" .5307*	105,227	110,000	117,000	170,000	179,000
Outside Repair	*" .54xx*	4,645	18,000	8,000	8,000	9,000
Total Equip. & Vehicles		251,125	297,000	256,000	306,000	323,000
BUILDING & GROUNDS						
Cost of Labor	*4110000.51xx*	242,317	195,000	190,000	159,000	169,000
Materials & Supplies	*" .53xx*	55,876	41,000	54,000	48,000	49,000
Outside Services	*" .54xx*	81,123	80,000	87,000	86,000	82,000
Power	*" .5306*	26,223	30,000	31,000	33,000	35,000
Total Bldg. & Grnd.		405,539	346,000	362,000	326,000	335,000
ENGINEERING						
Cost of Labor	*5010000.51xx*	1,349,496	1,150,000	1,195,000	1,046,000	870,000
Materials & Supplies	*" .53xx*	53,781	10,000	11,000	10,000	11,000
Outside Services	*" .54xx*	63,697	31,000	13,000	31,000	32,000
Total Engineering		1,466,974	1,191,000	1,219,000	1,087,000	913,000

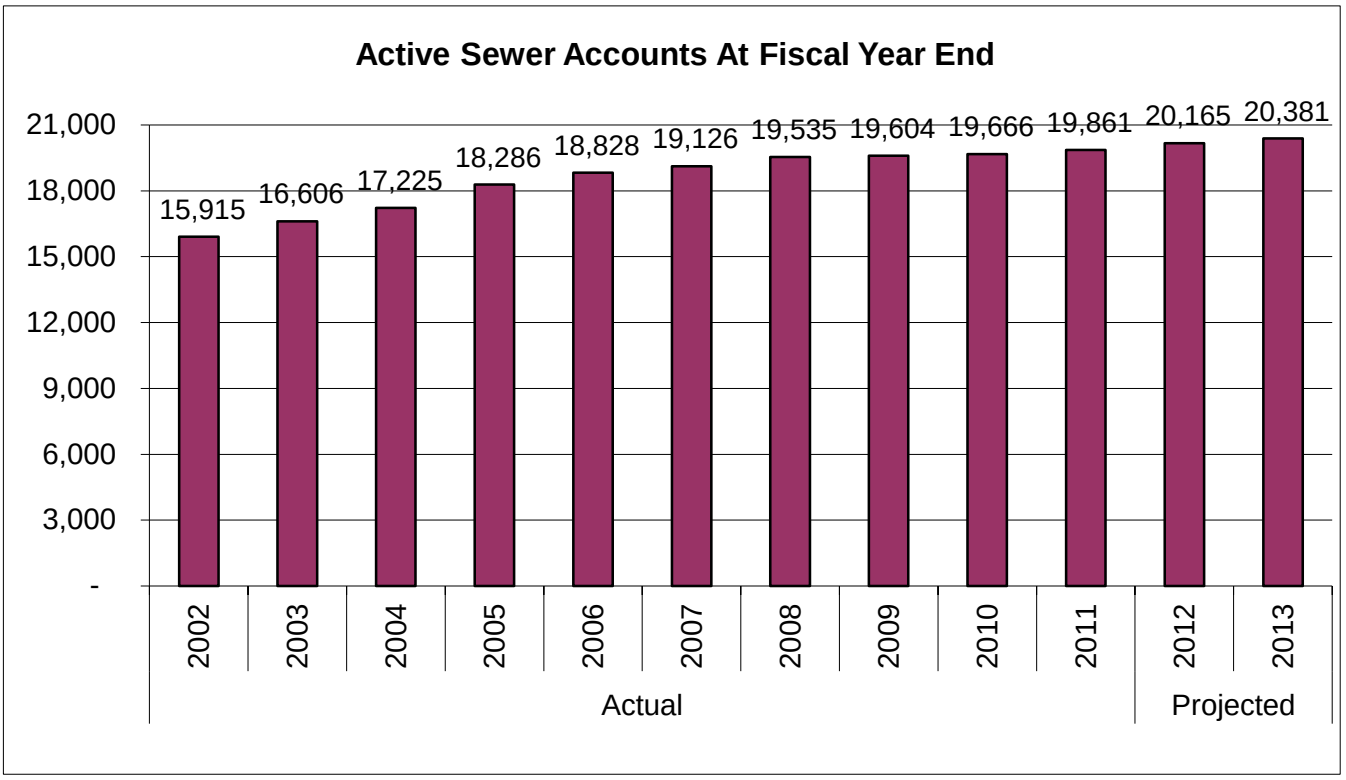
VALLECITOS WATER DISTRICT

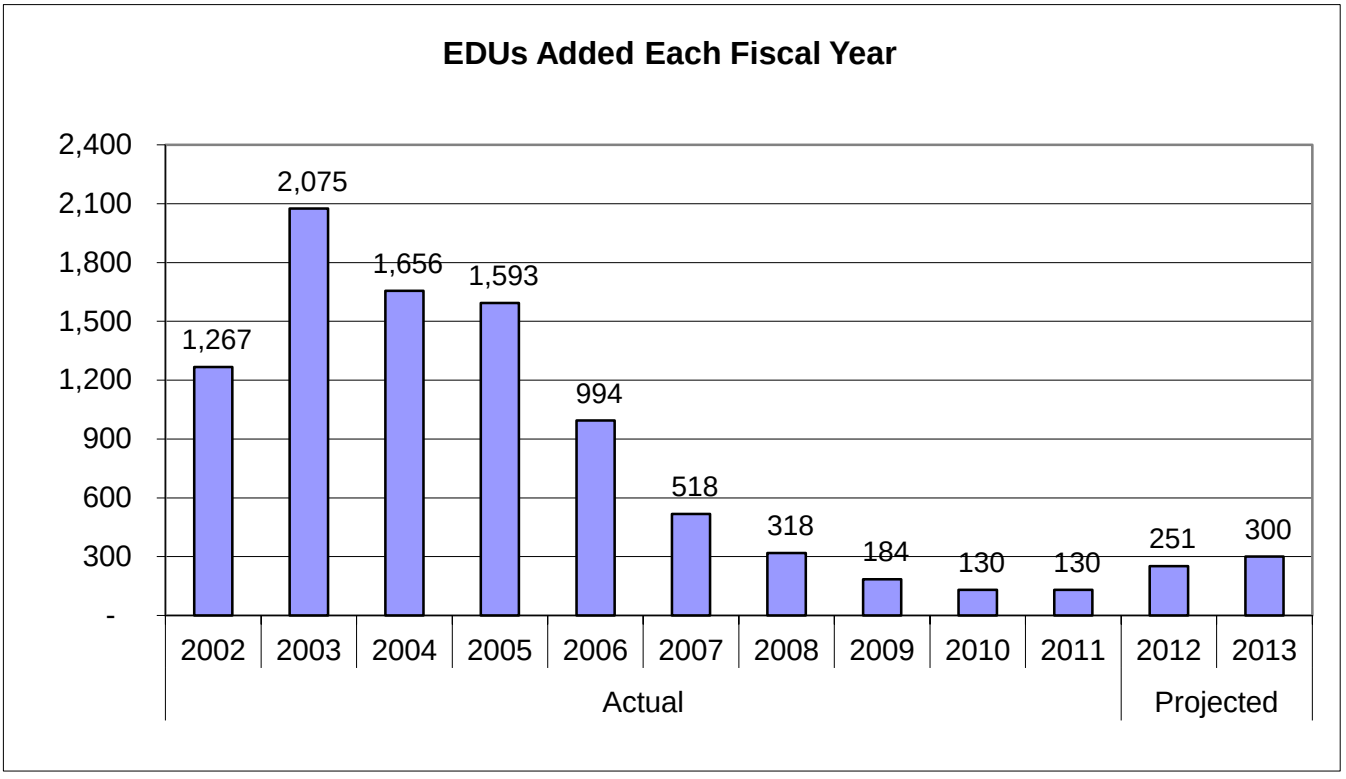
WATER OPERATIONS BUDGET FOR THE YEAR ENDING JUNE 30, 2013

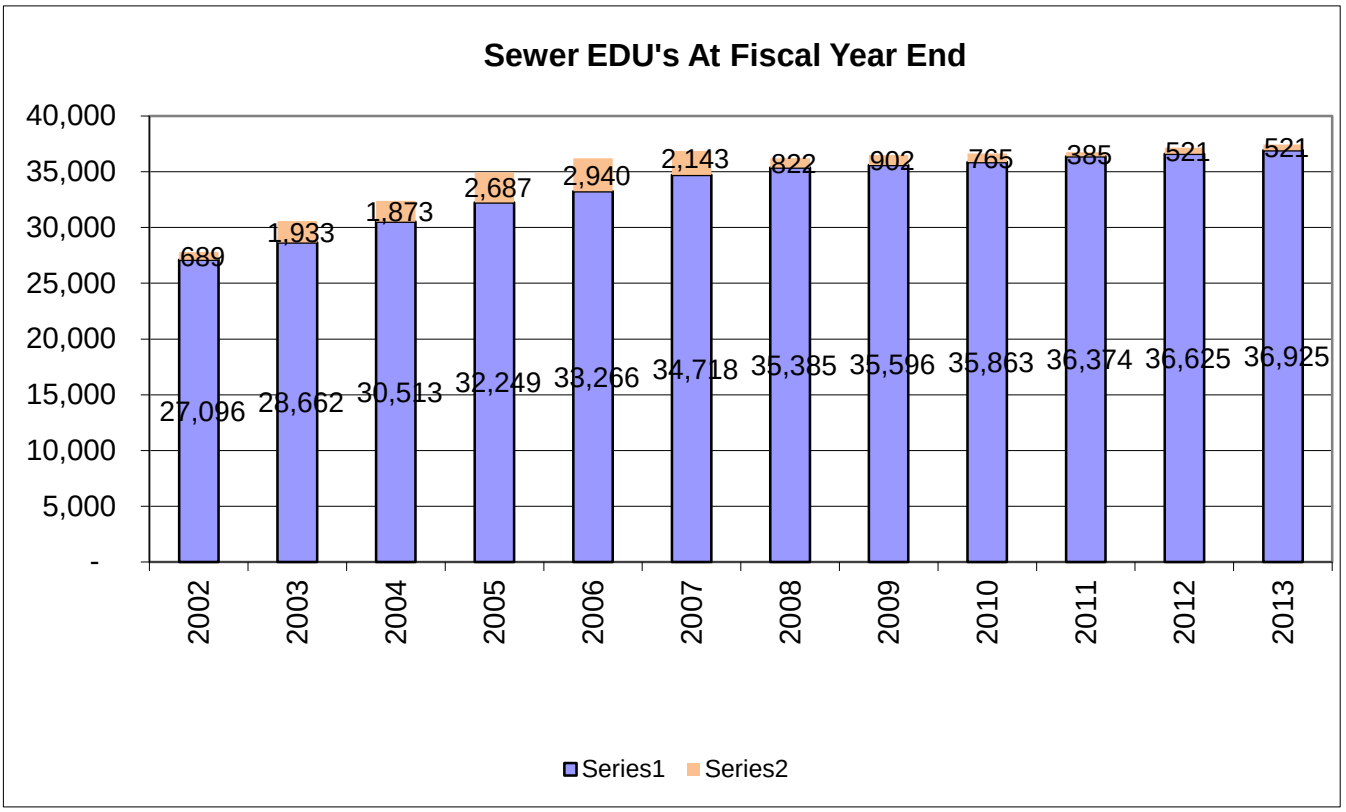
		Actual FY 10-11	Budget FY 11-12	Projected FY 11-12	Budget FY 12-13	Estimated FY 13-14
SAFETY & REG. AFFAIRS						
Cost of Labor	*5210000.51xx*	$ 180,178	$ 180,000	$ 188,000	$ 179,000	$ 187,000
Materials & Supplies	*" .53xx*	8,687	11,000	21,000	15,000	16,000
Safety Support	*" .54xx*	9,375	16,000	8,000	18,000	19,000
Total Safety		198,240	207,000	217,000	212,000	222,000
INFORMATION TECHNOLOGY						
Cost of Labor	*6230000.51xx*	251,037	239,000	261,000	258,000	272,000
Computers & supplies	*" .53xx*	92,062	78,000	85,000	67,000	69,000
Computer Consulting	*" .54xx*	139,734	229,000	147,000	219,000	195,000
Total Information Tech		482,833	546,000	493,000	544,000	536,000
GENERAL & ADMINISTRATION						
Cost of Labor	*6xxxxx.51xx*	2,619,865	2,301,000	2,438,000	2,156,000	2,402,000
Directors Fees	*" .5101*	30,449	70,000	70,000	73,000	75,000
District Insurance	*" .5201*	108,621	165,000	111,000	155,000	175,000
Travel	*" .5202*	3,572	6,000	11,000	15,000	15,000
Meetings & Seminars	*" .5203*	15,345	30,000	19,000	27,000	25,000
Dues & Subscriptions	*" .5204*	62,163	59,000	59,000	62,000	64,000
Directors Expenses	*" .5205*	35,120	35,000	51,000	40,000	41,000
Office Supplies	*" .5301*	52,331	58,000	43,000	34,000	35,000
Awareness/Conservation	*" .5303*	112,360	175,000	164,000	125,000	129,000
Postage	*" .5304*	10,955	9,000	2,000	2,000	2,000
Outside Services	*" .5401*	100,140	254,000	113,000	245,000	178,000
Legal	*" .5402*	86,858	120,000	110,000	120,000	124,000
Auditing	*" .5403*	20,025	21,000	19,000	25,000	26,000
Bank/Investment Svcs	*" .5501*	23,235	26,000	24,000	26,000	27,000
Regulatory Fees	*" .5502*	-	20,000	16,000	16,000	16,000
Election & Annexation	*" .5503*	2,907	5,000	1,000	5,000	5,000
Other/Reimbursements		112,920	10,000	15,000	17,000	18,000
Admin Credit Transfer.	*4702*	(124,965)	(90,000)	(83,000)	(100,000)	(110,000)
Total Gen. & Admin.		3,271,901	3,274,000	3,183,000	3,043,000	3,247,000
TOTAL EXPENSES		$26,093,160	$27,655,000	$ 28,036,000	$31,807,000	$34,973,000

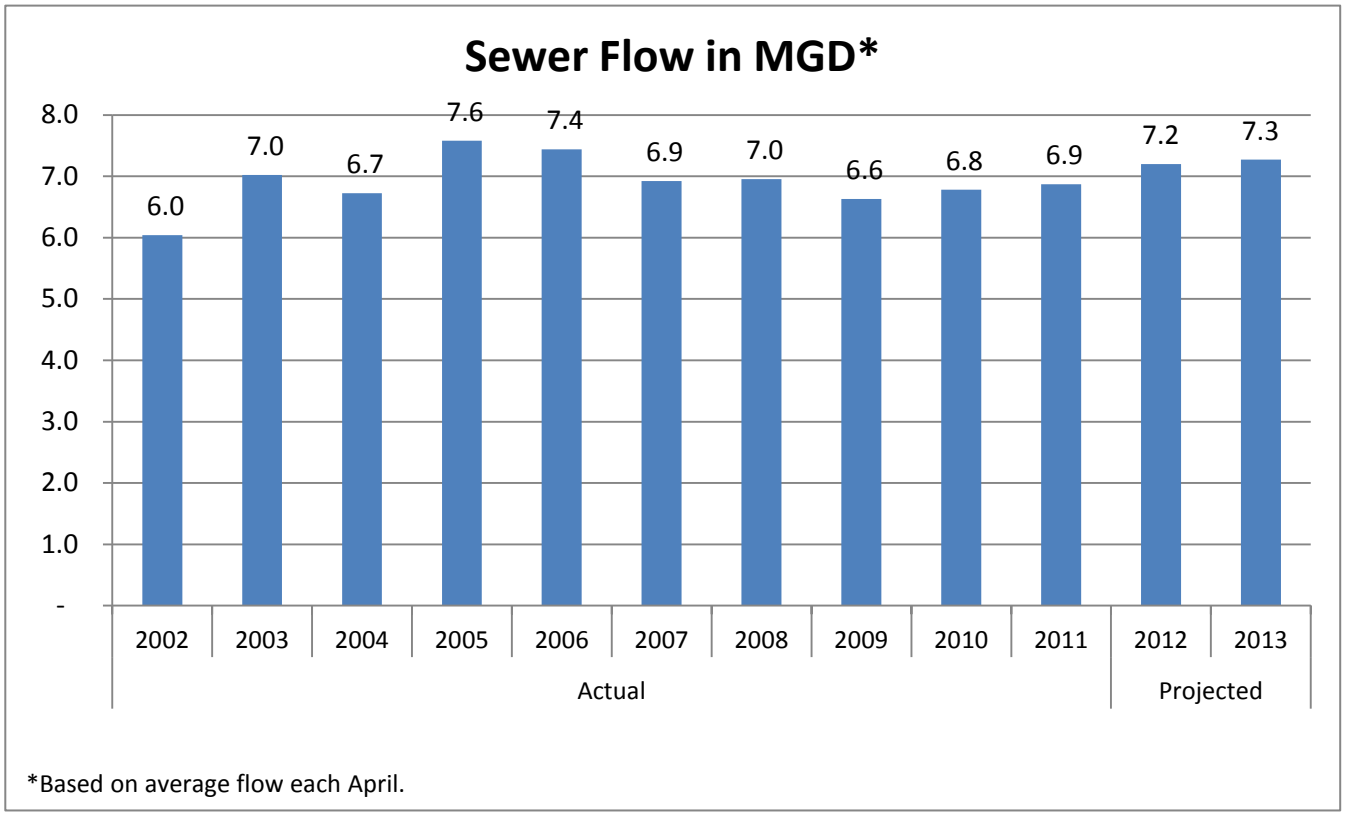
2012-2013 OPERATING BUDGET

WASTEWATER


Active Sewer Accounts At Fiscal Year End
21,000
18,000
15,000
12,000
9,000
6,000
3,000
-
15,915
16,606
17,225
18,286
18,828
19,126
19,535
19,604
19,666
19,861
20,165
20,381
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
Actual
Projected


EDUs Added Each Fiscal Year
2,400
2,100
1,800
1,500
1,200
900
600
300
-
1,267
2,075
1,656
1,593
994
518
318
184
130
130
251
300
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
Actual
Projected





*Based on average flow each April.

BUDGET FOR THE YEAR ENDING JUNE 30, 2013

FUNCTION DEFINITIONS - WASTEWATER OPERATIONS

REVENUES

Sewer Service: Monthly charges to cover the cost to collect, treat and dispose of wastewater, and to maintain the various wastewater facilities.

Reclaimed Water Sales: Revenue generated from contractual sale of reclaimed water.

Other: Interest revenue, late charges, engineering fees and other miscellaneous revenues.

OPERATING EXPENSES

Collection and Conveyance: Maintaining flow in 249 miles of District sewer lines. Includes blockage removal, television inspection, and maintenance of pipeline system and manholes.

Lift Stations: Cost of lifting sewage flows at the Montiel Lift Station, Lake San Marcos Lift Station and Questhaven sewer lift station. Includes maintenance and power costs of the pumping systems.

Peroxide Station: Odor control by injection of hydrogen peroxide at outfall line on El Camino Real. Includes monitoring, maintenance, and chemicals. This site has been decommissioned, but continues to be maintained for potential future use.

Industrial Waste: Costs to ensure compliance with federal, state, and local regulations as administered through the Encina Wastewater Authority.

Encina Disposal: Cost reimbursement to the Encina Wastewater Authority for processing wastewater and returning clean water to the environment.

Meadowlark Plant: All costs attributed to treating wastewater and for production and sale of reclaimed water to Carlsbad MWD, including operation and maintenance of the plant, No. 1 Lift Station, and Mahr Reservoir.

Customer Accounts: Responses to customer problems, billing costs, and uncollectible accounts.

Equipment and Vehicles: Maintenance of sewer vehicles and equipment and transfer of a portion of administrative and water operations vehicle costs attributable to sewer.

Buildings and Grounds: A transfer of costs attributable to sewer.

Engineering: A transfer of engineering costs attributable to sewer.

BUDGET FOR THE YEAR ENDING JUNE 30, 2013

FUNCTION DEFINITIONS - WASTEWATER OPERATIONS (Continued)

Safety and Compliance: A transfer of safety and regulatory affairs costs attributable to sewer operations.

General and Administrative

Salaries include all vacation, sick leave, and holiday time for sewer personnel.

Group Insurance is health, vision, and dental costs for all sewer personnel.

Workers' Compensation Insurance covers all sewer personnel.

Public Employees Retirement System (PERS) participation costs for all sewer personnel.

Social Security cost for all sewer personnel.

Other Taxes include unemployment and other miscellaneous employee taxes for sewer personnel.

Travel costs for sewer personnel.

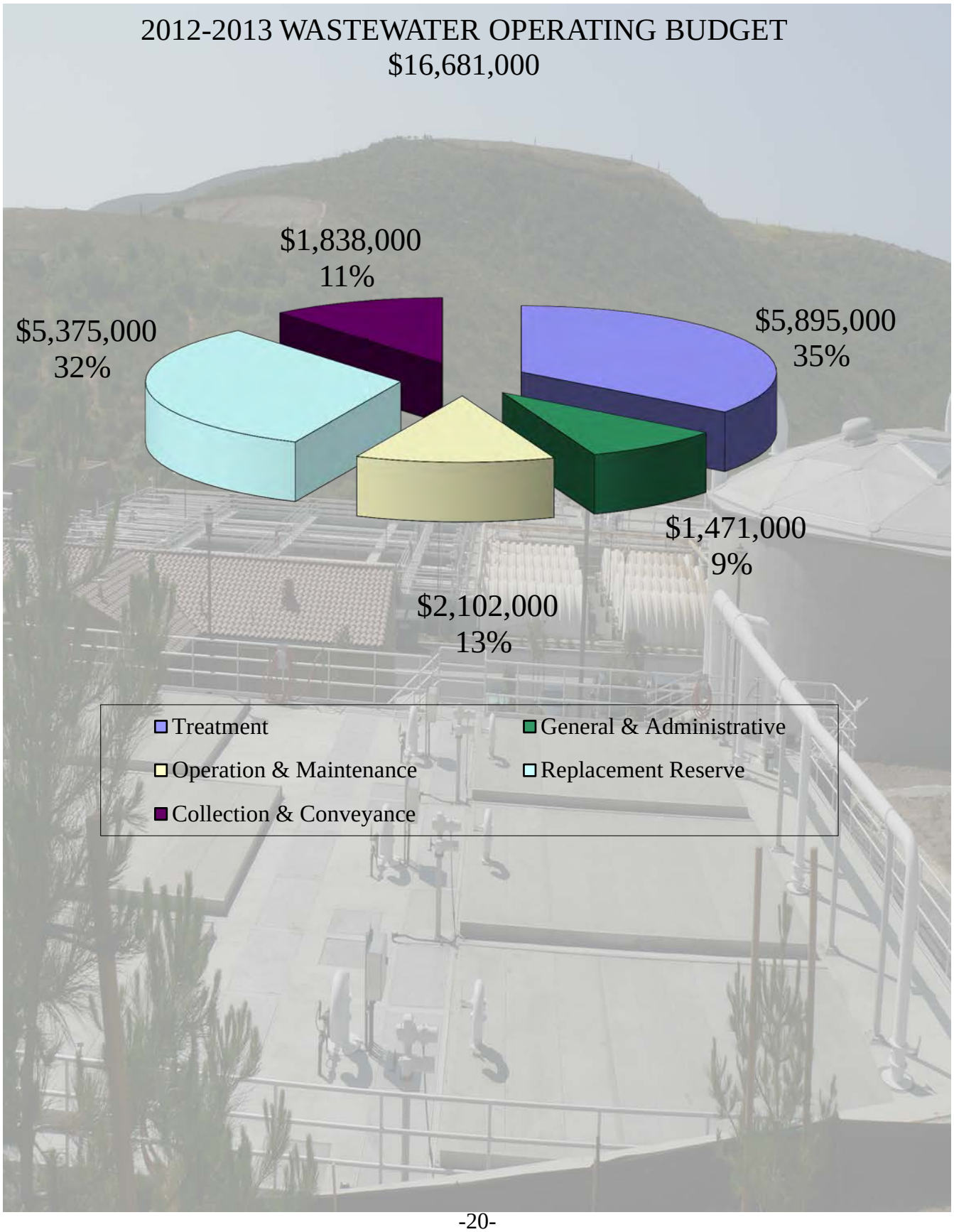
Meetings and Seminars fees for sewer personnel are to provide District representation and professional development.

Dues and Subscriptions and periodical costs are for sewer-related activities.

Other includes miscellaneous expenses that do not specifically apply to any of the above-referenced categories.

Transfer From Water is overall administrative costs attributable to sewer.

Administrative Credit Transfer is the collection or recovery of overhead costs that apply to all construction work orders.


2012-2013 WASTEWATER OPERATING BUDGET
$16,681,000
$1,838,000
11%
$5,375,000
32%
$5,895,000
35%
$1,471,000
9%
$2,102,000
13%
Treatment
General & Administrative
Operation & Maintenance
Replacement Reserve
Collection & Conveyance

VALLECITOS WATER DISTRICT

WASTEWATER OPERATIONS BUDGET FOR THE YEAR ENDING JUNE 30, 2013

		Actual FY 10-11	Budget FY 11-12	Projected FY 11-12	Budget FY 12-13	Estimated FY 13-14
OPERATING REVENUES						
Sewer Service	*4101*	$ 12,855,742	$ 13,528,000	$ 13,830,000	$ 14,622,000	$ 14,723,000
Reclaimed Water Sales	*4102*	1,604,276	1,809,000	1,722,000	1,970,000	1,964,000
Other	*Various*	89,901	78,000	87,000	89,000	91,000
Total Revenue		14,549,919	15,415,000	15,639,000	16,681,000	16,778,000
OPERATING EXPENSES						
Collection & Conveyance	*3010000*	1,742,198	1,774,000	1,801,000	1,838,000	2,268,000
Lift Stations	*3020000*	233,780	284,000	213,000	214,000	280,000
Peroxide Station	*3050000*	2,790	6,000	4,000	11,000	13,000
Industrial Waste	*3060000*	47,385	82,000	68,000	122,000	154,000
Encina Disposal	*3070000*	2,097,610	2,302,000	2,252,000	2,300,000	2,666,000
Meadowlark Plant	*3410000*	3,116,849	3,248,000	2,800,000	3,595,000	3,599,000
Customer Accounts	*4010000*	310,405	350,000	285,000	364,000	382,000
Equipment & Vehicles	*4210000*	122,139	163,000	159,000	182,000	191,000
Buildings & Grounds	*4110000*	159,660	190,000	120,000	163,000	173,000
Engineering	*5010000*	611,079	579,000	487,000	587,000	515,000
Safety & Compliance	*5210000*	110,088	133,000	104,000	136,000	142,000
Information Technology	*6230000*	275,585	361,000	303,000	323,000	337,000
General & Admin.	*6xxx000*	1,649,583	1,771,000	993,000	1,471,000	1,616,000
Total Expense		10,479,151	11,243,000	9,589,000	11,306,000	12,336,000
OPERATING INCOME		4,070,768	4,172,000	6,050,000	5,375,000	4,442,000
LESS: TRANSFERS TO REPLACEMENT RESERVE		4,070,768	4,172,000	6,050,000	5,375,000	4,442,000
NET INCOME		$ -	$ -	$ -	$ -	$ -

VALLECITOS WATER DISTRICT

WASTEWATER OPERATIONS BUDGET FOR THE YEAR ENDING JUNE 30, 2013

		Actual FY 10-11	Budget FY 11-12	Projected FY 11-12	Budget FY 12-13	Estimated FY 13-14
COLLECTION/CONVEYANCE						
Cost of Labor	*3010xxx.51xx*	$ 1,405,823	$ 1,426,000	$ 1,432,000	$ 1,445,000	$ 1,862,000
Materials & Supplies	*" .53xx*	72,277	95,000	121,000	114,000	117,000
Chemicals	*" .5350*	195,516	156,000	170,000	170,000	175,000
Outside Repair/Power	*" .5xxx*	68,582	97,000	78,000	109,000	114,000
Total Collection/Conveyance		1,742,198	1,774,000	1,801,000	1,838,000	2,268,000
LIFT STATIONS						
Cost of Labor	*3020xxx.51xx*	119,555	110,000	125,000	116,000	178,000
Materials & Supplies	*" .53xx*	54,942	54,000	31,000	38,000	39,000
Outside Repair/Service	*" .54xx*	19,935	72,000	21,000	50,000	52,000
Power	*" .5306*	39,348	48,000	36,000	10,000	11,000
Total Lift Stations		233,780	284,000	213,000	214,000	280,000
PEROXIDE STATION						
Cost of Labor	*3050000.51xx*	2,479	4,000	3,000	9,000	11,000
Outside Repair/Power	*" .5xxx*	311	2,000	1,000	2,000	2,000
Total Peroxide Sta.		2,790	6,000	4,000	11,000	13,000
SOURCE CONTROL						
Cost of Labor	*3060000.51xx*	27,283	40,000	26,000	79,000	110,000
Materials & Supplies	*" .53xx*	20,102	42,000	42,000	43,000	44,000
Total Industrial Waste		47,385	82,000	68,000	122,000	154,000
ENCINA DISPOSAL	*3070000.551*	2,097,610	2,302,000	2,252,000	2,300,000	2,666,000
MEADOWLARK LIFT STATION						
Cost of Labor	*3710000.51xx*	139,988	119,000	74,000	148,000	161,000
Material & Supplies	*" .53xx*	33,268	53,100	44,000	47,000	48,000
Chemicals	*" .5350*	239,094	234,000	245,000	240,000	239,000
Outside Repair	*" .54xx*	47,836	19,900	13,000	65,000	46,000
Power	*" .5306*	62,726	70,000	75,000	75,000	79,000
Total Lift Sta.		522,912	496,000	451,000	575,000	573,000

VALLECITOS WATER DISTRICT

WASTEWATER OPERATIONS BUDGET FOR THE YEAR ENDING JUNE 30, 2013

		Actual FY 10-11	Budget FY 11-12	Projected FY 11-12	Budget FY 12-13	Estimated FY 13-14
MEADOWLARK PLANT						
Cost of Labor	*3410000.51xx*	$ 949,747	$ 872,000	$ 728,000	$ 912,000	$ 1,007,000
Materials & Supplies	*" .53xx*	274,050	400,000	299,000	410,000	381,000
Chemicals	*" .5350*	530,343	560,000	595,000	635,000	633,000
Outside Services	*" .54xx*	196,771	351,000	166,000	406,000	369,000
Power	*" .5306*	351,304	310,000	363,000	365,000	383,000
Telephone	*" .5305*	5,812	6,000	6,000	7,000	7,000
Total Meadowlark		2,308,027	2,499,000	2,157,000	2,735,000	2,780,000
MAHR RESERVOIR						
Cost of Labor	*3810000.51xx*	67,220	51,000	92,000	120,000	128,000
Materials & Supplies	*" .53xx*	145,175	50,000	20,000	60,000	26,000
Chemicals	*" .5350*	31,146	100,000	50,000	50,000	50,000
Outside Repair	*" .54xx*	30,797	37,000	20,000	45,000	31,000
Power	*" .5306*	11,572	15,000	10,000	10,000	11,000
Total Mahr Reservoir		285,910	253,000	192,000	285,000	246,000
CUSTOMER ACCOUNTS						
Cost of Labor	*4010000.51xx*	230,106	272,000	196,000	279,000	296,000
Materials & Supplies	*" .53xx*	44,011	43,000	45,000	45,000	45,000
Outside Repair	*" .54xx*	22,375	5,000	10,000	10,000	10,000
Uncollectible Accts.	*" .5703*	13,913	30,000	34,000	30,000	31,000
Total Cust. Accts.		310,405	350,000	285,000	364,000	382,000
EQUIPMENT & VEHICLES						
Cost of Labor	*4210000.51xx*	47,729	56,000	41,000	57,000	61,000
Materials & Supplies	*" .53xx*	26,564	42,000	57,000	37,000	38,000
Fuel	*" .5307*	43,855	50,000	53,000	80,000	84,000
Outside Repair	*" .54xx*	3,991	15,000	8,000	8,000	8,000
Total Equip. & Veh.		122,139	163,000	159,000	182,000	191,000
BUILDING & GROUNDS						
Cost of Labor	*4110000.51xx*	98,059	122,000	58,000	99,000	108,000
Materials & Supplies	*" .53xx*	9,107	23,000	6,000	10,000	10,000
Outside Services	*" .54xx*	35,012	30,000	36,000	34,000	34,000
Power	*" .5306*	17,482	15,000	20,000	20,000	21,000
Total Building & Grounds		159,660	190,000	120,000	163,000	173,000
ENGINEERING						
Cost of Labor	*5010000.51xx*	587,502	548,000	479,000	556,000	483,000
Materials & Supplies	*" .53xx*	10,863	8,000	3,000	8,000	8,000
Outside Services	*" .54xx*	12,714	23,000	5,000	23,000	24,000
Total Engineering		611,079	579,000	487,000	587,000	515,000

VALLECITOS WATER DISTRICT

WASTEWATER OPERATIONS BUDGET FOR THE YEAR ENDING JUNE 30, 2013

		Actual FY 10-11	Budget FY 11-12	Projected FY 11-12	Budget FY 12-13	Estimated FY 13-14
SAFETY & REGULATORY AFFAIRS						
Cost of Labor	*5210000.51xx*	$ 104,567	$ 119,000	$ 100,000	$ 118,000	$ 124,000
Materials & Supplies	*" .53xx*	773	7,000	1,000	12,000	12,000
Safety Support	*" .54xx*	4,748	7,000	3,000	6,000	6,000
Total Safety/Reg Affairs		110,088	133,000	104,000	136,000	142,000
INFORMATION TECH						
Cost of Labor	*6230000.51xx*	136,590	160,000	135,000	148,000	157,000
Computers & supplies	*" .53xx*	38,879	54,000	38,000	49,000	50,000
Computer Consulting	*" .54xx*	100,116	147,000	130,000	126,000	130,000
Total Information Tech		275,585	361,000	303,000	323,000	337,000
GENERAL & ADMINISTRATION						
Cost of Labor	*6xxxxxx.51xx*	1,569,186	1,370,000	817,000	1,149,000	1,329,000
Directors Fees	*" .5101*	31,644	43,000	51,000	53,000	54,000
District Insurance	*" .5201*	72,414	116,000	76,000	132,000	160,000
Travel	*" .5202*	1,599	4,000	-	4,000	4,000
Meetings & Seminars	*" .5203*	-	30,000	3,000	14,000	11,000
Dues & Subscriptions	*" .5204*	232	6,000	1,000	2,000	2,000
Directors Expenses	*" .5205*	-	12,000	-	12,000	12,000
Office Supplies	*" .5301*	6,510	20,000	8,000	11,000	11,000
Public Awareness	*" .5303*	-	19,000	-	14,000	14,000
Postage	*" .5304*	-	3,000	2,000	2,000	2,000
Outside Services	*" .5401*	16,665	159,000	27,000	111,000	63,000
Legal	*" .5402*	94,654	100,000	110,000	120,000	124,000
Auditing	*" .5403*	13,350	12,000	12,000	12,000	13,000
Bank/Investment Svcs	*" .5501*	15,464	13,000	16,000	15,000	16,000
Regulatory Fees	*" .5502*	-	10,000	1,000	6,000	6,000
Election & Annexation	*" .5503*	-	2,000	-	2,000	2,000
Other	*" .5702*	5,918	2,000	2,000	2,000	3,000
Admin Credit Trans	*4702*	(178,053)	(150,000)	(133,000)	(190,000)	(210,000)
Total Gen. & Admin.		1,649,583	1,771,000	993,000	1,471,000	1,616,000
TOTAL EXPENSES		$ 10,479,151	$ 11,243,000	$ 9,589,000	$ 11,306,000	$ 12,336,000

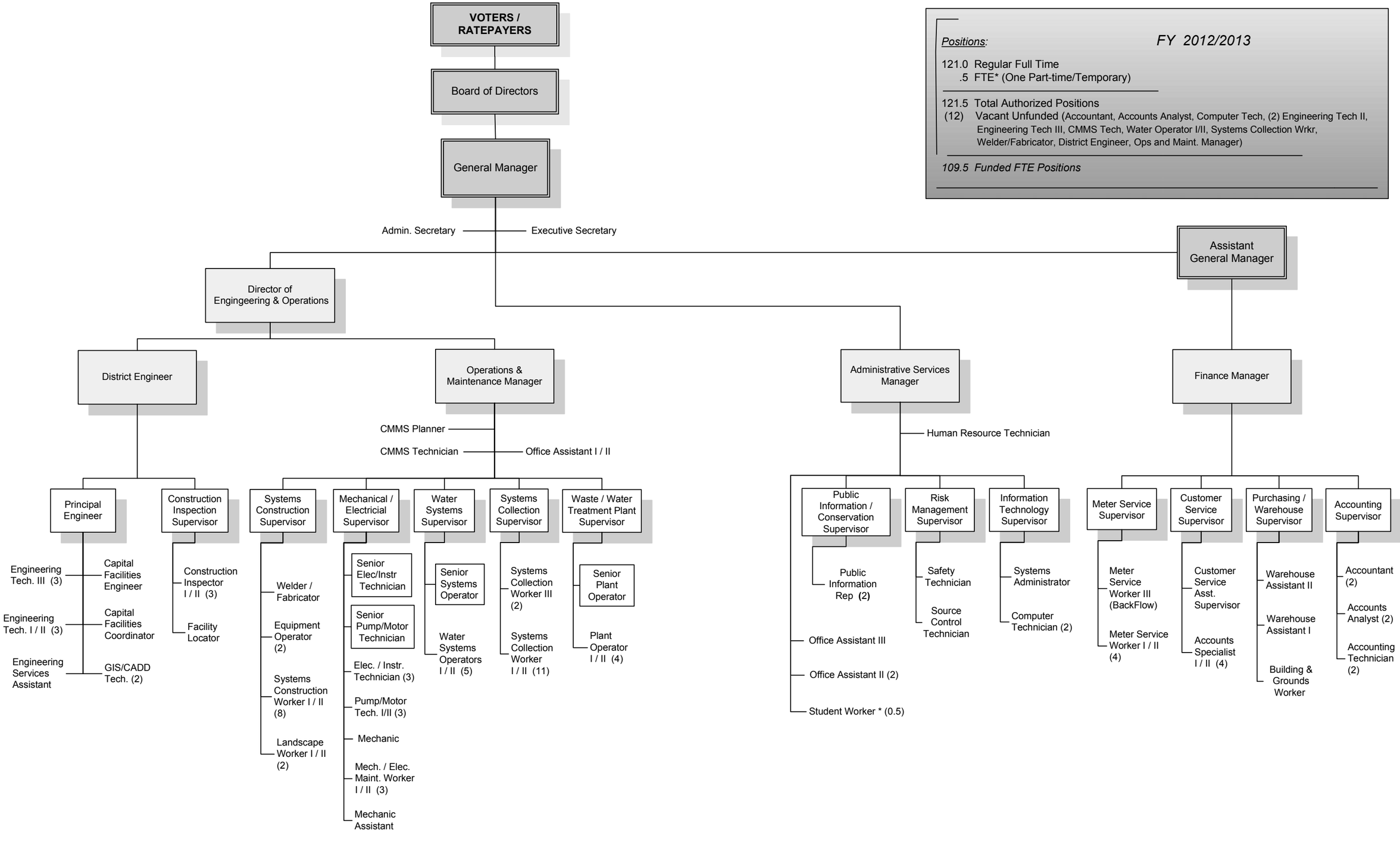
BUDGET FOR THE YEAR ENDING JUNE 30, 2013

SALARY AND BENEFIT RECAP

	Actual FY 10-11	Budget FY 11-12	Projected FY 11-12	Budget FY 12-13	Estimated FY 13-14
SALARIES					
Water Operations	$ 4,215,738	$ 4,054,000	$ 4,189,000	$ 4,111,000	$ 4,413,000
Wastewater Operations	2,880,758	3,206,000	2,628,000	3,232,000	3,730,000
Subtotal	7,096,496	7,260,000	6,817,000	7,343,000	8,143,000
Labor Posted to Work Orders*	415,623	454,000	453,000	502,000	658,000
TOTAL SALARIES	7,512,119	7,714,000	7,270,000	7,845,000	8,801,000
BENEFITS					
Public Employee Retirement	1,940,200	1,622,000	1,502,000	1,359,000	1,595,000
Group Insurance	1,814,330	1,922,000	1,901,000	2,103,000	2,361,000
Social Security	1,099,572	957,000	813,000	925,000	847,000
Workers' Comp Insurance	45,105	123,000	101,000	112,000	129,000
Other Taxes and Benefits	36,689	46,000	45,000	50,000	57,000
TOTAL BENEFITS	4,935,896	4,670,000	4,362,000	4,549,000	4,989,000
TOTAL SALARIES & BENEFITS	$ 12,448,015	$ 12,384,000	$ 11,632,000	$ 12,394,000	$ 13,790,000
Benefits as a Percentage of Salaries	65.7%	60.5%	60.0%	58.0%	56.7%
Operations	52.0	52.0	51.0	54.0	56.0
Engineering	17.0	15.0	15.0	14.0	15.0
Finance	20.0	20.0	20.0	21.0	21.0
Administration	17.5	18.5	17.5	20.5	20.5
Total Funded FTEs	106.5	105.5	103.5	109.5	112.5

* There is also a labor overhead charge to work orders to cover benefit costs which are a part of the credit in the General and Administration sections of Water and Wastewater operations.

VALLECITOS WATER DISTRICT



Positions: *FY 2012/2013*

121.0 Regular Full Time
.5 FTE* (One Part-time/Temporary)

121.5 Total Authorized Positions
(12) Vacant Unfunded (Accountant, Accounts Analyst, Computer Tech, (2) Engineering Tech II, Engineering Tech III, CMMS Tech, Water Operator I/II, Systems Collection Wrkr, Welder/Fabricator, District Engineer, Ops and Maint. Manager)

109.5 Funded FTE Positions

2012-13 PERSONNEL BUDGET

POSITIONS/PERSONNEL:

Positions included in the budget were previously identified in the five year staffing which is reviewed on an annual basis. Management will scrutinize the need for all positions and only fill positions if absolutely necessary.

RECLASSIFICATIONS / ACTIVATIONS / DEACTIVATONS:

Position vacancies through attrition and the prior fiscal year hiring freeze has created the need to revaluate the District's personnel needs. Activating the positions of Assistant General Manager (5% increase) and Director of Engineering and Operations (6.5% increase) provides more support for the General Manager. Consolidating duties of the District Engineer and Operations Manager provide benefits of enabling succession mentoring and ability to adequately implement future sustainability strategies.

MRF Treatment Plant Operator - Estimated Annual Cost: $57,000 plus benefits

The operational demands of the Meadowlark Plant and Mahr Reservoir have increased, creating a work over-load on plant staff. Supervisor and Lead personnel are performing more duties at operator level, causing other supervisory duties to be postponed. This position would allow completion of projects and tasks that have been put on hold due to time and staffing. An additional operator would reduce overtime and eliminate the need for the Supervisor to have on-call duties, except in emergency situations.

Administrative Secretary - Estimated Annual Cost: $53,940 plus benefits

The General Manager's Department was restructured during the 09/10 and 11/12 fiscal years to reduce costs and the elimination of this position has placed a burden on remaining staff. This position will support the Assistant General Manager to meet new mandates, new legislation plus provide more accurate recordkeeping.

Systems Construction Worker I/II Estimated Annual Cost: $73,000 plus benefits

Four person crews are needed to help keep up with the growth of the District and additional paperwork required by new regulations. This position was approved in the fiscal year 2008/09 budget and now being activated in accordance with the five year staffing plan.

Systems Collections Worker I/II Estimated Annual Cost: $71,100 plus benefits

this position will help the District comply with required CCTV inspection/cleaning footage regulations. This position will also aid with traffic control for vactor and units. This position was approved in the fiscal year 2008/09 budget and now being activated in accordance with the five year staffing plan.

2012-13 PUBLIC AWARENESS AND CONSERVATION PROGRAM BUDGET

REBATE PROGRAMS * Prj 2013100041 W/O 117447

To encourage the purchase of qualified low flow devices, appliances, and artificial turf by issuing rebates on qualified products. For purchase of rain water harvesting barrels to encourage use of alternative water sources for residential customers. May also be used to provide rebates to customers who remove their existing turf grass and install a low-water landscape (i.e. Cash for Grass program). $ 5,000

OUTREACH & ADVERTISING Prj 2013100042 W/O 117448

For purchase of items and services used to assist customers in becoming better informed about water related issues. Includes but not limited to: purchase of videos, books, displays and promotional items; cost to participate in community events; employee education; and to provide tours of District facilities. Includes advertising, such as purchasing ad space in local newspapers and magazines, and visual media such as television and movie theater ads. Includes cost to produce and mail Splash! newsletters, Consumer Confidence Report, brochures, bill inserts, special hearing notifications, and others as needed. 77,000

VIDEO PRODUCTION Prj 2013100043 W/O 123555

Cost to hire outside production company to produce videos highlighting the District. Videos to be shown during tours of District, speaking engagements, and/or on the new VWD website. Highlighted areas of topic will include the Meadowlark Water Reclamation Facility and if schedule allows, videos also to be produced about Irrigation Audit program and sustainabilty garden. 8,000

EDUCATION Prj 2013100044 W/O 117451

For continued development and purchase of materials designed to promote and implement K-12 education programs. This includes the Splash Science Mobile Lab visits to area elementary schools and payment for bus transportation to Jacks Pond Park and Heritage Park to listen to educational water history information by District staff. Also includes bus transportation for school tours of North Twin Oaks Reservoirs, Meadowlark Water Reclamation Facility, and District Administration office and demonstration garden.

Includes materials and costs to participate in annual Water Awareness Campaign (4^{th} grade calendar/poster contest), such as the purchase of calendars, entry forms, prizes for entrants and poster contest winners. May include cost for high school video contest if contest is offered in the future by the North County Water Agencies group. 17,000

COOPERATIVE PROGRAMS* Prj 2013100045 W/O 117452

For participation in cost-sharing programs such as residential surveys; large property audits, which are outsoruced due to extensive staff time that would be required; customer service surveys; and supplies such as dye tablets, showerheads and moisture probes. 10,000

2012-13 PUBLIC AWARENESS AND CONSERVATION PROGRAM BUDGET
(continued)

WATERWISE LANDSCAPE	Prj 2013100046	W/O 117453	
To promote low water use landscape and irrigation practices. Includes the cost for sponsoring, maintaining and upgrading water-wise demonstration gardens**, landscape irrigation/plant selection workshops, signage and promotion of demonstration gardens, waterwise plant promotions, and purchase of waterwise landscape brochures and publication reprints. ** Demonstration gardens include: Sustainable Demonstration Garden at VWD Administration building, Heritage Park native plant garden and Jack's Pond Park native plant garden.			18,000
MEMBERSHIPS & EQUIPMENT	Prj 2013100047	W/O 117454	
To maintain memberships in related organizations and committees and for the purchases of new or replacement equipment.			2,000
COMMERCIAL/INDUSTRIAL	Prj 2013100048	W/O 117455	
To assist large commercial and public agency customers by providing workshops, written materials, monetary incentives, and using outside consultants.			2,000
TOTAL PUBLIC AWARENESS/CONSERVATION PROGRAM BUDGET			**$ 139,000**

* Uncertainty in the funding from the Metropolitan Water District may adversely impact the availablity of programs.

2012-2013 CAPITAL BUDGET

VALLECITOS WATER DISTRICT

Comprehensive Project List

Page Number	Project Number	Project Title	Funding Source	Previous Budget & Amendments	Estimated Amt Expended @ 6/30/12	Fiscal Year 2012-13 Carryforward	Fiscal Year 2012-13 New Request
Carryover Projects							
34	90001	Encina Land Parallel Outfall	220	$ 28,150,000	$ 140,000	$ 28,010,000	
35	71004	San Marcos interceptor sewer	210&220	15,400,000	5,900,000	9,500,000	
36	71084	Meadowlark Tank #3	110&120	4,434,000	500,000	3,934,000	
37	71219	Mountain Belle Pump Station & Pipeline Design	120	3,860,000	100,000	3,760,000	
38	2010100001	Encina Wastewater Authority - FY 11/12 & Previo	210	3,302,100	2,816,000	486,100	
39	2010100002	Linda Vista Sewer East	210&220	1,960,000	310,000	1,650,000	200,000
40	2012100001	Annual Steel Tank Refurbishment	110	769,000	489,000	280,000	703,000
41	90003	Rock Springs Sewer Replacement	210	1,160,000	245,000	915,000	185,000
42	71077	Questhaven Basin Water and Sewer Facilities	120&220	875,000	641,600	233,400	
43	80001	Old Questhaven Sewer Replacement	210&220	835,000	1,000	834,000	
44	71025	Wulff Pressure Reducing Station	110	790,000	1,100,000	(310,000)	
45	2012100002	Richland Invert Replacement	210&220	675,000	-	675,000	
46	2012100003	Sagewood Place Waterline Replacement	110	575,000	70,000	505,000	95,000
47	71126	Vulnerability Assessment Improvements	120&220	591,000	98,200	492,800	
48	2010100003	Environmental Mitigation Property	120&220	460,000	60,000	400,000	
49	80009	Bioxide Injection Station	220	400,000	5,000	395,000	
50	71159	O&M Improvements to Central Building	110&210	350,000	300	349,700	
51	2010100004	Annual Sewer Replacement and I & I Repairs	210	-	-	-	350,000
52	2012100006	District-wide Valve Replacement Program	110	156,000	105,000	51,000	69,000
53	71177	Land Outfall Clearing & Access Road	210	240,000	48,000	192,000	(40,000)
54	2012100004	Tertiary Filter Media	210	183,800	-	183,800	
55	71122	Flow Monitoring Stations	220	180,000	58,600	121,400	
56	90007	City of San Marcos Joint Projects	110&210	-	-	-	175,000
57	2012100005	Secondary Skimmer Controls (6)	210	157,200	107,200	50,000	
58	80007	Rotating Bio Contactors - Demolition & Removal	220	130,000	110,000	20,000	20,000
59	2012100009	6" Solids Pipe Vault	210	96,000	-	96,000	
60	2012100011	Lift Station One #3 Pump & Motor Assembly	250	64,000	500	63,500	
61	71088	Pavement Maintenance for Facilities	110	63,000	38,000	25,000	
62	71081	South Lake Dam Sluice Gate	110	50,000	8,000	42,000	
63	2012100014	Twin Oaks Reservoir Asphalt & Sealing	110	39,000	6,500	32,500	
64	2012100015	Effluent Piping Check Valves (2)	210	35,500	25,000	10,500	
65	2011100005	8" Pump Control Valves at Deer Springs Pump St	110	27,000	20,000	7,000	
66	2012100008	HVAC Improvements	110&210	100,000	-	100,000	(75,000)
67	90014	Power Supply Replacement for SCADA RTU's	110	18,000	13,500	4,500	-
				$ 66,125,600	***$ 13,016,400***	***$ 53,109,200***	***$ 1,682,000***
New Projects							
68	2013100001	Coronado Hills Tank #2	120				6,000,000
69	2013100002	Desalinated Water Pump Station	120				3,200,000
70	2013100003	Encina Wastewater Authority - FY 12/13	210				2,024,000
71	2013100004	MRF Solids Force Main Replacement	210				1,510,000
72	2013100005	Montiel Lift Station Replacement	210&220				1,200,000
73	2013100006	High Point Pipeline	120				700,000
74	2013100007	12" Failsafe Replacement/Redwing St.	210				170,000
75	2013100008	MRF Primary Clarifier Recoating	210				150,000
76	2013100009	Maximo Software Upgrade	110&210				110,000
77	2013100010	MRF Telescoping Valve Control	210				70,000
78	2013100011	MRF Tertiary Filter Valve Actuator Controls	210				50,000
79	2013100012	MRF Headworks Building Hoist System	210				45,000
80	2013100013	MRF Refurbish 3-Stage Vertical Turbine Effluent Pump	210				45,000
81	2013100014	MRF Secondary Clarifier Flight Drive w/VFD	210				40,500
82	2013100015	Effluent Chlorine Analyzer at Twin Oaks Reservoi	110				40,000
83	2013100016	Supplemental Chlorine Injection Systems at Aqueduct Connections	120				36,000
84	2013100017	SCADA Radio Antenna Masts	110				28,000
85	2013100018	MRF Removal of Control Panel 1	210				22,000
86	2013100019	Modify and Update Central Plant Controls	110&210				20,000
87	2013100020	MRF Conversion of Microscreen Building to Stora	210				15,000
88	2013100021	MRF Failsafe (Ocean Outfall) De-chlorination Syst	210				14,500
89	2013100022	MRF Potable Water Station Storage Tank	210				11,500
90	2013100023	SCADA Monitoring for Buckshot PRS	110				12,000
91	2013100024	Modify and Update Middle Gate at Dist HQ	110&210				11,000
92	2013100025	Via Vera Cruz Tank Seismic Sensor System	120				9,000
93	2013100026	ELAP Certification for Water Operations Lab	120				8,000
				$ -	***$ -***	***$ -***	***$ 15,541,500***
				$ 66,125,600	***$ 13,016,400***	***$ 53,109,200***	***$ 17,223,500***
						$70,332,700	

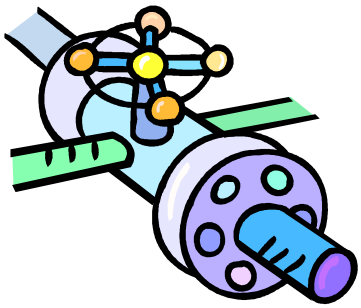
VALLECITOS WATER DISTRICT

Comprehensive Project List

Project Total	Spending by Fiscal Year 2012-13	2013-14	2014-15	2015-16	2016-17	2017 to 2030	Page Number
$ 28,150,000	$ 310,000	$ 900,000	$ 900,000	$ 2,900,000	$ 3,700,000	$ 19,300,000	34
15,400,000	4,300,000	2,100,000	50,000	100,000	50,000	2,900,000	35
4,434,000	-	-	-	40,500	-	3,893,500	36
3,860,000	-	-	-	160,000	150,000	3,450,000	37
3,302,100	486,100						38
2,160,000	1,850,000						39
1,472,000	424,000	559,000					40
1,345,000	970,000	130,000					41
875,000	116,700	116,700					42
835,000	-	-	-	834,000			43
790,000	-	-	-	340,000		(650,000)	44
675,000	10,000	90,000	75,000	500,000			45
670,000	600,000						46
591,000	450,000	42,800					47
460,000	50,000	50,000	100,000	100,000	100,000		48
400,000	-	175,000	220,000				49
350,000	-	-	-	349,700			50
350,000	350,000						51
225,000	120,000						52
200,000	50,000	50,000	52,000				53
183,800	92,000	91,800					54
180,000	60,000	61,400					55
175,000	175,000						56
157,200	50,000	-					57
150,000	40,000						58
96,000	-	96,000					59
64,000	63,500						60
63,000	-	-	25,000				61
50,000	42,000						62
39,000	32,500						63
35,500	10,500						64
27,000	7,000						65
25,000	25,000						66
18,000	4,500	-	-	-	-	-	67
$ 67,807,600	***$ 10,688,800***	***$ 4,462,700***	***$ 1,422,000***	***$ 5,324,200***	***$ 4,000,000***	***$ 28,893,500***	
6,000,000	$ -	$ -	$ 50,000	$ 200,000	$ 490,000	$ 5,260,000	68
3,200,000	-	180,000	3,020,000				69
2,024,000	1,518,000	506,000					70
1,510,000	150,000	700,000	660,000				71
1,200,000	-	-	70,000	350,000	780,000		72
700,000	-	-	700,000				73
170,000	170,000						74
150,000	150,000						75
110,000	110,000						76
70,000	70,000						77
50,000	11,000	12,000	13,000	14,000			77
45,000	-	-	45,000				78
45,000	14,000	15,000	16,000				80
40,500	12,500	13,500	14,500				81
40,000	40,000						82
36,000	18,000	18,000					83
28,000	14,000	14,000					84
22,000	22,000						85
20,000	20,000						86
15,000		15,000					87
14,500	14,500						88
11,500	11,500						89
12,000	12,000						90
11,000	11,000						91
9,000	9,000						92
8,000	8,000	-	-	-	-	-	93
$ 15,541,500	***$ 2,385,500***	***$ 1,473,500***	***$ 4,588,500***	***$ 564,000***	***$ 1,270,000***	***$ 5,260,000***	
$ 83,349,100	***$ 13,074,300***	***$ 5,936,200***	***$ 6,010,500***	***$ 5,888,200***	***$ 5,270,000***	***$ 34,153,500***	

Capital Improvement Program
Encina Parallel Land 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 12/13	FY 13/14	FY 14/15	FY 15/16	Thereafter	Total
Planning	$140,000	$160,000					$300,000
Design		$150,000	$900,000	$900,000	$900,000		$2,850,000
Construction					$2,000,000	$23,000,000	$25,000,000
Total	$140,000	$310,000	$900,000	$900,000	$2,900,000	$23,000,000	**$28,150,000**

FY 12/13 Budget Request - $0

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-2015		

Capital Improvement Program
San Marcos Interceptor

Description: The project consists of three separate phases 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.

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 12/13	FY 13/14	FY 14/15	FY 15/16	Thereafter	Total
Planning	$500,000						$500,000
Design	$1,800,000	$300,000	$100,000	$50,000	$100,000	$50,000	$2,400,000
Construction	$3,600,000	$4,000,000	$2,000,000			$2,900,000	$12,500,000
Total	$5,900,000	$4,300,000	$2,100,000	$50,000	$100,000	$2,950,000	**$15,400,000**

FY 12/13 Budget Request - $0

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-1996	July-1996	June-2007	July-1998	October-2015	April-2012		

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
Work Order: 71084 (204280)

Funding Source: 35% Fund 110 – Water Replacement
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 12/13	FY 13/14	FY 14/15	FY 15/16	Thereafter	Total
Planning	$123,000						$123,000
Design	$377,000				$40,500		$417,500
Construction						$3,893,500	$3,893,500
Total	$500,000	$0	$0	$0	$40,500	$3,893,500	**$4,434,000**

FY 12/13 Budget Request - $0

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	July-2017		

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 12/13	FY 13/14	FY 14/15	FY 15/16	Thereafter	Total
Planning	$10,000						$10,000
Design	$90,000			$160,000	$150,000		$400,000
Construction						$3,450,000	$3,450,000
Total	$100,000	$0	$0	$160,000	$150,000	$3,450,000	**$3,860,000**

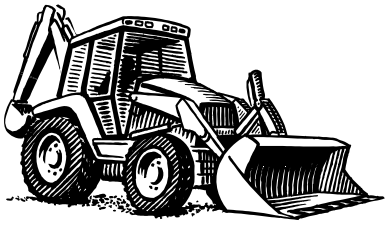
FY 12/13 Budget Request - $0

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	July-2017	

Capital Improvement Program
Encina Wastewater Authority – Capital Projects FY 11/12 & Prior

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: Tom Scaglione **Department:** General Manager

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

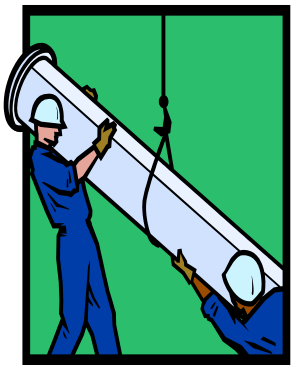
Project Phase	Previous FY Expenses	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning							$0
Design							$0
Construction	$2,816,000	$486,100					$3,302,100
Total	$2,816,000	$486,100	$0	$0	$0	$0	**$3,302,100**

FY 12/13 Budget Request - $0

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 2,980 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 15" PVC sewer main. This will eliminate an existing surcharging condition and also accommodate planned development.

Project Manager: James Gumpel **Department:** Engineering

Project: 2010100002 **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 2008 Master Plan has identified this upgrade as Project SP-3.

Operations Impact: Annual and routine sewer pipeline maintenance

Project Spending Plan

Project Phase	Previous FY Expenses	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning	$5,000						$5,000
Design	$285,000						$285,000
Construction	$20,000	$1,850,000					$1,870,000
Total	$310,000	$1,850,000	$0	$0	$0	$0	**$2,160,000**

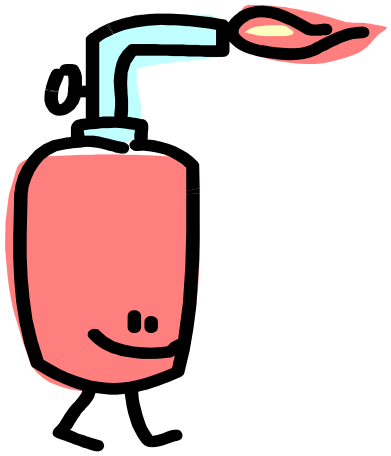
Additional FY 12/13 Budget Request - $200,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2009	January-2010	March-2010	April-2010	June-2012	June-2012	March-2013	March-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 12/13 – Richland 1
FY 13/14 – Meadowlark Tank No. 1 & Meadowlark Tank #2 exterior

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 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning							$0
Design	$9,000	$9,000	$9,000				$27,000
Construction	$480,000	$415,000	$550,000				$1,445,000
Total	$489,000	$424,000	$559,000	$0	$0	$0	**$1,472,000**

Additional FY 12/13 Budget Request - $703,000

Estimated Project Timeline

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

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. The 2008 Master Plan has identified this upgrade as project SP-5

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 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning	$40,000						$40,000
Design	$205,000	$50,000					$255,000
Construction		$920,000	$130,000				$1,050,000
Total	$245,000	$970,000	$130,000	$0	$0	$0	**$1,345,000**

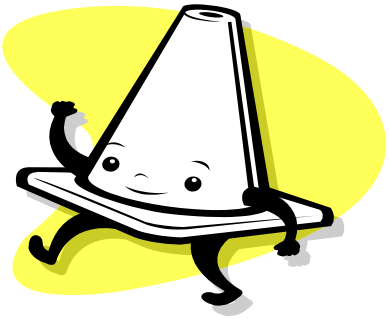
Additional FY 12/13 Budget Request - $185,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2008	July-2008	January-2010	February-2010	October-2012	November-2012	November-2013	December-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: Ken Gerdes **Department:** Engineering

Project: 71077
Work Order: 71077 (204030)

Funding Source: 50% Fund 120 – Water Capacity
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 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning							$0
Design							$0
Construction	$641,600	$116,700	$116,700				$875,000
Total	$641,600	$116,700	$116,700	$0	$0	$0	**$875,000**

FY 12/13 Budget Request - $0

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2003					July-2009	June-2014	June-2014

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 12/13	FY 13/14	FY 13/14	FY 14/15	FY 15/16	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 12/13 Budget Request - $0

Estimated Project Timeline

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

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 12/13	FY 13/14	FY 14/15	FY 15/16	Thereafter	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	$340,000	$0	**$790,000**

FY 12/13 Budget Request - $0

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2001	August-2001	June-2012	July-2014	February-2015	July-2015	June-2016	June-2016

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 210 – Sewre 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. The 2008 Master Plan has identified this replacement as project SP-10.

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 12/13	FY 13/14	FY 14/15	FY 15/16	FY 15/16	Total
Planning		$10,000	$40,000				$50,000
Design			$50,000	$25,000			$75,000
Construction				$50,000	$500,000		$550,000
Total	$0	$10,000	$90,000	$75,000	$500,000	$0	**$675,000**

FY 12/13 Budget Request - $0

Estimated Project Timeline

Project Approval	Planning		Design		Implementation		Completion
	Begin	End	Begin	End	Begin	End	
July-2011	April-2012	December-2012	January-2013	January-2014	February-2014	21/1/14	January-2015

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 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning							$0
Design	$20,000						$20,000
Construction	$50,000	$600,000					$650,000
Total	$70,000	$600,000	$0	$0	$0	$0	**$670,000**

Additional FY12/13 Budget Request - $95,000

Estimated Project Timeline

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

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. Fiscal year 2012/13 purchases are for security devices and a 500 kW generator.

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 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning							$0
Design							$0
Construction	$98,200	$450,000	$42,800				$591,000
Total	$98,200	$450,000	$42,800	$0	$0	$0	**$591,000**

FY 12/13 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
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 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	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**

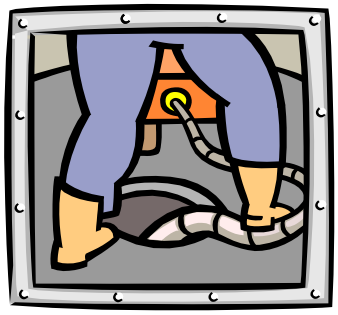
FY 12/13 Budget Request - $0

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2009	July-2009	June-2016	-	-	-	-	June-2017

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 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning	$5,000						$5,000
Design			$150,000				$150,000
Construction			$25,000	$220,000			$245,000
Total	$5,000	$0	$175,000	$220,000	$0	$0	**$400,000**

FY 12/13 Budget Request - $0

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: Ken Gerdes **Department:** Engineering

Project: 71159
Work Order: 71159 (207801)

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

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 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning							$0
Design	$300				$349,700		$350,000
Construction							$0
Total	$300	$0	$0	$0	$349,700	$0	**$350,000**

FY 12/13 Budget Request - $0

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2006	July-2006						June-2016

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: Corey Harrell **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 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning							$0
Design							$0
Construction		$350,000					$350,000
Total	$0	$350,000	$0	$0	$0	$0	**$350,000**

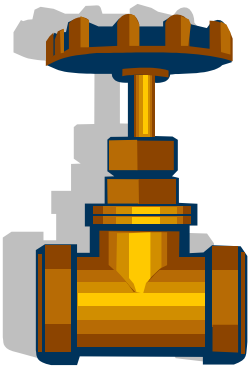
Additional FY 12/13 Budget Request - $350,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2008							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 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning							$0
Design							$0
Construction	$105,000	$120,000					$225,000
Total	$105,000	$120,000	$0	$0	$0	$0	**$225,000**

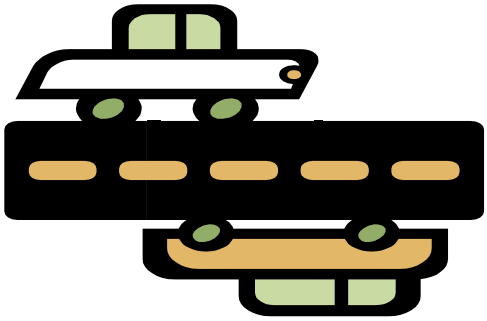
Additional FY 12/13 Budget Request - $69,000

Estimated Project Timeline

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

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: Kerek Howe **Department:** Engineering

Project: 71177
Work Order: 71177

Funding Source: 100% Fund 210 – Sewer Replacement

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 12/13	FY 13/14	FY 13/14	FY 14/15	FY 15/16	Total
Planning							$0
Design							$0
Construction	$48,000	$50,000	$50,000	$52,000			$200,000
Total	$48,000	$50,000	$50,000	$52,000	$0	$0	**$200,000**

FY 12/13 Budget Reduction ($40,000)

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
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 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning							$0
Design							$0
Construction		$92,000	$91,800				$183,800
Total	$0	$92,000	$91,800	$0	$0	$0	**$183,800**

FY 12/13 Budget Request - $0

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2010							June-2014

Capital Improvement Program
Flow Monitoring Stations

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

Project Manager: Corey Harrell **Department:** Collections

Project: 71122
Work Order: 71122
Funding Source: 100% Fund 220 – Sewer Capacity

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 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning							$0
Design							$0
Construction	$58,600	$60,000	$61,400				$180,000
Total	$58,600	$60,000	$61,400	$0	$0	$0	**$180,000**

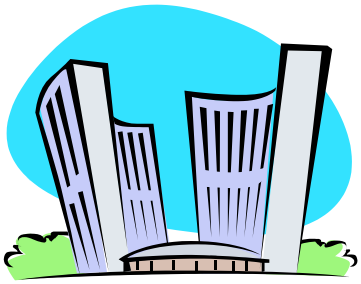
FY 12/13 Budget Request - $0

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2004							June-2015

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:** See below

Funding Sources:

Project:	Amount:	Source:	
La Rosa Storm Drain	$ 20,000	Water/Sewer	70% / 30%
Grand Ave Drainage CIP #317	40,000	Water	100%
Discovery St Improvements	100,000	Water/Sewer	90% / 10%
Relocations/Adjustments	15,000	Water/Sewer	75% / 25%
Total	$175,000		

Comments: These projects 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 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning							$0
Design							$0
Construction		$175,000					$175,000
Total	$0	$175,000	$0	$0	$0	$0	**$175,000**

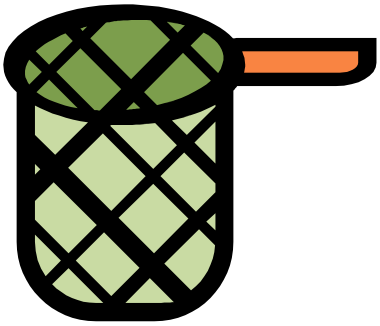
FY 12/13 Budget Request - $175,000

Estimated Project Timeline

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

Capital Improvement Program
Secondary Skimmer Controls (6)

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 250 – Reclaimed

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 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning							$0
Design							$0
Construction	$107,200	$50,000					$157,200
Total	$107,200	$50,000	$0	$0	$0	$0	**$157,200**

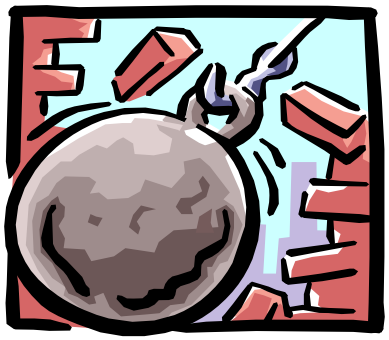
FY 12/13 Budget Request - $0

Estimated Project Timeline

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

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

Description: Demolition and removal of the decommissioned RBC's plus restoration of the area.



Project Manager: Dawn McDougle **Department:** Meadowlark Reclamation Facility

Project: 80007 **Funding Source:** 100% Fund 220 – Sewer Capacity
Work Order: 80007

Comments: During previous fiscal years the RBC's were decommissioned and taken out of service. Fiscal year 2012/13 budget will restore the area where they were to provide needed access around other treatment plant processes.

Operations Impact: None

Project Spending Plan

Project Phase	Previous FY Expenses	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning							$0
Design							$0
Construction	$110,000	$40,000					$150,000
Total	$110,000	$40,000	$0	$0	$0	$0	**$150,000**

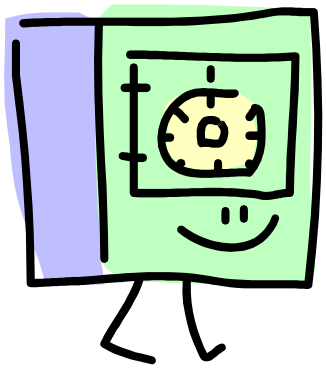
Additional FY 12/13 Budget Request - $20,000

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
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 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning							$0
Design		$46,000					$46,000
Construction			$50,000				$50,000
Total	$0	$46,000	$50,000	$0	$0	$0	**$96,000**

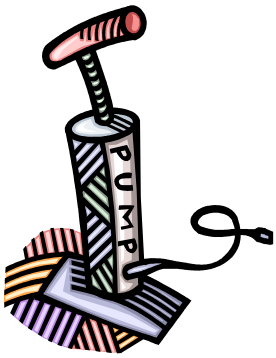
FY 12/13 Budget Request - $0

Estimated Project Timeline

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

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 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning							$0
Design							$0
Construction	$500	$63,500					$64,000
Total	$500	$63,500	$0	$0	$0	$0	**$64,000**

FY 12/13 Budget Request - $0

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2012							June-2013

Capital Improvement Program
Pavement Maintenance for Facilites

Description: District staff is currently anticipating repairing cracks and sealing the VWD yard, Palomar Tank, Coggan Pump Station and Richland Tank access road.

Project Manager: Kerek Howe **Department:** Construction

Project: 71088
Work Order: 71088

Funding Source: 100% Fund 110 – Water Replacement

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 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning							$0
Design							$0
Construction	$38,000			$25,000			$63,000
Total	$38,000	$0	$0	$25,000	$0	$0	**$63,000**

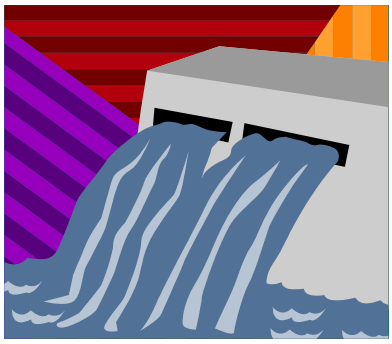
FY 12/13 Budget Request - $0

Estimated Project Timeline

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

Capital Improvement Program
South Lake Dam Sluice Gate

Description: This project will be performed prior to the City of San Marcos' South Lake Park Project.



Project Manager: Ken Gerdes **Department:** Engineering

Project: 71081
Work Order: 71081
Funding Source: 100% Fund 110 – Water Replacement

Comments: This project will begin prior to the South Lake Park improvements.

Operations Impact: Annual maintenance

Project Spending Plan

Project Phase	Previous FY Expenses	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning							$0
Design							$0
Construction	$8,000	$42,000					$50,000
Total	$8,000	$42,000	$0	$0	$0	$0	**$50,000**

FY 12/13 Budget Request - $0

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2003					July-2012	June-2013	June-2013

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 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning							$0
Design							$0
Construction	$6,500	$32,500					$39,000
Total	$6,500	$32,500	$0	$0	$0	$0	**$39,000**

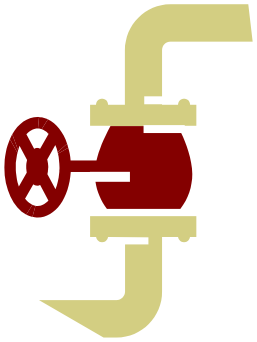
FY 12/13 Budget Request - $0

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 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning							$0
Design							$0
Construction	$25,000	$10,000					$35,000
Total	$25,000	$10,000	$0	$0	$0	$0	**$35,000**

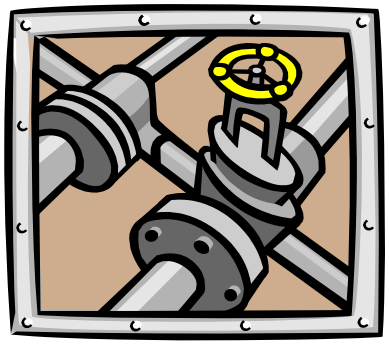
FY 12/13 Budget Request - $0

Estimated Project Timeline

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

Capital Improvement Program
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 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning							$0
Design							$0
Construction	$20,000	$7,000					$27,000
Total	$20,000	$7,000	$0	$0	$0	$0	**$27,000**

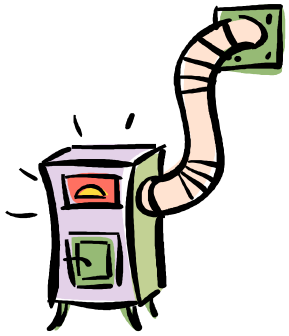
FY 12/13 Budget Request - $0

Estimated Project Timeline

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

Capital Improvement Program
HVAC Improvements

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



Project Manager: Kevin McKelvey **Department:** Warehouse/Purchasing

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 12/13	FY 13/14	FY 14/15	FY 14/15	FY 15/16	Total
Planning							$0
Design							$0
Construction		$25,000					$25,000
Total	$0	$25,000	$0	$0	$0	$0	**$25,000**

FY 12/13 Budget Reduction - ($75,000)

Estimated Project Timeline

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

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 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning							$0
Design							$0
Construction	$3,000	$17,000					$20,000
Total	$3,000	$17,000	$0	$0	$0	$0	**$20,000**

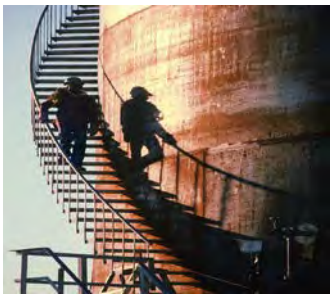
FY 12/13 Budget Request - $0

Estimated Project Timeline

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

Capital Improvement Program
Coronado Hills Tank #2

Description: Build-out demands for the 1530, 1125 and 1320 pressure zones are projected to require a storage volume of 9.63 million gallons over and above existing storage capacity. This project will add 4.73 million gallons of potable water storage to meet the projected near-term total storage deficits in the 1530 and neighboring pressure zones. This reservoir will be constructed on the same site as the existing Coronado Hills Tank.



Project Manager: James Gumpel **Department:** Engineering

Project: 2013100001 **Funding Source:** 100% Fund 120 – Water Capacity

Comments: The existing Coronado Hills Tank resides on a large, flat parcel that can accommodate additional storage reservoirs with little grading and preparation efforts. The ultimate plan is to locate a total of 3 tanks at this site, with a Coronado Hills #3 tank sized for 3.21 million gallons being constructed around 2030. The Master Plan has identified this as Project R-3.

Operations Impact: The project will add 4.73 million gallons of potable water storage to the service system.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 12/13	FY 13/14	FY 14/15	FY 15/16	Thereafter	Total
Planning				$50,000			$50,000
Design					$200,000	$490,000	$690,000
Construction						$5,260,000	$5,260,000
Total	$0	$0	$0	$50,000	$200,000	$5,750,000	**$6,000,000**

FY 12/13 Budget Request - $6,000,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2012	July-2014	December-2014	January-2015	June-2016	July-2017		

Capital Improvement Program
Desalinated Water Pump Station

Description: This project involves the construction of a 2,100 gallon-per-minute pump station, along with all corresponding electronics, within a new building along North Twin Oaks Valley Road near the existing Trussell flow control facility. This pump station will transfer desalinated water delivered to the 920 Pressure Zone to the 1028 Twin Oaks Reservoirs during low-demand periods.

Project Manager: James Gumpel **Department:** Engineering

Project: 2013100002 **Funding Source:** 100% Fund 120 – Water Capacity

Comments: The need for this pump station is contingent on whether the District will be contractually able to receive desalinated water directly from the Carlsbad Desalinated Water Facility into the 920 Pressure Zone instead of through the San Diego County Water Authority's aqueduct system after blending with imported supplies. The 2008 Master Plan has identified this as Project PS-1.

Operations Impact: Offers flexibility in transferring potable water between the 920 and 1028 pressure zones that does not currently exist. 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 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning			$80,000				$80,000
Design			$100,000	$320,000			$420,000
Construction				$2,700,000			$2,700,000
Total	$0	$0	$180,000	$3,020,000	$0	$0	**$3,200,000**

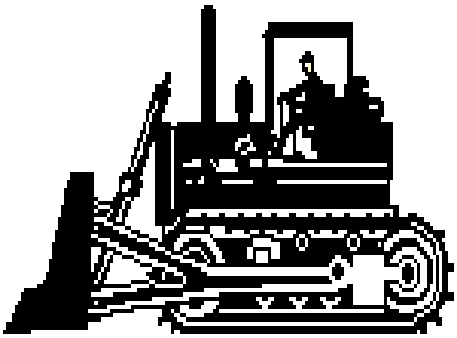
FY 12/13 Budget Request - $3,200,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2012	July-2013	December-2013	January-2014	September-2014	October-2014	June-2015	June-2015

Capital Improvement Program
Encina Wastewater Authority – Capital Projects FY 12/13

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: Tom Scaglione **Department:** General Manager

Project: 2013100003 **Funding Source:** 100% Fund 210 – Sewer Replacement

Comments: These miscellaneous Encina Wastewater Authority capital projects are budgeted each year based on the District's 20.24% ownership share.

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 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning							$0
Design							$0
Construction		$1,518,000	$506,000				$2,024,000
Total	$0	$1,518,000	$506,000	$0	$0	$0	**$2,024,000**

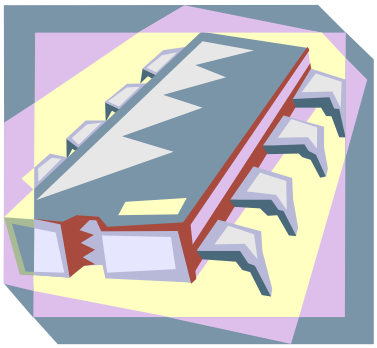
FY 12/13 Budget Request - $2,024,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2009							June-2014

Capital Improvement Program
MRF Solids Force Main Replacement

Description: The Meadowlark Reclamation Facility solids force main transports concentrated brine byproduct generated from recycled water production to the land outfall for treatment at the Encina Water Pollution Control Facility. This project involves the replacement of approximately 5,700' of existing 6" DIP force main with new 8" HDPE or welded PVC pipe.



Project Manager: James Gumpel **Department:** Meadowlark Reclamation Facility

Project: 2013100004 **Funding Source:** 100% Fund 210 –Sewer Replacement

Comments: The MRF solids force main has broken on several occasions over the last few years. It has spilled concentrated wastewater brine that has resulted in emergency clean-up activities and fines. This project will replace the existing DIP force main with a new HDPE or welded PVC pipeline that has more capacity and greater corrosion resistance.

Operations Impact: Reduced risk of sewer spilling. Annual and routine pipeline maintenance is expected with the completion of this project.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning		$50,000					$50,000
Design		$100,000	$100,000				$200,000
Construction			$600,000	$660,000			$1,260,000
Total	$0	$150,000	$700,000	$660,000	$0	$0	**$1,510,000**

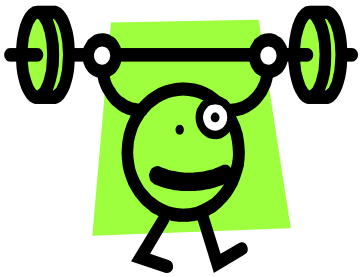
FY 12/13 Budget Request - $1,510,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2012	July-2012	December-2012	January-2013	January-2014	February-2014	November-2014	December-2014

Capital Improvement Program
Montiel Lift Station Replacement

Description: The Montiel Lift Station is a small, underground facility just north of the 78 Freeway and east of Nordahl Road within the City of San Marcos. This lift station collects and transfers wastewater flows from a 200-acre area east of Nordahl Road near the District's eastern service area boundary. This Project involves the replacement of the lift station and upsizing of its two existing 100-gpm pumps with new 200-gpm pumps.



Project Manager: James Gumpel **Department:** Engineering

Project: 2013100005 **Funding Source:** 50% Fund 210 – Sewer Replacement
50% Fund 220 – Sewer Capacity

Comments: The Montiel Lift Station was constructed in 1985 and is approaching the end of its expected life span. The existing 100-gpm pumps in the lift station are not sufficiently sized to provide for ultimate wet weather flows and will therefore be replaced by new 200-gpm pumps. The lift station will also be relocated above ground to avoid confined space entry requirements.

Operations Impact: Elimination of confined space entry issues. Daily, routine monitoring and inspections of the lift station is expected, as are regular maintenance efforts and some infrequent repair work.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning				$ 50,000			$ 50,000
Design				$ 20,000	$ 150,000		170,000
Construction					$ 200,000	$ 780,000	980,000
Total				$ 70,000	$ 350,000	$ 780,000	**$ 1,200,000**

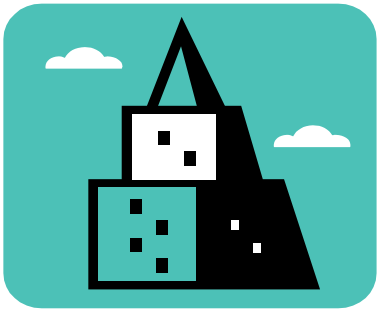
FY 12/13 Budget Request - $1,200,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July 2012	July 2014	March 2015	April 2015	February 2016	March 2016	June 2017	June 2017

Capital Improvement Program
High Point Pipeline

Description: Approximately 2,800 feet of 12" PVC potable water pipeline is proposed to connect the 1625 High Point Pressure Zone to the 1567 Wulff Pressure Zone. This project also includes the construction of a pressure reducing valve to the 1567 Wulff Pressure Zone's hydraulic grade line. The High Point development is responsible for installation of an 8" pipeline as part of its development conditions, and the District will reimburse the developer for upsizing the pipeline to 12".



Project Manager: James Gumpel **Department:** Engineering

Project: 2013100006 **Funding Source:** 100% Fund 120 – Water Capacity

Comments: This pipeline provides an auxiliary feed from the 1625 High Point Pressure Zone to the 1567 Wulff Pressure Zone. And with the completion and acceptance of the High Point Hydropneumatic Pump Station, the District will have some limited ability to transfer potable water from the 920 Pressure Zone to the higher northern pressure zones that does not currently exist. The 2008 Master Plan has identified this pipeline as Project P-43.

Operations Impact: Minimal impact is anticipated as this project does not add significant lineal footage of potable water pipeline for maintenance.

Project Spending Plan

Project Phase	Previous FY	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning							$0
Design							$0
Construction				$700,000			$700,000
Total	$0	$0	$0	$700,000	$0	$0	**$700,000**

FY 12/13 Budget Request - $700,000

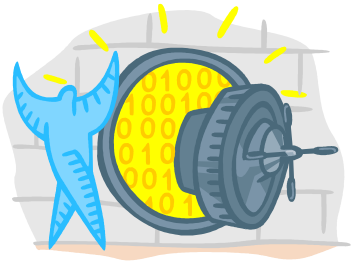
Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2012					October-2014	June-2015	June-2015

Capital Improvement Program

12" Failsafe Replacement Redwing Street

Description: The 12" outfall failsafe sewerline in Redwing Street is deep and prone to leaking. District crews have had to perform several costly repairs. The pipeline will be replaced and raised to a shallower depth; approximately 405'.



Project Manager: James Gumpel **Department:** Engineering

Project: 2013100007 **Funding Source:** 210 Sewer Replacement

Comments: The pipeline must be replaced to eliminate costly repairs by District Crews

Operations Impact: Reduction of future maintenance costs

Project Spending Plan

Project Phase	Previous FY Expenses	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning							$0
Design		$20,000					$20,000
Construction		$150,000					$150,000
Total	$0	$170,000	$0	$0	$0	$0	**$170,000**

FY 12/13 Budget Request - $170,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2012			September-2012	January-2013	March-2013	May-2013	May-2013

Capital Improvement Program
MRF Primary Clarifier Recoating

Description: Recoating of Meadowlark Reclamation Facility primary clarifier effluent channel and roughening filter inlet basin. The coating system will protect the concrete structures from deterioration

Project Manager: James Gumpel **Department:** Engineering

Project: 2013100008 **Funding Source:** 210 Sewer Replacement

Comments: The existing coating has failed and deterioration of the concrete structures has started. Removal of the old coating and application of a new coating is necessary to extend the life of the structures.

Operations Impact: Temporary bypass/shutdown of MRF to accomidate propoer coating and cure time.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning							$0
Design		$30,000					$30,000
Construction		$120,000					$120,000
Total	$0	$150,000	$0	$0	$0	$0	**$150,000**

FY 12/13 Budget Request - $150,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2012			July-2012	October-2012	November-2012	February-2013	February-2013

Capital Improvement Program
Maximo Software Upgrade

Description:
The District will upgrade the IBM Maximo asset management software to the latest version, 7.5, to keep the Maximo software current, take advantage of new features and avoid higher upgrade costs as future updates to the new version are released. Upgrading to Maximo version to 7 is a major software upgrade and will require the assistance of Maximo consultants. All ERP interfaces with Maximo will require some modifications to work with the new version.

Project Manager: Karla Fisher **Department:** Information Systems

Project: 2013100009 **Funding Source:** 50% Fund 110 – Water Replacement
50% Fund 210 – Sewer Replacement

Comments: Software upgrades are imperative to the success of an application. This Maximo upgrade will improve functionality of the application by offering many new features in the Preventive Maintenance Forecasting, Purchasing, Inventory Management and Asset Management applications. IBM has no planned release dates for the next major upgrade to version 8. They are focusing on Maximo 7.5 which is the first release by IBM since acquiring the Maximo software. The District will not be required to upgrade again for at least three to four years.

Operations Impact: Annual Support Agreements

Project Spending Plan

Project Phase	Previous FY Expenses	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning							$0
Design							$0
Implementation		$110,000					$110,000
Total	$0	$110,000	$0	$0	$0	$0	**$110,000**

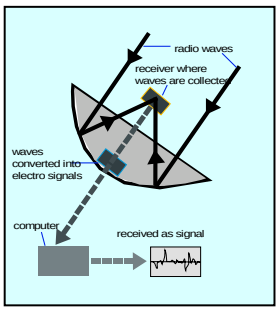
FY 12/13 Budget Request - $110,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2012							June-2013

Capital Improvement Program
Telescoping Valve Control

Description: To control telescoping valves through SCADA to maintain a return activated sludge (RAS) metered flow set point.



Project Manager: Dawn McDougle **Department:** Meadowlark Reclamation Facility

Project: 2013100010 **Funding Source:** 100% Fund 210 – Sewer Replacement

Comments: The telescoping valves' controls currently in place cannot be controlled through SCADA due to equipment malfunction. Meadowlark staff has to control them manually which does not provide proper control during high and low flows through the plant. RAS should be controlled based upon a percent of influent flow; proper automated controls would allow SCADA to modulate the telescoping valves to maintain the RAS flow set point.

Operations Impact: Improved biological efficiency.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning							$0
Design							$0
Construction		$70,000					$70,000
Total	$0	$70,000	$0	$0	$0	$0	**$70,000**

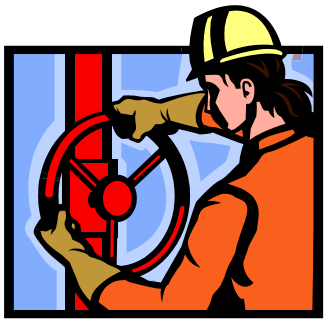
FY 12/13 Budget Request - $70,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2012							June-2013

Capital Improvement Program
Tertiary Filter Valve Actuator Controls

Description: Replace filters influent valve worm gear and motor for slower control.



Project Manager: Dawn McDougle **Department:** Meadowlark Reclamation Facility

Project: 20131000011 **Funding Source:** 100% Fund 210 – Sewer Replacement

Comments: Currently, the actuator that modulates the filters' influent valves open or closed is very quick. This quickness puts a lot of unnecessary wear on the actuator components, reducing the life span of these actuators. Converting to a slower speed rate will slow down the valve modulation resulting in a much longer life span. So far, one of the influent valve controls had to be replaced because of worn out parts. This budget amount would provide replacement for the other five filters' influent valves. The other budget years will allow continuation of the other tertiary valve actuator component replacement.

Operations Impact: Normal maintenance

Project Spending Plan

Project Phase	Previous FY Expenses	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning							$0
Design							$0
Construction		$11,000	$12,000	$13,000	$14,000		$50,000
Total	$0	$11,000	$12,000	$13,000	$14,000	$0	**$50,000**

FY 12/13 Budget Request - $50,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2012							June-2016

Capital Improvement Program
Headworks Building Hoist System

Description: For removing the heavy equipment from the Headworks building for maintenance.

Project Manager: Dawn McDougle **Department:** Meadowlark Reclamation Facility

Project: 2013100012 **Funding Source:** 100% Fund 210 – Sewer Replacement

Comments: Currently there is an "A" frame hoist in the headworks building that is utilized for removing the heavy equipment. This system is temporary (to be taken down and set up as needed) and does not provide an efficient means of removing the equipment. Safety is a factor when the current system has to be taken down and set up as needed; not having the ability to determine if the system's integrity is maintained. Having a permanent system that can be maintained and tested will assure integrity and safety is maintained. A permanent system has been designed by Kennedy/Jenks Engineers leaving the installation to be supervised and performed by VWD staff.

Operations Impact: Efficient maintenance operations and safe work environment.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning							$0
Design							$0
Construction				$45,000			$45,000
Total	$0	$0	$0	$45,000	$0	$0	**$45,000**

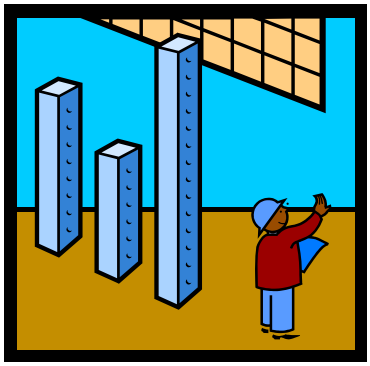
FY 12/13 Budget Request - $45,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2012							June-2013

Capital Improvement Program
Refurbish 3-Stage Vertical Turbine Effluent Pump

Description: Effluent pumps used to pump effluent from Meadowlark to reclaimed distribution or ocean outfall.



Project Manager: Dawn McDougle **Department:** Meadowlark Reclamation Facility

Project: 2013100013 **Funding Source:** 100% Fund 210 – Sewer Replacement

Comments: These pumps have been in operation for approximately five years. Pump #2 is showing signs of wear; this pump has experienced two mechanical seal failures in the last seven months. This failure is caused by excessive shaft run out which is an indication of bushing wear. Meadowlark has three effluent pumps. It is recommended to refurbish all three pumps, one each year over the next three years. Estimate includes VWD labor, crane rental and applicable taxes.

Operations Impact: Normal maintenance

Project Spending Plan

Project Phase	Previous FY Expenses	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning							$0
Design							$0
Construction		$14,000	$15,000	$16,000			$45,000
Total	$0	$14,000	$15,000	$16,000	$0	$0	**$45,000**

FY 12/13 Budget Request - $45,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2012							June-2014

Capital Improvement Program
Secondary Clarifier Flight Drive with Variable Frequency Drive

Description: To have the ability to increase the speed of the secondary clarifier flights to remove biological material faster from the clarifier.

Project Manager: Dawn McDougle **Department:** Meadowlark Reclamation Facility

Project: 2013100014 **Funding Source:** 100% Fund 210 – Sewer Replacement

Comments: Currently there is only one slow speed on the secondary flights causing the biological material (Return Activated Sludge – R.A.S.) to have a longer detention in the secondary clarifier tank resulting in die off of the biological material. Having the ability to increase the speed of the flights with the drive and VFD would allow better optimization of Meadowlark's biological process. Three of the six secondary clarifiers' flights have been modified with new drives and VFDs. There are three secondary clarifiers' left to modify with new drives and VFDs.

Operations Impact: Normal maintenance

Project Spending Plan

Project Phase	Previous FY Expenses	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning							$0
Design							$0
Construction		$12,500	$13,500	$14,500			$40,500
Total	$0	$12,500	$13,500	$14,500	$0	$0	**$40,500**

FY 12/13 Budget Request - $40,500

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2012							June-2015

Capital Improvement Program
Effluent Chlorine Analyzer at Twin Oaks Reservoir - Replacement

Description: To monitor the water quality leaving the Twin Oaks Reservoirs and control the injection of supplemental chlorine.

Project Manager: Ed Pedrazzi **Department:** Water Systems Operations

Project: 2013100015 **Funding Source:** 100% Fund 110 – Water Replacement

Comments: The water quality leaving the Twin Oaks Reservoirs is critical to the entire distribution system. Over 90% of the District's customers receive water from this location. The effluent analyzer has been online for more than ten years. The new analyzer will allow the operations department to inject chlorine with more accuracy and allow a stronger disinfection residual to be maintained in the distribution system. The analyzer will also allow the department to reduce any free ammonia and nitrite coming from the SDCWA aqueduct, reducing nitrification in our distribution system.

Operations Impact: Routine maintenance.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning							$0
Design							$0
Construction		$40,000					$40,000
Total	$0	$40,000	$0	$0	$0	$0	**$40,000**

FY 12/13 Budget Request - $40,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2012							June-2013

Capital Improvement Program
Supplemental Chlorine Injection Systems at Aqueduct Connections

Description: These units are necessary to provide supplemental chlorine to the water entering our distribution system from the San Diego County Water Authority (SDCWA).

Project Manager: Ed Pedrazzi **Department:** Water Systems Operations

Project: 2013100016 **Funding Source:** 100% Fund 120 – Water Capacity

Comments: Installing chlorine injection systems at our aqueduct connections will provide the department with the ability to add supplemental chlorine at the aqueduct connection points. The SDCWA has been experiencing water quality issues during the summer months due to long transmission times from the R. A. Skinner Treatment Plant in Riverside. Using the chlorine injection systems will allow the department to treat the water coming into the distribution system at the connections, before it gets into the water distribution pipelines and storage reservoirs. This will reduce any free ammonia and nitrite coming from the aqueduct system, reducing the levels of nitrification in our distribution system and reducing the amount of treatment required to our storage reservoirs. The chlorination systems can also be used by the department during emergencies and add chlorine for emergency disinfection as needed.

Operations Impact: Routine maintenance.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning							$0
Design							$0
Construction		$18,000	$18,000				$36,000
Total	$0	$18,000	$18,000	$0	$0	$0	**$36,000**

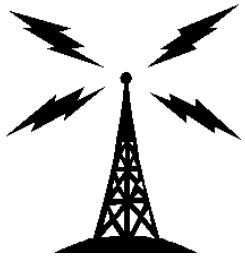
FY 12/13 Budget Request - $36,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2012							June-2014

Capital Improvement Program
SCADA Radio Antenna Masts - Replacement

Description: To raise the SCADA radio antennas above objects creating interference with their signal.



Project Manager: Ed Pedrazzi **Department:** Water Systems Operations

Project: 2013100017 **Funding Source:** 100% Fund 110 – Water Replacement

Comments: There are several locations within the District's SCADA radio network where trees, buildings and other changes to the surrounding environment are degrading the communication signal. The standard antenna mast that has been installed is either a 15 or 20 foot square steel pole. The replacement antenna masts are square aluminum poles that are 30 feet tall and normally used for street lights. The poles will be high enough to get over most obstacles and should not impact the aesthetics of the surrounding area.

Operations Impact: Routine maintenance.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning							$0
Design							$0
Construction		$14,000	$14,000				$28,000
Total	$0	$14,000	$14,000	$0	$0	$0	**$28,000**

FY 12/13 Budget Request - $28,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2012							June-2014

Capital Improvement Program
Removal of Control Panel 1

Description: To remove all alarm and radio signals from CP-1 and transfer into CP-10 (SCADA).

Project Manager: Dawn McDougle **Department:** Meadowlark Reclamation Facility

Project: 2013100018 **Funding Source:** 100% Fund 210 – Sewer Replacement

Comments: There are some old alarms (still active) that go through CP-1 and then to Knight Security. This project will convert all alarms to SCADA so all alarms are identified and stored in SCADA.

Operations Impact: Normal maintenance

Project Spending Plan

Project Phase	Previous FY Expenses	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning							$0
Design							$0
Construction		$22,000					$22,000
Total	$0	$22,000	$0	$0	$0	$0	**$22,000**

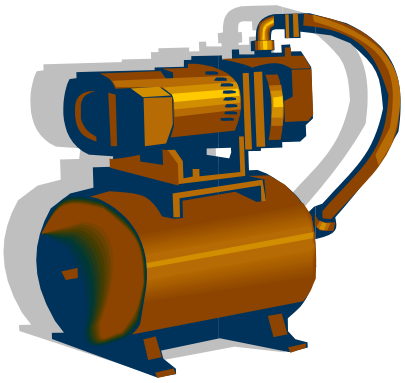
FY 12/13 Budget Request - $22,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2012							June-2013

Capital Improvement Program
Modify and Upgrade Central Plant Controls

Description: Install new Central Plant Controls and upgrade control unit.



Project Manager: Kevin McKelvey

Department: Buildings & Grounds

Project: 2013100019

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

Comments: Need to update and repair old system.

Operations Impact: None

Project Spending Plan

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

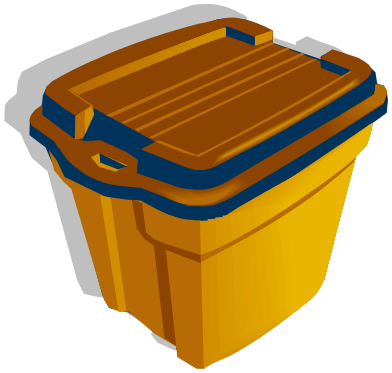
FY 12/13 Budget Request - $20,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2012							June-2013

Capital Improvement Program
Conversion of Microscreen Building to Storage/Maintenance Building

Description: To utilize building for equipment storage and equipment maintenance.



Project Manager: Dawn McDougle **Department:** Meadowlark Reclamation Facility

Project: 2013100020 **Funding Source:** 100% Fund 210 – Sewer Replacement

Comments: District staff has removed the metal components from the inside of the building, but there is a concrete structure that needs to be removed. This building would give MRF staff the needed space to properly store MRF's spare equipment. This building can be utilized for maintenance activities and to store MRF's utility cart and larger maintenance equipment such as air compressor, portable pumps to name a few.

Operations Impact: Better storage for improved efficiency.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning							$0
Design							$0
Construction			$15,000				$15,000
Total	$0	$0	$15,000	$0	$0	$0	**$15,000**

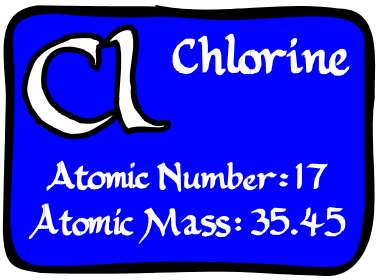
FY 12/13 Budget Request - $15,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2012							June-2014

Capital Improvement Program
Failsafe (Ocean Outfall) De-chlorination System

Description: To de-chlorinate the reclaimed effluent through the failsafe that blends with Encina's ocean discharge.



Project Manager: Dawn McDougle **Department:** Meadowlark Reclamation Facility

Project: 2013100021 **Funding Source:** 100% Fund 210 – Sewer Replacement

Comments: Encina's ocean discharge chlorine residual limit is very low, so when Meadowlark staff splits reclaimed flow between distribution and failsafe there is the potential to cause Encina's chlorine residual to spike above their limit. The reclaimed effluent chlorine residual to distribution system is maintained at 9 mg/L but this level is too high for Encina's discharge. Currently, Meadowlark staff has connected another de-chlorination injection point on the failsafe piping adding more chemical to try and de-chlorinate lower than the 9 mg/L but this injection point is hard to control, either adding too much or not enough chemical. Meadowlark staff needs to install another de-chlorination control system (chlorine analyzer, pump, etc.) on the failsafe piping so the chlorine residual through the failsafe can be controlled more efficiently; maintaining a constant lower chlorine residual to eliminate Encina from exceeding their ocean outfall limit. This system would also be programmed into SCADA so the chlorine through the failsafe piping can be monitored and trended.

Operations Impact: Improved Efficiency

Project Spending Plan

Project Phase	Previous FY Expenses	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning							$0
Design							$0
Construction		$14,500					$14,500
Total	$0	$14,500	$0	$0	$0	$0	**$14,500**

FY 12/13 Budget Request - $14,500

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2012							June-2013

Capital Improvement Program
Potable Water Station Storage Tank

Description: Larger potable water storage tank.

Project Manager: Dawn McDougle **Department:** Meadowlark Reclamation Facility

Project: 2013100022 **Funding Source:** 100% Fund 210 – Sewer Replacement

Comments: Currently Meadowlark has a 500 gallon potable water storage tank causing the system's equipment to cycle more. Having a larger potable water storage tank (2,500 gallons) will reduce the cycling (on/off) of the system's equipment which in turn will increase the life of the equipment.

Operations Impact: Increased equipment longevity.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning							$0
Design							$0
Construction		$11,500					$11,500
Total	$0	$11,500	$0	$0	$0	$0	**$11,500**

FY 12/13 Budget Request - $11,500

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2012							June-2013

Capital Improvement Program
SCADA Monitoring for Buckshot Pressure Reducing Station

Description: To transmit Buckshot Pressure Reducing Station information into Water Operations Central for SCADA monitoring.

Project Manager: Ed Pedrazzi **Department:** Water Systems Operations

Project: 2013100023 **Funding Source:** 100% Fund 110 – Water Replacement

Comments: Buckshot Pressure Reducing Station is the new pressure station that was installed to take the place of North Tank. We do not have a SCADA system at this site due to lack of power and concerns of vandalism damaging the equipment. The department has prepared a design that will place all of the equipment in a water resistant enclosure, underground in the valve vault, securing it from vandalism. The design includes a hydroelectric power generator that uses the flow of water through the station to generate and store power into batteries. This will provide sufficient power to operate the necessary SCADA equipment.

Operations Impact: Routine maintenance.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning							$0
Design							$0
Construction		$12,000					$12,000
Total	$0	$12,000	$0	$0	$0	$0	**$12,000**

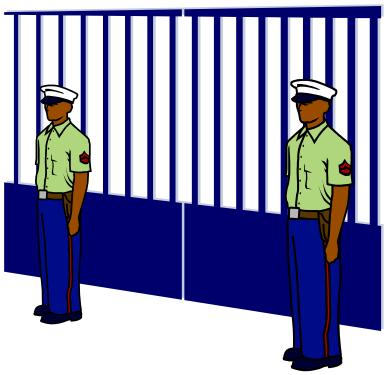
FY 12/13 Budget Request - $12,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2012							June-2013

Capital Improvement Program
Modify/Upgrade Motors and Hardware for Middle Gate

Description: Motors and computer boards are out dated and difficult to procure parts to make proper repairs.



Project Manager: Kevin McKelvey **Department:** Buildings & Grounds

Project: 2013100024 **Funding Source:** 60% Fund 110 – Water Replacement
40% Fund 210 – Sewer Replacement

Comments: Need to update and repair old system.

Operations Impact: None

Project Spending Plan

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

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

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2012							June-2013

Capital Improvement Program
Via Vera Cruz Tank Seismic Sensor System

Description: To retrofit Via Vera Cruz Tank with a Seismic Sensor System.

Project Manager: Ed Pedrazzi **Department:** Water Systems Operations

Project: 2013100025 **Funding Source:** 100% Fund 120 – Water Capacity

Comments: The District has adopted seismic activated valves as part of its specification for new tank installations. Via Vera Cruz Tank is a 7 million gallon reservoir and represents critical water storage for our downtown areas in the 920 and 855 pressure zones. The seismic sensor system would close the existing altitude control valve in the case of a major seismic event, maintaining our water in storage until the Operations department is able to assess the extent of damage to critical mains and the distribution system. This will allow for any necessary repairs to be made without losing the water in storage. This storage will be critical if the District becomes isolated from the SDCWA aqueduct system and cannot bring in potable water to maintain the water storage levels. This is part of a seven year plan to bring our existing steel reservoirs into compliance with the new standards.

Operations Impact: Routine maintenance.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning							$0
Design							$0
Construction		$9,000					$9,000
Total	$0	$9,000	$0	$0	$0	$0	**$9,000**

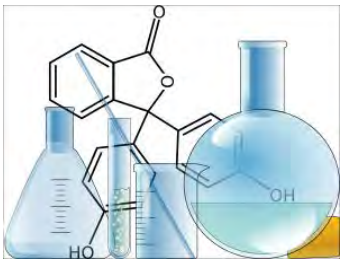
FY 12/13 Budget Request - $9,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2012							June-2013

Capital Improvement Program
ELAP Certification for the Water Operations Laboratory

Description: To provide the Water Systems Operations department with state laboratory certification for bacteriological sampling.



Project Manager: Ed Pedrazzi **Department:** Water Systems Operations

Project: 2013100026 **Funding Source:** 100% Fund 120 – Water Capacity

Comments: The Water Systems Operations department has been utilizing the Encina Wastewater Authority's state certified laboratory for its bacteriological and general physical water testing requirements. The EWA laboratory provides testing of water samples that meet regulations set by the USEPA and the California Department of Public Health. A cost analysis performed by staff demonstrated that the District will save approximately $11,000 dollars per year by utilizing its own laboratory for bacteriological testing. The department will also be able to perform general physical testing, adding an additional cost savings of over $9,000 per year. Overtime costs will also be reduced because operators will not be required to deliver samples on weekends to the Encina Wastewater Authority or CH2M Hill laboratory for emergency repairs. The estimated annual savings to the District is approximately $21,000 dollars, not including the savings from reduced overtime.

Operations Impact: Annual certification fee.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	Total
Planning							$0
Design							$0
Construction		$8,000					$8,000
Total	$0	$8,000	$0	$0	$0	$0	**$8,000**

FY 12/13 Budget Request - $8,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2012							June-2013

VALLECITOS WATER DISTRICT

2012-13 CAPITAL BUDGET - VEHICLES & EQUIPMENT SCHEDULE

Existing Vehicle #	Description	Project #	New or Replacement	*Funding Source:* Water	Sewer	Total Cost
VEHICLES/MOBILE EQUIPMENT						
Meters:						
167	Ford F150 pickup truck 4x2 SS R/C	2013100027	Replacement	$ 25,000	$ -	$ 25,000
Construction:						
126	420F Catepillar Backhoe	2013100028	Replacement	48,600	32,400	81,000
175	Gator HPX 4x4 utility vehilce	2013100029	Replacement	4,380	2,920	7,300
Collections:						
153	Vactor Model 2110 plus jet rodder truck	2013100030	Replacement		430,500	430,500
204	Ford F150 XL S/C truck (duty truck)	2013100031	Replacement		33,500	33,500
	Second SSO Spill response trailer	2013100032	New		21,500	21,500
TOTAL VEHICLES						*$ 598,800*

Requesting Dept.	Description	Project #	Replacement or New	*Funding Source:* Water	Sewer	Total Cost
FACILITIES AND EQUIPMENT						
Construction:						
	2" Rock screen sifter box	2013100033	New	12,300	8,200	20,500
	Pacific Tec PV100 Power Vac	2013100034	Replacement	9,300	6,200	15,500
Water Operations:						
	SCADA computers and software replacement	2013100035	Replacement	15,000		15,000
Information Technology:						
	O&M SCADA software upgrades	2013100036	Replacement	26,400	53,600	80,000
	Logging software (20 users)	2013100037	New	12,000	8,000	20,000
	Computer network switch upgrades (5)	2013100038	Replacement	7,800	5,200	13,000
	Training Laptops	2013100039	Replacement	6,000	4,000	10,000
Meadowlark Treatment Plant:						
	pH monitoring probe and controller	2013100040	New		6,500	6,500
TOTAL FACILITIES AND EQUIPMENT						*$ 180,500*
VEHICLES & EQUIPMENT TOTAL						**$ 779,300**

DEBT SERVICE BUDGET FOR THE YEAR ENDING JUNE 30, 2013

	Water		Wastewater		
	Replacement	Capacity	Replacement	Capacity	Total
2005 Cetificates of Participation - Converted to Fixed Rate in 2007					
Outstanding principal as of July 1, 2012[(1)]	$ -	$ 29,028,800	$ -	$ 27,946,200	$ 56,975,000
June 26, 2013 Principal Transfer to Trustee	-	(797,400)	-	(767,600)	(1,565,000)
Outstanding principal as of July 1, 2013	$ -	$ 28,231,400	$ -	$ 27,178,600	$ 55,410,000
2008 Private Placement [(3)]					
Outstanding principal as of July 1, 2012	$ -	$ -	$ -	$ 6,600,000	$ 6,600,000
2012/13 Principal Payments	-	-	-	(400,000)	(400,000)
Outstanding principal as of June 30, 2013	$ -	$ -	$ -	$ 6,200,000	$ 6,200,000
2012 Debt [(4)]					
Proceeds to fund San Marcos Interceptor	$ -	$ -	$ -	$ 5,920,000	$ 5,920,000
Proceeds to fund Linda Vista Sewer East	-	-	-	1,040,000	1,040,000
Cost of issuance	-	-	-	140,000	140,000
Outstanding principal as of June 30, 2012	$ -	$ -	$ -	$ 7,100,000	$ 7,100,000
2012/13 Debt Service Budget					
2005 COP principal	$ -	$ 797,400	$ -	$ 767,600	$ 1,565,000
2005 COP interest	-	1,450,600	-	1,396,400	2,847,000
2008 Private Placement - principal	-	-	-	400,000	400,000
2008 Private Placement - interest	-	-	-	101,000	101,000
2012 Debt - principal	-	-	-	-	-
2012 Debt - interest	-	-	-	142,000	142,000
Total 2012/13 Debt Service Budget	$ -	$ 2,248,000	$ -	$ 2,807,000	$ 5,055,000

Projected Debt Service Coverage Ratio [(5)]	320%
Excluding Capital Facility Fees	219%
Excluding Capital Facility Fees and Property Tax	187%
Days of Operating Expenses in Unrestricted Cash and Investments	248

[(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.

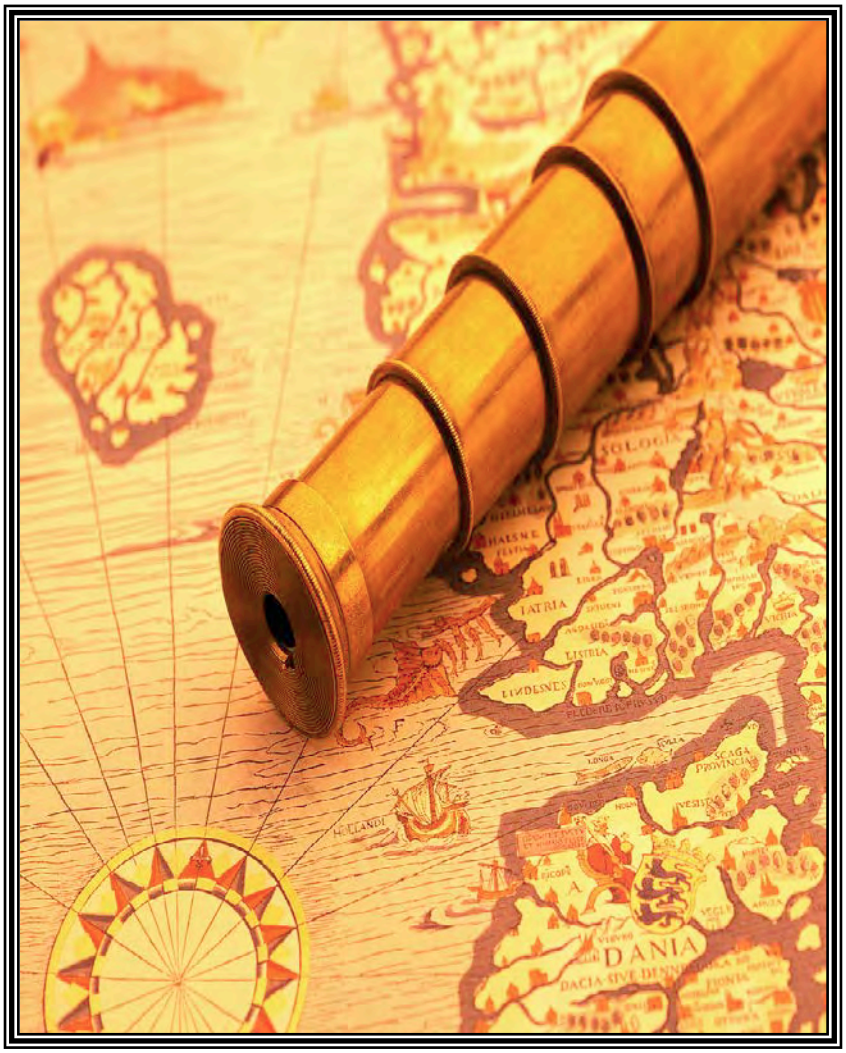
[(2)] Cash and corresponding amounts of debt were transferred from replacement funds to restricted capital facility funds to reduce deficit balances.

[(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 bank loan or bond issuance to fund the increased capacity portions of San Marcos Interceptor and Linda Vista Sewer projects. This budget assumes a 10-year term and 4% interest. If the District pursues a bond issuance, selected COP maturities will be defeased. Economic gains from defeasance are not refelceted in the budget as a measure of conservatism.

[(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".

2012-2013 LONG-RANGE PLANNING



RESERVE BUDGET FOR THE YEAR ENDING JUNE 30, 2013

	110 Water 120		210 Wastewater 220		
	Replacement	Capacity	Replacement	Capacity	Total
Projected July 1, 2012 Balance	$ 11,870,000	$ (3,460,000)	$ 16,440,000	$ (4,260,000)	$ 20,590,000
Revenues and Transfers In					
Operating Transfers	3,921,000	-	5,375,000	-	9,296,000
Interfund Loan Transfers	-	4,444,300	-	2,789,000	7,233,300
Debt Proceeds	-	-	-	5,528,000	5,528,000
Capital Facility and Impact Fees	-	1,656,000	-	3,454,000	5,110,000
Property Tax	914,000	-	716,000	-	1,630,000
RDA pass-through for 11/12	383,000	-	383,000	-	766,000
Investment Earnings	82,000	(24,000)	97,000	(21,000)	134,000
Payment on Land Sale to City	74,000	-	74,000	-	148,000
Available Balance	17,244,000	2,616,300	23,085,000	7,490,000	50,435,300
Less 12/13 Appropriations and Transfers Out					
San Marcos Interceptor - Sewer	-	-	1,333,000	2,967,000	4,300,000
Linda Vista Sewer East	-	-	832,500	1,017,500	1,850,000
Encina Wastewater Authority - FY 12/13	-	-	1,518,000	-	1,518,000
Rock Springs Sewer Replacement	-	-	970,000	-	970,000
Sagewood Place Waterline Replacement	600,000	-	-	-	600,000
Vehicles	78,000	-	520,800	-	598,800
Encina Wastewater Authority - FY 11/12 & Prev	-	-	486,100	-	486,100
Vulnerability Assessment Improvements	-	270,000	-	180,000	450,000
Annual Steel Tank Refurbishment	424,000	-	-	-	424,000
Annual Sewer Replacement and I & I Repairs	-	-	350,000	-	350,000
Encina Land Parallel Outfall	-	-	-	310,000	310,000
Equipment	88,800	-	91,700	-	180,500
City of San Marcos Joint Projects	106,800	-	68,200	-	175,000
12" Failsafe Replacement/Redwing St.	-	-	170,000	-	170,000
MRF Solids Force Main Replacement	-	-	150,000	-	150,000
MRF Primary Clarifier Recoating	-	-	150,000	-	150,000
District-wide Valve Replacement Program	120,000	-	-	-	120,000
Questhaven Basin Water and Sewer Facilities	-	58,400	-	58,300	116,700
Maximo Software Upgrade	55,000	-	55,000	-	110,000
Tertiary Filter Media	-	-	92,000	-	92,000
MRF Telescoping Valve Control	-	-	70,000	-	70,000
Lift Station One #3 Pump & Motor Assembly	-	-	63,500	-	63,500
Flow Monitoring Stations	-	-	-	60,000	60,000
Secondary Skimmer Controls (6)	-	-	50,000	-	50,000
Land Outfall Clearing & Access Road	-	-	50,000	-	50,000
Miscellaneous Projects	180,000	40,000	128,500	90,500	439,000
Interfund Loan Transfers	4,444,300	-	2,789,000	-	7,233,300
Fund OPEB Trust	17,400	-	13,600	-	31,000
Debt Service - 2012 Debt	-	-	-	142,000	142,000
Debt Service - 2008 Loan	-	-	-	500,600	500,600
Debt Service - 2005 COPs	-	2,247,900	-	2,164,100	4,412,000
Less Total Appropriations/Transfers	6,114,300	2,616,300	9,951,900	7,490,000	26,172,500
Projected June 30, 2013 Balance	11,129,700	-	13,133,100	-	***$ 24,262,800***
Less Operating Reserves	(4,581,400)	-	(5,575,600)	-	(10,157,000)
Projected reserve/restricted funds	$ 6,548,300	$ -	$ 7,557,500	$ -	$ 14,105,800
Adopted replacement reserve floor	$ 4,293,100		$ 3,235,700		
Adopted replacement reserve ceiling	$ 17,478,400		$ 12,676,300		

See significant assumptions on page 102.

RESERVE PROJECTION FOR THE YEAR ENDING JUNE 30, 2014

	110 Water	120	210 Wastewater	220	
	Replacement	Capacity	Replacement	Capacity	Total
Projected July 1, 2013 Balance	$ 11,129,700	$ -	$ 13,133,100	$ -	$ 24,262,800
Revenues and Transfers In					
Operating Transfers	4,337,000	-	4,442,000	-	8,779,000
Capital Facility Fees	-	2,037,000	-	5,275,000	7,312,000
Property Tax	928,000	-	727,000	-	1,655,000
Debt Proceeds	-	-	-	1,432,000	1,432,000
Interfund Loan Transfer	-	521,900	412,800	-	934,700
Investment Earnings	108,000	(28,000)	105,000	(15,000)	170,000
Payment on Land Sale to City	74,000	-	74,000	-	148,000
Available Balance	16,576,700	2,530,900	18,893,900	6,692,000	44,693,500
Less 13/14 Appropriations and Transfers Out					
San Marcos interceptor sewer	-	-	651,000	1,449,000	2,100,000
Encina Land Parallel Outfall	-	-	-	900,000	900,000
MRF Solids Force Main Replacement	-	-	700,000	-	700,000
Annual Steel Tank Refurbishment	559,000	-	-	-	559,000
Encina Wastewater Authority - FY 12/13	-	-	506,000	-	506,000
Desalinated Water Pump Station	-	180,000	-	-	180,000
Bioxide Injection Station	-	-	-	175,000	175,000
Rock Springs Sewer Replacement	-	-	130,000	-	130,000
Questhaven Basin Water and Sewer Facilities	-	58,400	-	58,300	116,700
6" Solids Pipe Vault	-	-	96,000	-	96,000
Tertiary Filter Media	-	-	91,800	-	91,800
Richland Invert Replacement	-	-	40,500	49,500	90,000
Flow Monitoring Stations	-	-	-	61,400	61,400
Environmental Mitigation Property	-	5,000	-	45,000	50,000
Land Outfall Clearing & Access Road	-	-	50,000	-	50,000
Vulnerability Assessment Improvements	-	25,700	-	17,100	42,800
Supplemental Chlorine Injection Systems at Aqu	-	18,000	-	-	18,000
MRF Refurbish 3-Stage Vertical Turbine Effluer	-	-	15,000	-	15,000
MRF Conversion of Microscreen Building to Stc	-	-	15,000	-	15,000
SCADA Radio Antenna Masts	14,000	-	-	-	14,000
MRF Secondary Clarifier Flight Drive w/VFD	-	-	13,500	-	13,500
MRF Tertiary Filter Valve Actuator Controls	-	-	12,000	-	12,000
Interfund Loan Transfers	521,900	-	-	412,800	934,700
Fund OPEB Trust	24,600	-	19,400	-	44,000
Debt Service - 2012 Debt	-	-	-	863,500	863,500
Debt Service - 2008 Loan	-	-	-	500,200	500,200
Debt Service - 2005 COPs	-	2,243,800	-	2,160,200	4,404,000
Less Total Appropriations/Transfers	1,119,500	2,530,900	2,340,200	6,692,000	12,682,600
Projected June 30, 2014 Balance	15,457,200	-	16,553,700	-	***$ 32,010,900***
Operating Reserves	(4,801,300)	-	(6,083,500)	-	(10,884,800)
Projected reserve/restricted funds	$ 10,655,900	$ -	$ 10,470,200	$ -	$ 21,126,100
Adopted replacement reserve floor	$ 4,382,200		$ 3,340,700		
Adopted replacement reserve ceiling	$ 18,527,200		$ 13,399,000		

Debt service coverage	*311%*
Debt service coverage without cap fees	*184%*
Debt service coverage without cap fees or property tax	*155%*
Days of Operating Expenses in Unrestricted Cash and Investments	*286*

See significant assumptions on page 102.

RESERVE PROJECTION FOR THE YEAR ENDING JUNE 30, 2015

	110 Water	120	210 Wastewater	220	
	Replacement	Capacity	Replacement	Capacity	Total
Projected July 1, 2014 Balance	$ 15,457,200	$ -	$ 16,553,700	$ -	$ 32,010,900
Revenues and Transfers In					
Operating Transfers	4,019,000	-	3,872,000	-	7,891,000
Capital Facility Fees	-	2,088,000	-	3,889,000	5,977,000
Interfund Loan Transfer	-	3,985,000		978,100	4,963,100
Property Tax	942,000	-	738,000	-	1,680,000
Investment Earnings	138,000	(42,000)	126,000	(17,000)	205,000
Payment on Land Sale to City	74,000	-	74,000	-	148,000
Available Balance	20,630,200	6,031,000	21,363,700	4,850,100	52,875,000
Less 14/15 Appropriations and Transfers Out					
Desalinated Water Pump Station	-	3,020,000	-	-	3,020,000
Encina Land Parallel Outfall	-	-	-	900,000	900,000
High Point Pipeline	-	700,000	-	-	700,000
MRF Solids Force Main Replacement	-	-	660,000	-	660,000
Bioxide Injection Station	-	-	-	220,000	220,000
Environmental Mitigation Property	-	10,000	-	90,000	100,000
Richland Invert Replacement	-	-	33,800	41,200	75,000
Montiel Lift Station Replacement	-	-	35,000	35,000	70,000
Land Outfall Clearing & Access Road	-	-	52,000	-	52,000
Coronado Hills Tank #2	-	50,000	-	-	50,000
San Marcos interceptor sewer	-	-	15,500	34,500	50,000
MRF Headworks Building Hoist System	-	-	45,000	-	45,000
Pavement Maintenance for Facilities	25,000	-	-	-	25,000
MRF Refurbish 3-Stage Vertical Turbine Effluer	-	-	16,000	-	16,000
MRF Secondary Clarifier Flight Drive w/VFD	-	-	14,500	-	14,500
MRF Tertiary Filter Valve Actuator Controls	-	-	13,000	-	13,000
Interfund Loan Transfers	3,985,000	-	978,100	-	4,963,100
Fund OPEB Trust	24,600	-	19,400	-	44,000
Debt Service - 2011 debt	-	-	-	863,100	863,100
Debt Service - 2008 Loan	-	-	-	499,300	499,300
Debt Service - 2005 COPs	-	2,251,000	-	2,167,000	4,418,000
Less Total Appropriations/Transfers	4,034,600	6,031,000	1,882,300	4,850,100	16,798,000
Projected June 30, 2015 Balance	16,595,600	-	19,481,400	-	***$ 36,077,000***
Operating Reserves	(5,151,500)	-	(6,421,300)	-	(11,572,800)
Projected reserve/restricted funds	$ 11,444,100	$ -	$ 13,060,100	$ -	$ 24,504,200
Adopted replacement reserve floor	$ 4,485,400		$ 3,431,000		
Adopted replacement reserve ceiling	$ 19,946,800		$ 14,061,100		

Debt service coverage	*358%*
Debt service coverage without cap fees	*169%*
Debt service coverage without cap fees or property tax	*140%*
Days of Operating Expenses in Unrestricted Cash and Investments	*294*

See significant assumptions on page 102.

RESERVE PROJECTION FOR THE YEARS ENDING JUNE 30, 2016

	110 Water	120	210 Wastewater	220	
	Replacement	Capacity	Replacement	Capacity	Total
Projected July 1, 2015 Balance	$ 16,595,600	$ -	$ 19,481,400	$ -	$ 36,077,000
Revenues and Transfers In					
Operating Transfers	3,705,000	-	3,337,000	-	7,042,000
Capital Facility Fees	-	2,151,000	-	4,006,000	6,157,000
Interfund Loan Transfer	-	551,800	-	3,252,900	3,804,700
Property Tax	956,000	-	749,000	-	1,705,000
Investment Earnings	166,000	(55,000)	146,000	(30,000)	227,000
Payment on Land Sale to City	74,000	-	74,000	-	148,000
Available Balance	21,496,600	2,647,800	23,787,400	7,228,900	55,160,700
Less 15/16 Appropriations and Transfers Out					
Encina Land Parallel Outfall	-	-	-	2,900,000	2,900,000
Old Questhaven Sewer Replacement	-	-	642,200	191,800	834,000
Richland Invert Replacement	-	-	225,000	275,000	500,000
Montiel Lift Station Replacement	-	-	175,000	175,000	350,000
O&M Improvements to Central Building	174,900	-	174,800	-	349,700
Wulff Pressure Reducing Station	340,000	-	-	-	340,000
Coronado Hills Tank #2	-	200,000	-	-	200,000
Mountain Belle Pump Station & Pipeline Design	-	160,000	-	-	160,000
San Marcos interceptor sewer	-	-	31,000	69,000	100,000
Environmental Mitigation Property	-	10,000	-	90,000	100,000
Meadowlark Tank #3	14,200	26,300	-	-	40,500
MRF Tertiary Filter Valve Actuator Controls	-	-	14,000	-	14,000
Interfund Loan Transfer	551,800	-	3,252,900	-	3,804,700
Debt Service - 2011 Debt	-	-	-	862,600	862,600
Debt Service - 2008 Loan	-	-	-	498,000	498,000
Debt Service - 2005 COPs	-	2,251,500	-	2,167,500	4,419,000
Less Total Appropriations/Transfers	1,080,900	2,647,800	4,514,900	7,228,900	15,472,500
Projected June 30, 2016 Balance	20,415,700	-	19,272,500	-	***$ 39,688,200***
Operating Reserves	(5,509,500)	-	(6,771,000)	-	(12,280,500)
Projected reserve/restricted funds	$ 14,906,200	$ -	$ 12,501,500	$ -	$ 27,407,700
Adopted replacement reserve floor	$ 4,918,600		$ 3,595,900		
Adopted replacement reserve ceiling	$ 21,383,400		$ 15,064,500		

Debt service coverage	*328%*
Debt service coverage without cap fees	*155%*
Debt service coverage without cap fees or property tax	*126%*
Days of Operating Expenses in Unrestricted Cash and Investments	*300*

See significant assumptions on page 102.

RESERVE PROJECTION FOR THE YEAR ENDING JUNE 30, 2017

	110 Water	120	210 Wastewater	220	
	Replacement	Capacity	Replacement	Capacity	Total
Projected July 1, 2016 Balance	$ 20,415,700	$ -	$ 19,272,500	$ -	$ 39,688,200
Revenues and Transfers In					
Operating Transfers	3,520,000	-	3,463,000	-	6,983,000
Capital Facility Fees	-	2,216,000	-	4,126,000	6,342,000
Interfund Loan Transfers	-	744,500		3,765,200	4,509,700
Property Tax	970,000	-	760,000	-	1,730,000
Investment Earnings	194,000	(59,000)	168,000	(51,000)	252,000
Payment on Land Sale to City	74,000	-	74,000	-	148,000
Available Balance	25,173,700	2,901,500	23,737,500	7,840,200	59,652,900
Less 16/17 Appropriations and Transfers Out					
Encina Land Parallel Outfall	-	-	-	3,700,000	3,700,000
Montiel Lift Station Replacement	-	-	390,000	390,000	780,000
Coronado Hills Tank #2	-	490,000	-	-	490,000
Mountain Belle Pump Station & Pipeline Design	-	150,000	-	-	150,000
Environmental Mitigation Property	-	10,000	-	90,000	100,000
San Marcos interceptor sewer	-	-	15,500	34,500	50,000
Interfund Loan Transfers	744,500	-	3,765,200	-	4,509,700
Debt Service - 2011 Debt	-	-	-	862,100	862,100
Debt Service - 2008 Loan	-	-	-	496,100	496,100
Debt Service - 2005 COPs	-	2,251,500	-	2,167,500	4,419,000
Less Total Appropriations/Transfers	744,500	2,901,500	4,170,700	7,740,200	15,556,900
Projected June 30, 2017 Balance	24,429,200	-	19,566,800	100,000	***$ 44,096,000***
Operating Reserves	(5,970,100)	-	(7,191,600)	-	(13,161,700)
Projected reserve/restricted funds	$ 18,459,100	$ -	$ 12,375,200	$ 100,000	$ 30,934,300
Adopted replacement reserve floor	$ 5,407,900		$ 3,811,400		
Adopted replacement reserve ceiling	$ 22,825,700		$ 17,396,300		

Debt service coverage	*265%*
Debt service coverage without cap fees	*155%*
Debt service coverage without cap fees or property tax	*125%*
Days of Operating Expenses in Unrestricted Cash and Investments	*308*

See significant assumptions on page 102.

LONG RANGE RESERVE PROJECTION

	2017/18	2018/19	2019/20	2020/21	2020/22
Projected Beginning Balance	$ 44,096,000	$ 46,470,000	$ 48,699,000	$ 50,767,000	$ 52,738,000
Operating transfers	7,192,000	7,408,000	7,630,000	7,859,000	8,095,000
Capital facility fees	5,879,000	5,450,000	5,052,000	4,683,000	4,341,000
Property tax	1,756,000	1,782,000	1,809,000	1,836,000	1,864,000
Investment earnings	271,000	285,000	298,000	310,000	322,000
Capital outlay	(7,000,000)	(7,000,000)	(7,000,000)	(7,000,000)	(7,000,000)
Debt service	(5,724,000)	(5,696,000)	(5,721,000)	(5,717,000)	(5,710,000)
Projected Ending Balance	$ 46,470,000	$ 48,699,000	$ 50,767,000	$ 52,738,000	$ 54,650,000
Operating reserves	(13,557,000)	(13,964,000)	(14,383,000)	(14,814,000)	(15,258,000)
Projected reserve/restricted funds	$ 32,913,000	$ 34,735,000	$ 36,384,000	$ 37,924,000	$ 39,392,000
Adopted replacement reserve floor	$ 9,892,000	$ 10,153,000	$ 10,776,000	$ 11,600,000	$ 12,765,000
Adopted replacement reserve ceiling	$ 43,995,000	$ 47,575,000	$ 51,172,000	$ 55,045,000	$ 59,094,000

Significant Assumptions

Operating Transfers are the result of operating activity transferred from the disbursements fund during the year. Fiscal Year (FY) 12/13 includes rate increases adopted in July of 2011 of 39¢ (13.4%) to water commodity Tier 1 rate per unit, monthly ready-to-serve (RTS) 5/8" meter of $1.91 (9.3%), and monthly sewer for a single family resident of $1.87 (5.5%). Assumptions include rate increases in years 13/14, 14/15, 15/16, and 16/17 as follows:

	2013/14	2014/15	2015/16	2016/17
Water commodity Tier 1 per unit (all from wholesale	17¢ (5.1%)	19¢ (5.5%)	19¢ (5.2%)	21¢ (5.4%)
Monthly ready-to-serve 5/8" meter charge	$1.40 (5.6%)	$1.94 (7.3%)	$2.27 (8.0%)	$2.27 (7.4%)
Monthly sewer service charge	0%	0%	0%	4.8%

Over the next five years, cost of wholesale water commodity will increase by 45% and wholesale fixed charges will increase 55%. Power, fuel, and chemical costs will increase by 5% while most other operating costs will increase by 3% from year-to-year. The District will add 192 water accounts in 2012/13, 204 in 2013/14, and 228 in 2014/15 and every year thereafter. The District will add 204 sewer accounts in 2012/13, 216 in 2013/14, and 228 in 2014/15 and every year thereafter.

Interfund Loan Transfers cover deficits in the Capacity funds from the Replacement funds.

Debt Proceeds are from a bank loan or bond issuance to fund the increased capacity portions of San Marcos Interceptor and Linda Vista Sewer projects. This budget assumes a 10-year term and 4% interest. ***Debt Service – 2011 Debt*** is the principal and interest related to the pay down of this debt.

Capital Facility and Impact Fees – The District will collect capacity charges for 250 water EDUs in 2012/13 and 300 each year from 2013/14 through 2016/17. The District will collect capacity charges for 300 sewer EDUs in 2012/13, 350 in 2013/14, and 400 each year from 2014/15 through 2016/17. The number of EDUs will decline by 10% each year starting in 2017/18. The rate per EDU will increase by 3% each year. The District will collect impact fees for 200 EDUs in 2012/13, and 360 EDUs in 2013/14.

Property Tax revenue from the 1% allocation will increase by 1.5% each year. However, pass-through RDA increment will be received for the 2011/12 fiscal year in 2012/13 and then cease.

Investment Earnings are assumed at 0.6%.

Vallecitos Water District
Replacement Reserve Limits - Water System
For the 2012/13 Budget year

Current ENR Index	9267.57

Year Added	Original Cost	ENR Factor	2012 Costs	Year of Replacement 2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
1957	$ 923,038	12.80	$ 11,815,358	$ 381,141	$ 381,141	381,141	381,141	381,141	381,141	381,141	381,141	381,141	381,141
1958	134,201	12.21	1,638,626	52,859	52,859	52,859	52,859	52,859	52,859	52,859	52,859	52,859	52,859
1963	2,067,687	10.29	21,267,962	686,063	686,063	686,063	686,063	686,063	686,063	686,063	686,063	686,063	686,063
1964	181,560	9.90	1,797,671	57,989	57,989	57,989	57,989	57,989	57,989	57,989	57,989	57,989	57,989
1965	256,377	9.54	2,446,953	78,934	78,934	78,934	78,934	78,934	78,934	78,934	78,934	78,934	78,934
1966	107,429	9.09	977,042	31,517	31,517	31,517	31,517	31,517	31,517	31,517	31,517	31,517	31,517
1967	122,039	8.63	1,053,077	33,970	33,970	33,970	33,970	33,970	33,970	33,970	33,970	33,970	33,970
1968	37,421	8.02	300,261	9,686	9,686	9,686	9,686	9,686	9,686	9,686	9,686	9,686	9,686
1969	39,742	7.30	290,238	9,363	9,363	9,363	9,363	9,363	9,363	9,363	9,363	9,363	9,363
1970	37,955	6.71	254,707	8,216	8,216	8,216	8,216	8,216	8,216	8,216	8,216	8,216	8,216
1971	90,080	5.86	528,035	17,033	17,033	17,033	17,033	17,033	17,033	17,033	17,033	17,033	17,033
1972	77,091	5.29	407,556	13,147	13,147	13,147	13,147	13,147	13,147	13,147	13,147	13,147	13,147
1973	169,427	4.89	828,589	26,729	26,729	26,729	26,729	26,729	26,729	26,729	26,729	26,729	26,729
1974	141,987	4.59	651,423	-	21,014	21,014	21,014	21,014	21,014	21,014	21,014	21,014	21,014
1975	230,530	4.19	965,847	-	-	31,156	31,156	31,156	31,156	31,156	31,156	31,156	31,156
1976	296,066	3.86	1,142,779	-	-	-	36,864	36,864	36,864	36,864	36,864	36,864	36,864
1977	303,133	3.60	1,090,569	-	-	-	-	35,180	35,180	35,180	35,180	35,180	35,180
1978	3,353,752	3.34	11,196,373	-	-	-	-	-	361,173	361,173	361,173	361,173	361,173
1979	933,794	3.09	2,881,785	-	-	-	-	-	-	92,961	92,961	92,961	92,961
1980	390,894	2.86	1,119,134	-	-	-	-	-	-	-	36,101	36,101	36,101
1981	397,944	2.62	1,043,274	-	-	-	-	-	-	-	-	33,654	33,654
1982	1,933,811	2.42	4,685,419	-	-	-	-	-	-	-	-	-	151,143
1983	3,393,243	2.28	7,734,166	-	-	-	-	-	-	-	-	-	-
1984	5,435,002	2.24	12,148,881	-	-	-	-	-	-	-	-	-	-
1985	675,452	2.21	1,492,205	-	-	-	-	-	-	-	-	-	-
1986	611,788	2.16	1,320,090	-	-	-	-	-	-	-	-	-	-
1987	799,052	2.10	1,680,724	-	-	-	-	-	-	-	-	-	-
1988	8,585,267	2.05	17,606,675	-	-	-	-	-	-	-	-	-	-
1989	1,572,104	2.01	3,157,006	-	-	-	-	-	-	-	-	-	-
1990	2,124,484	1.96	4,160,779	-	-	-	-	-	-	-	-	-	-
1991	1,777,396	1.92	3,406,855	-	-	-	-	-	-	-	-	-	-
1992	8,263,508	1.86	15,362,616	-	-	-	-	-	-	-	-	-	-
1993	3,727,844	1.78	6,631,105	-	-	-	-	-	-	-	-	-	-
1994	2,198,280	1.71	3,767,144	-	-	-	-	-	-	-	-	-	-
1995	4,438,365	1.69	7,518,344	-	-	-	-	-	-	-	-	-	-
1996	1,872,216	1.65	3,087,347	-	-	-	-	-	-	-	-	-	-
1997	3,075,659	1.59	4,892,531	-	-	-	-	-	-	-	-	-	-
1998	4,236,142	1.57	6,631,544	-	-	-	-	-	-	-	-	-	-
1999	1,216,379	1.53	1,860,518	-	-	-	-	-	-	-	-	-	-
2000	33,016,987	1.49	49,186,182	-	-	-	-	-	-	-	-	-	-
2001	1,599,452	1.46	2,336,912	-	-	-	-	-	-	-	-	-	-
2002	2,243,174	1.42	3,179,684	-	-	-	-	-	-	-	-	-	-
2003	8,148,602	1.38	11,280,329	-	-	-	-	-	-	-	-	-	-
2004	4,803,706	1.30	6,257,115	-	-	-	-	-	-	-	-	-	-
2005	4,945,039	1.24	6,154,797	-	-	-	-	-	-	-	-	-	-
2006	6,296,020	1.20	7,527,907	-	-	-	-	-	-	-	-	-	-
2007	9,123,102	1.16	10,613,732	-	-	-	-	-	-	-	-	-	-
2008	7,200,501	1.12	8,030,222	-	-	-	-	-	-	-	-	-	-
2009	32,403,360	1.08	35,040,888	-	-	-	-	-	-	-	-	-	-
2010	4,510,327	1.05	4,748,895	-	-	-	-	-	-	-	-	-	-
2011	2,053,547	1.02	2,098,279	-	-	-	-	-	-	-	-	-	-
	$182,571,956		$317,296,149	1,406,648	1,427,661	1,458,818	1,495,681	1,530,861	1,892,034	1,984,995	2,021,096	2,054,750	2,205,893

Three-Year Minimum Reserve Balance <-------$4,293,127------->

Ten-Year Maximum Reserve Balance <---------- $17,478,438 ---------->

Vallecitos Water District
Replacement Reserve Limits - Wastewater System
For the 2012/13 Budget year

Current ENR Index	9267.57

Year Added	Original Cost	ENR Factor	2012 Costs	Year of Replacement 2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
1964	$ 1,421,340	9.90	$ 14,073,043	$ 453,969	$ 453,969	453,969	453,969	453,969	453,969	453,969	453,969	453,969	453,969
1965	394,116	9.54	3,761,584	121,341	121,341	121,341	121,341	121,341	121,341	121,341	121,341	121,341	121,341
1966	110,183	9.09	1,002,089	32,325	32,325	32,325	32,325	32,325	32,325	32,325	32,325	32,325	32,325
1967	41,816	8.63	360,831	11,640	11,640	11,640	11,640	11,640	11,640	11,640	11,640	11,640	11,640
1968	24,352	8.02	195,397	6,303	6,303	6,303	6,303	6,303	6,303	6,303	6,303	6,303	6,303
1969	28,784	7.30	210,211	6,781	6,781	6,781	6,781	6,781	6,781	6,781	6,781	6,781	6,781
1970	1,617,466	6.71	10,854,438	350,143	350,143	350,143	350,143	350,143	350,143	350,143	350,143	350,143	350,143
1971	53,601	5.86	314,201	10,136	10,136	10,136	10,136	10,136	10,136	10,136	10,136	10,136	10,136
1972	78,755	5.29	416,353	13,431	13,431	13,431	13,431	13,431	13,431	13,431	13,431	13,431	13,431
1973	149,279	4.89	730,055	23,550	23,550	23,550	23,550	23,550	23,550	23,550	23,550	23,550	23,550
1974	409,501	4.59	1,878,752	-	60,605	60,605	60,605	60,605	60,605	60,605	60,605	60,605	60,605
1975	189,378	4.19	793,433	-	-	25,595	25,595	25,595	25,595	25,595	25,595	25,595	25,595
1976	151,559	3.86	584,999	-	-	-	18,871	18,871	18,871	18,871	18,871	18,871	18,871
1977	394,775	3.60	1,420,266	-	-	-	-	45,815	45,815	45,815	45,815	45,815	45,815
1978	930,683	3.34	3,107,050	-	-	-	-	-	100,227	100,227	100,227	100,227	100,227
1979	697,184	3.09	2,151,582	-	-	-	-	-	-	69,406	69,406	69,406	69,406
1980	139,384	2.86	399,058	-	-	-	-	-	-	-	12,873	12,873	12,873
1981	192,586	2.62	504,895	-	-	-	-	-	-	-	-	16,287	16,287
1982	4,772,279	2.42	11,562,727	-	-	-	-	-	-	-	-	-	372,991
1985	5,149,309	2.21	11,375,824	-	-	-	-	-	-	-	-	-	-
1986	19,355,791	2.16	41,765,110	-	-	-	-	-	-	-	-	-	-
1987	381,136	2.10	801,681	-	-	-	-	-	-	-	-	-	-
1988	1,232,431	2.05	2,527,471	-	-	-	-	-	-	-	-	-	-
1989	2,001,761	2.01	4,019,818	-	-	-	-	-	-	-	-	-	-
1990	3,031,169	1.96	5,936,511	-	-	-	-	-	-	-	-	-	-
1991	1,864,618	1.92	3,574,039	-	-	-	-	-	-	-	-	-	-
1992	3,162,421	1.86	5,879,229	-	-	-	-	-	-	-	-	-	-
1993	13,446,724	1.78	23,919,089	-	-	-	-	-	-	-	-	-	-
1994	2,113,222	1.71	3,621,382	-	-	-	-	-	-	-	-	-	-
1995	3,276,618	1.69	5,550,409	-	-	-	-	-	-	-	-	-	-
1996	1,199,768	1.65	1,978,458	-	-	-	-	-	-	-	-	-	-
1997	988,964	1.59	1,573,171	-	-	-	-	-	-	-	-	-	-
1998	4,670,391	1.57	7,311,347	-	-	-	-	-	-	-	-	-	-
1999	1,047,495	1.53	1,602,201	-	-	-	-	-	-	-	-	-	-
2000	3,954,391	1.49	5,890,949	-	-	-	-	-	-	-	-	-	-
2001	2,705,995	1.46	3,953,649	-	-	-	-	-	-	-	-	-	-
2002	109,018	1.42	154,532	-	-	-	-	-	-	-	-	-	-
2003	9,260,829	1.38	12,820,014	-	-	-	-	-	-	-	-	-	-
2004	3,031,642	1.30	3,948,895	-	-	-	-	-	-	-	-	-	-
2005	2,984,298	1.24	3,714,379	-	-	-	-	-	-	-	-	-	-
2006	7,245,244	1.20	8,662,857	-	-	-	-	-	-	-	-	-	-
2007	(10,129,834)	1.16	(11,784,954)	-	-	-	-	-	-	-	-	-	-
2008	9,022,922	1.12	10,062,643	-	-	-	-	-	-	-	-	-	-
2009	37,476,922	1.08	40,527,421	-	-	-	-	-	-	-	-	-	-
2010	3,860,825	1.05	4,065,038	-	-	-	-	-	-	-	-	-	-
2011	1,487,477	1.02	1,519,878	-	-	-	-	-	-	-	-	-	-
	$145,728,568		$ 265,787,347	1,029,619	1,090,224	1,115,819	1,134,690	1,180,505	1,280,732	1,350,138	1,363,011	1,379,298	1,752,289

Three-Year Minimum Reserve Balance <------$3,235,663------->

Ten-Year Maximum Reserve Balance <---------- $12,676,326 ---------->