VALLECITOS WATER DISTRICT

Water and Wastewater Specialists since 1955

Budget 2014-2015

Shaping our Water for Generations to Come

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Our Mission

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: Mike Sannella, James Hernandez, Hal Martin, Betty Evans, James Poltl

Board of Directors

Hal Martin, President
James Poltl, Vice President
Betty Evans
Jim Hernandez
Mike Sannella

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.

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VALLECITOS WATER DISTRICT
Water and Wastewater Specialists since 1955

201 Vallecitos de Oro · San Marcos, California · 92069-1453 · (760) 744-0460

Date: June 18, 2014

To: Honorable Board of Directors

Regarding: Fiscal Year 2014/15 Budget

Enclosed is the Budget for Fiscal Year 2014/15. The budget totals $133,077,000 compared to $130,105,000 for the 2013/14 budget and is comprised of $47,266,000 of operational expenses (a 2.5% increase from the $46,132,000 in 2013/14 operating budget) and a commitment of $85,811,000 for capital projects ($83,973,000 in 2013/14).

The operational increase of $1,134,000 is attributable to a projected $766,000 increase in cost of water, $433,000 increase in cost of labor and a $65,000 decrease in all other expenses. The District continues to hold the most controllable costs (operating costs without water purchases and labor) without increases. In addition, $13.3 million from operations is being set aside for capital replacement.

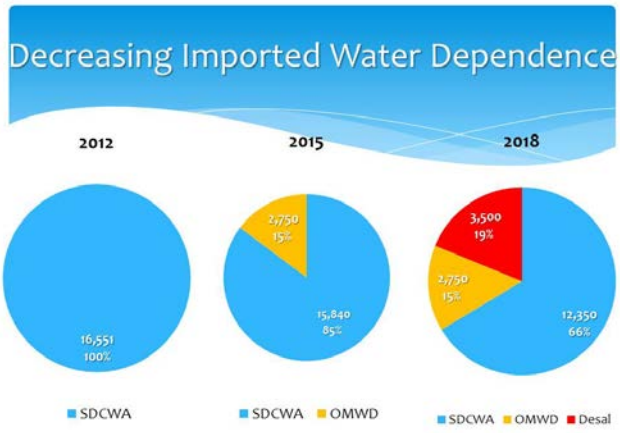
Rate increases contained in this budget were adopted in October 2013 and meet strategic and financial objectives of the budget. For purposes of the long-range projection, only wholesale rate increases for water are assumed while the retail portion is decreased to mitigate rate spikes from desalinated water. The sewer rate increase in assumed to hold at 4% per year.

SHAPING OUR WATER FOR GENERATIONS TO COME

For almost 60 years, the Vallecitos Water District has made a priority of providing reliable water and sewer services to all of its customers. This budget reflects the desire of the Board of Directors and management to continue reliable services far into the future. Working with a finite amount of natural resources, maintaining a level of quality service and continuing to meet demands will always be a challenge. However, through long range financial planning, diversifying the water portfolio, exploring reuse alternatives, and educating the public about the complexities of utility operations, the scarcity of water and how to conserve, Vallecitos is shaping the future of our water supply for generations to come.

Diversifying Our Water Portfolio

The capital budget includes the "San Elijo Pump Station" which will enable the District to receive 2,750 acre feet of treated water from Olivenhain Municipal Water District's David C. McCollom Treatment plant at a cost less than water from the San Diego County Water Authority. The capital budget also includes "Desalinated Water Connection" to the Carlsbad Desalination Plant for a contracted 3,500 acre feet of desalinated water directly to the Vallecitos water infrastructure. The graphs on the next page display the diversifying water portfolio over time. In addition, Vallecitos has joined forces with a number of agencies to form the North San Diego County Water Reuse Coalition and pursue water reuse projects that benefit the region and environment and reduce reliance on imported water.



Public Outreach and Educational Programs

A future with a reliable and safe water source depends on keeping the public apprised of current issues surrounding it. Vallecitos continues to increase efforts in the area of public outreach to assist our customers in understanding the current issues.

The District hosts or participates in several outreach programs such as:

- The Water Academy Tours - Whereby customers of the District can join a full day tour of the facilities that provide the water and wastewater services they receive.
- Grade School Tours and Programs - Create awareness of the diverse components of the water system.

- Gear Up Program - Held at Palomar College for middle and high school students introduces the water utility industry and presents the industry as a potential career choice.
- Palomar College Water Technology – Education is provided for adult students so they can earn certifications to operate facilities as field personnel.
- California State University San Marcos Water Management Program – Starting with a survey of water management course, and on to certificate programs, with a goal of a degree program, CSUSM, Dennis Lamb, Kevin Hardy and Darrell Gentry are providing an employment force the knowledge to advance and succeed in the industry.
- Other programs fall under the public outreach umbrella and are continuous year-round including: free landscape irrigation audits; various rebate programs; sustainable vegetation gardens throughout the district and many more.

Long-range Financial Planning

As with recent budgets, this budget includes a 10-year projection of operating costs and capital needs in order to plan for a sound future in water supply and reliability. Fiscal sustainably is absolutely a necessary factor in the equation for future reliability.

All District employees are responsible to consider costs involved with activities and try to work as efficiently and effectively as possible. Consideration of controlling costs translates into the future viability of the District. Some of these considerations are: rate affordability; maintaining reserves, assess adequacy

to cover debt obligations now and in the future; and a credit worthy cash position. We plan to meet our capital needs and maintain a strong financial position without incurring or by minimizing new borrowing.

FINANCIAL HIGHLIGHTS

The following narratives are financial highlights and comparisons of this budget FY (2014/15) and last budget (FY 2013/14).

Water Operations (pages 3-14)

Water purchases are projected to total 18,300 acre feet with sales of 17,477 acre feet for 2014/15. The water operating budget decreased by $103,000 from last year's budget, excluding water costs. With water costs, the budget increased by $663000, or 1.9%, due to increased water demands and funding the rate stabilization fund.

Wastewater Operations (pages 15-24)

Wastewater operating costs increased by $371,000, or 3.2%, over last year's budget due to increases in personnel, materials and outside services. Reclaimed water costs are recovered by contractual sales to the Carlsbad Municipal Water District and Olivenhain Municipal Water District.

Personnel (pages 25-31)

There are three new positions, a reclassification and small reorganization included in this budget. All positions have previously been identified in the five-year staffing plan.

Salaries and benefits for 2014/15 increased from last budget year by $433,000 or 3.2% due to: increasing costs to provide health insurance, retirement benefits and longevity of existing employees. Management will continue to scrutinize the need for all positions and only fill positions if absolutely necessary.

Capital Budget (pages 33-111)

Capital projects, are summarized on the Comprehensive Project List found on page 34. Details of each project, including timing of phases and spending, are presented on pages 36 through 110, followed by requests for vehicles and equipment. Of the $85.8 million capital budget, $23.8 million are from new requests. The remainder is from projects carried over from the prior year resulting in a capital budget increase of $1.4 million.

Reserve Budget and Projection (pages 113-119)

The Reserve Budget includes revenues and transfers from various sources and summarizes appropriations and expected cash outflows for debt service and capital projects. Page 113 displays the 2014/15 reserve budget for consideration. Page 114 forward display detailed reserve projections for four subsequent years followed by a summary projection for the five years thereafter.

As a final note, 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, 2015

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BUDGET FOR THE YEAR ENDING JUNE 30, 2015

BUDGETARY CONSIDERATIONS

Mission Statement

Water and wastewater specialists providing exceptional and sustainable services.

The budget reflects the mission statement

Budgetary Approach

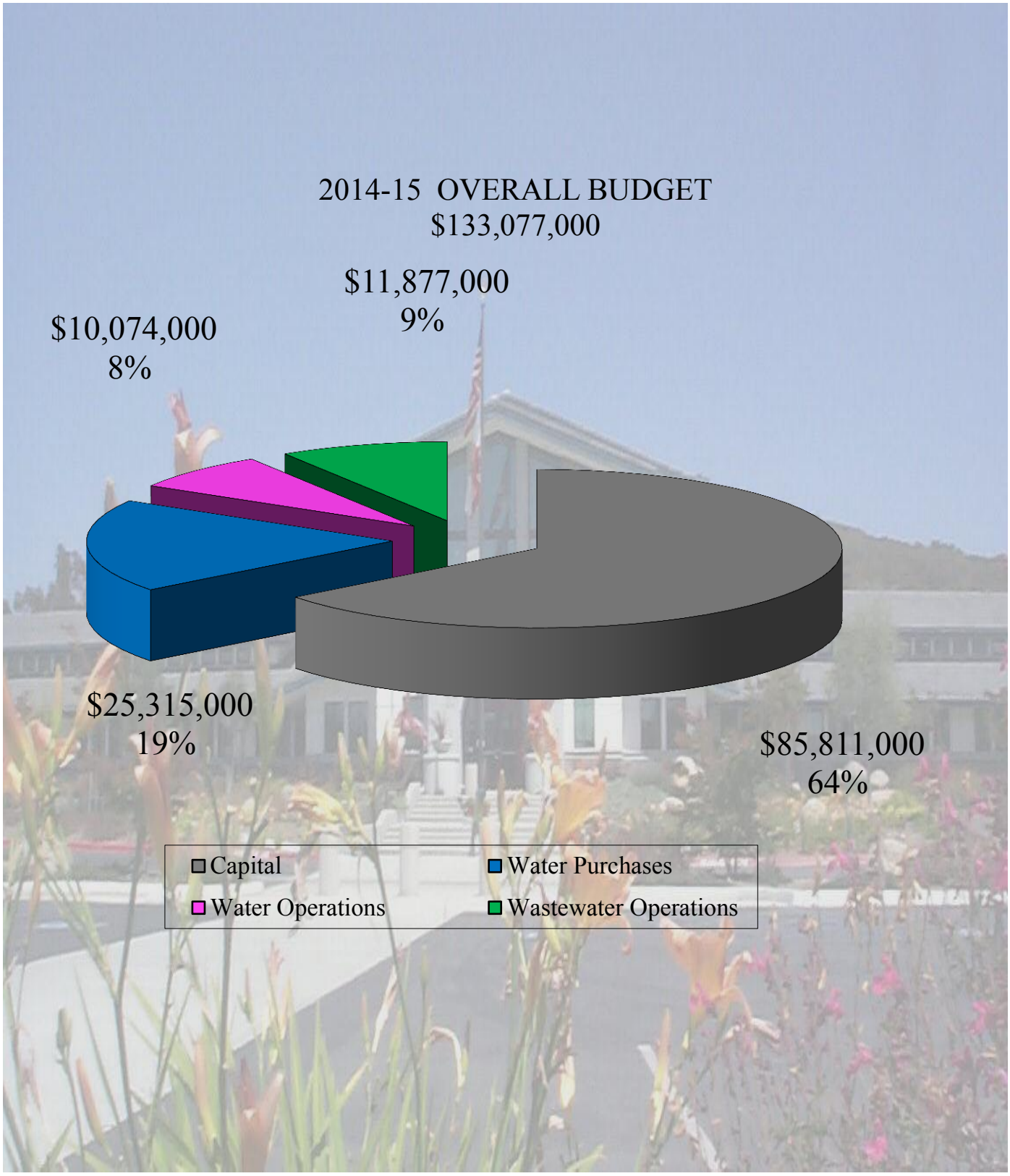
Governmental agencies, such as cities and counties, usually approach their budgets from the "revenue end." Since their revenues are somewhat predictable and restricted, their budgetary considerations are based on setting a level of service (expense total) that can be attained with those available funds.

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.

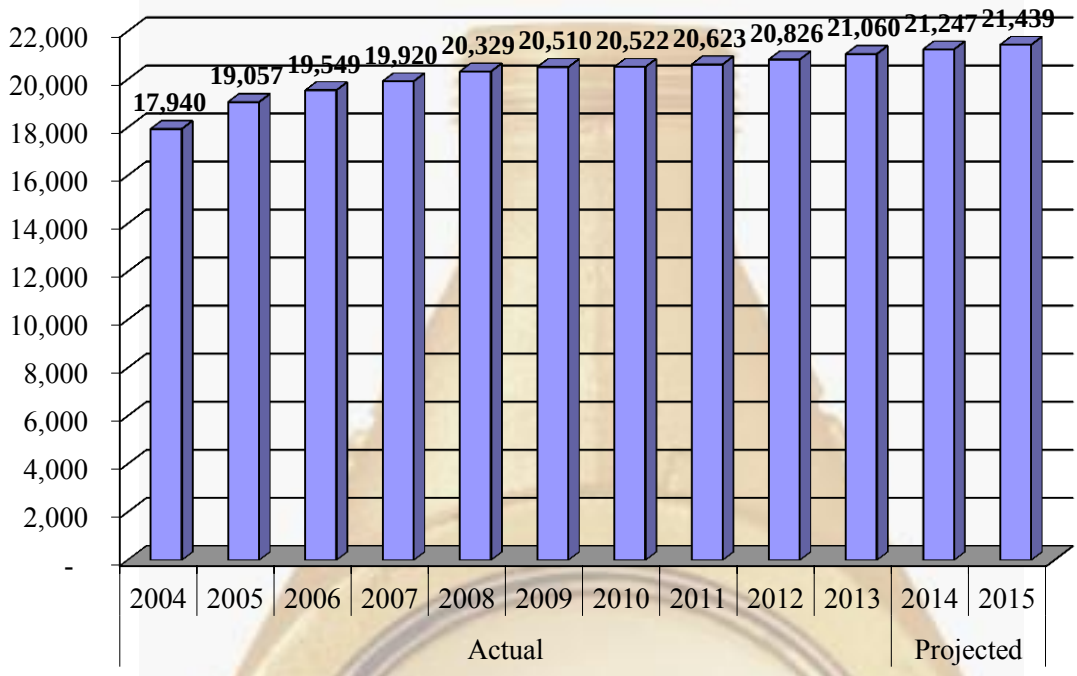
Operating revenue in excess of operating expense is earmarked for transfer to the Replacement Reserve Fund for the future replacement of assets. This ensures that current users of our system are paying their fair share for the maintenance of existing facilities as they depreciate.


2014-15 OVERALL BUDGET
$133,077,000
$11,877,000
9%
$10,074,000
8%
$25,315,000
19%
$85,811,000
64%
Capital
Water Purchases
Water Operations
Wastewater Operations

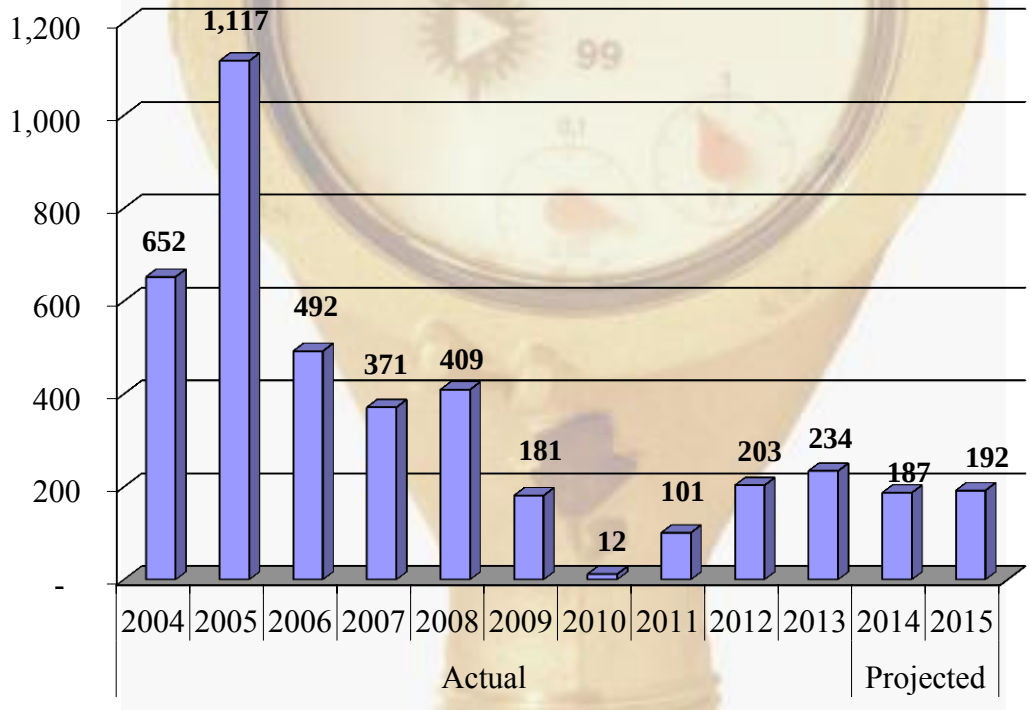
2014-2015 OPERATING BUDGET

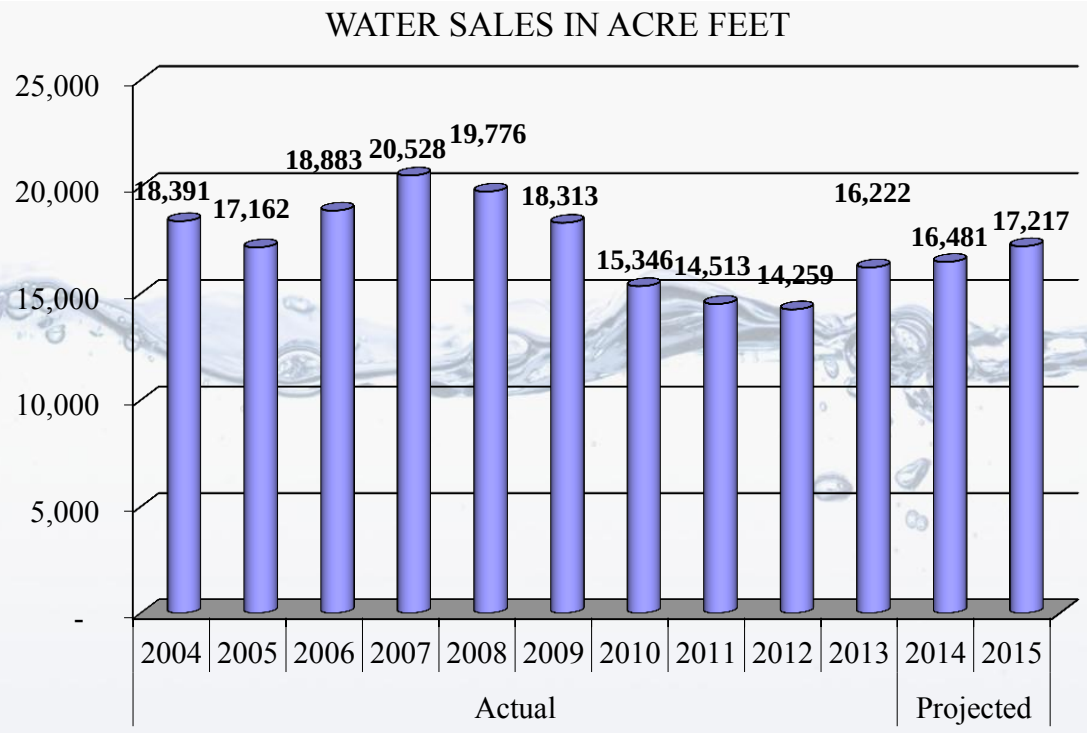
WATER

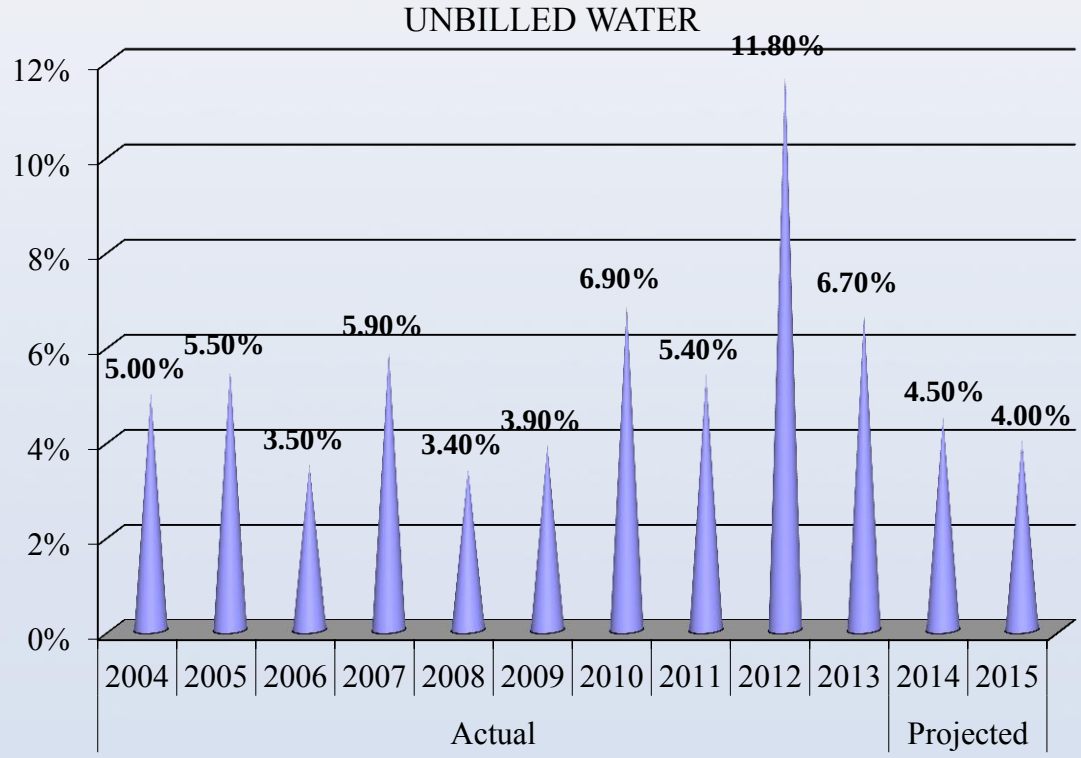
METERS IN SERVICE



METER ADDITIONS







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, 2015

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 17 steel 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 26 pressure reducing stations, 3 (internal) flow control facilities, 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, 2015

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 21,200 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, capital facilities and inspection 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
Cost of Labor:

- *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, 2015

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, 2015

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.

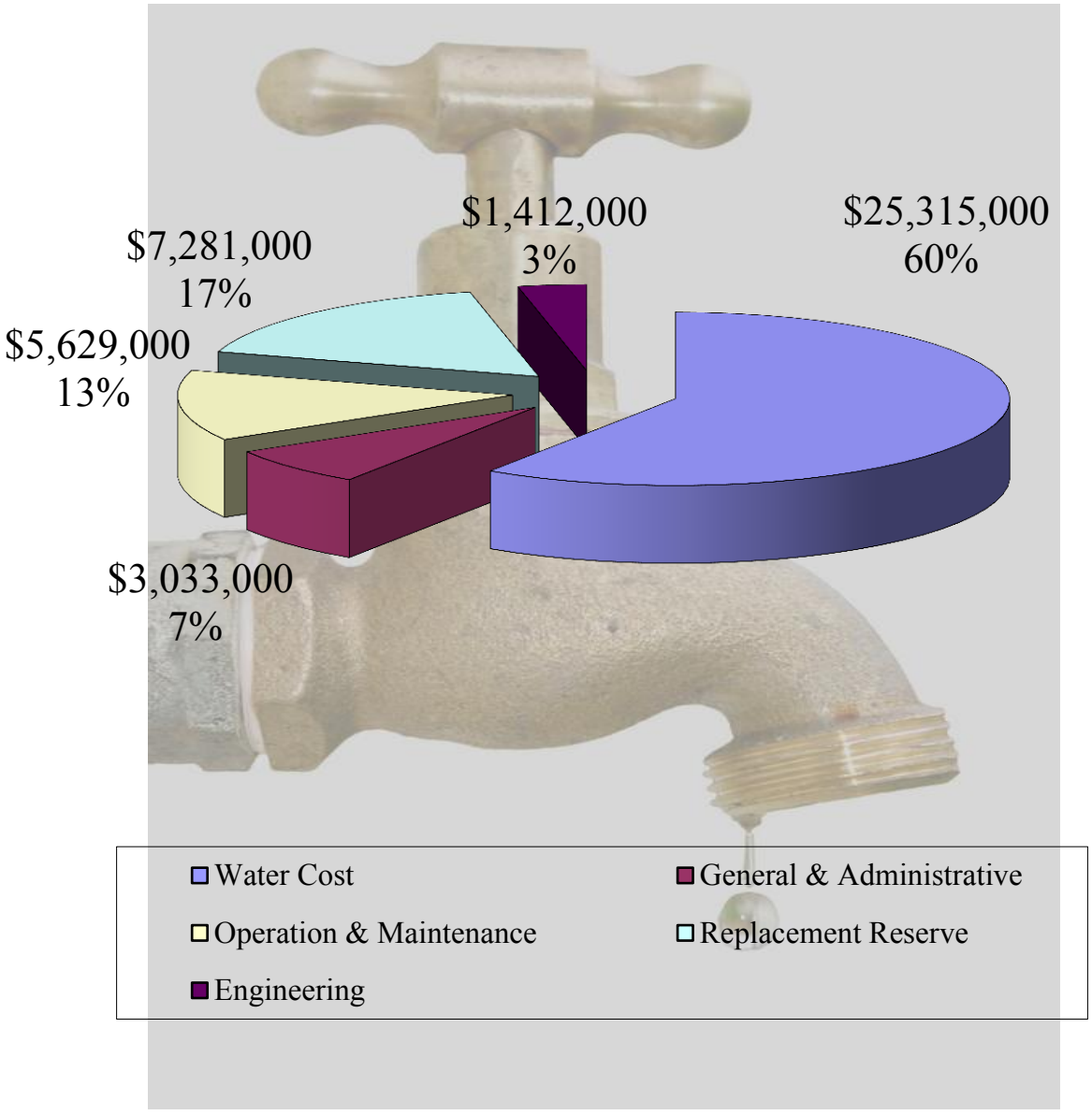
Director Fees are paid for attendance of board meetings, professional conferences, and other District-sanctioned organizations.

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.

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

2014-2015 WATER OPERATING BUDGET
$42,670,000



WATER OPERATIONS BUDGET FOR THE YEAR ENDING JUNE 30, 2015

		Actual FY 12-13	Budget FY 13-14	Projected FY 13-14	Budget FY 14-15	Estimated FY 15-16
OPERATING REVENUES						
Water Sales	*4001*	$23,364,573	$27,369,000	$ 26,174,000	$29,570,000	$32,238,000
Ready to Serve	*4003*	10,638,282	11,076,000	11,464,000	12,379,000	13,514,000
Pumping Charges	*4002*	171,107	176,000	177,000	181,000	197,000
Interest	*4401*	37,365	5,000	5,000	5,000	5,000
Other	*Various*	480,209	461,000	639,000	535,000	546,000
Total Revenue		34,691,536	39,087,000	38,459,000	42,670,000	46,500,000
OPERATING EXPENSES						
Water Purchases	*1010*	21,982,845	24,549,000	23,587,000	25,315,000	28,817,000
Pumping	*2010*	325,591	325,000	358,000	359,000	365,000
Water Quality	*2020*	114,799	156,000	134,000	190,000	143,000
Water Treatment	*2030*	295,674	362,000	314,000	335,000	375,000
Tanks & Reservoirs	*2040*	299,360	375,000	273,000	387,000	409,000
Transmission & Dist.	*2050*	1,065,384	1,224,000	1,094,000	1,204,000	1,327,000
Services	*2060*	128,318	194,000	133,000	163,000	178,000
Meters	*2070*	561,274	605,000	599,000	630,000	661,000
Backflow Prevention	*2080*	75,559	62,000	71,000	62,000	66,000
Customer Accounts	*4010*	616,882	784,000	474,000	778,000	741,000
Equipment & Vehicles	*4210*	281,174	296,000	263,000	306,000	326,000
Building & Grounds	*4110*	369,528	327,000	440,000	339,000	359,000
Engineering	*5010*	1,221,772	1,329,000	1,151,000	1,412,000	1,406,000
Safety & Reg. Affairs	*5210*	215,013	245,000	184,000	240,000	249,000
Information Technology	*6230*	530,537	652,000	481,000	636,000	676,000
General & Admin.	*6xxx*	3,240,474	3,141,000	2,879,000	3,033,000	3,197,000
Total Expense		31,324,184	34,626,000	32,435,000	35,389,000	39,295,000
OPERATING INCOME		3,367,352	4,461,000	6,024,000	7,281,000	7,205,000
LESS TRANSFERS TO REPLACEMENT RESERVE		3,367,352	4,461,000	6,024,000	7,281,000	7,205,000
NET INCOME		$ -	$ -	$ -	$ -	$ -

WATER OPERATIONS BUDGET FOR THE YEAR ENDING JUNE 30, 2015

		Actual FY 12-13	Budget FY 13-14	Projected FY 13-14	Budget FY 14-15	Estimated FY 15-16
WATER PURCHASES	*5001*	$21,982,845	$24,549,000	$ 23,587,000	$25,173,000	$28,626,000
PUMPING						
Cost of Labor	*2010xxx.51xx*	74,752	53,000	78,000	69,000	79,000
Materials & Supplies	*" .53xx*	30,444	37,000	41,000	50,000	33,000
Outside Repair/Service	*" .54xx*	11,817	25,000	21,000	15,000	21,000
Power	*" .5306*	208,578	210,000	218,000	225,000	232,000
Total Pumping		325,591	325,000	358,000	359,000	365,000
WATER QUALITY						
Cost of Labor	*2020000.51xx*	63,142	77,000	66,000	85,000	92,000
Material & Supplies	*" .53xx*	22,949	32,000	17,000	50,000	16,000
Outside Repair/Service	*" .54xx*	28,708	47,000	51,000	55,000	35,000
Total Water Treatment		114,799	156,000	134,000	190,000	143,000
WATER TREATMENT						
Cost of Labor	*2030000.51xx*	256,064	327,000	266,000	300,000	329,000
Material & Supplies	*" .53xx*	28,243	29,000	21,000	30,000	31,000
Outside Repair/Service	*" .54xx*	11,367	5,000	27,000	5,000	15,000
Power	*" .5306*	-	1,000	-	-	-
Total Water Treatment		295,674	362,000	314,000	335,000	375,000
TANKS & RESERVOIRS						
Cost of Labor	*2040xxx.51xx*	229,972	284,000	200,000	278,000	313,000
Materials & Supplies	*" .53xx*	20,394	17,000	32,000	35,000	20,000
Outside Repair/Service	*" .54xx*	45,282	70,000	37,000	70,000	72,000
Power	*" .5306*	3,712	4,000	4,000	4,000	4,000
Total Tanks & Reservoirs		299,360	375,000	273,000	387,000	409,000
TRANSMISSION & DISTRIBUTION						
Cost of Labor	*2050xxx.51xx*	805,358	1,001,000	809,000	980,000	1,097,000
Materials & Supplies	*" .53xx*	122,114	102,000	183,000	100,000	103,000
Outside Repair	*" .54xx*	129,585	112,000	93,000	115,000	118,000
Power	*" .5306*	8,327	9,000	9,000	9,000	9,000
Total Trans. & Dist.		1,065,384	1,224,000	1,094,000	1,204,000	1,327,000
SERVICES						
Cost of Labor	*2060xxx.51xx*	69,653	139,000	74,000	116,000	129,000
Materials & Supplies	*" .53xx*	34,093	32,000	35,000	27,000	28,000
Outside Repair	*" .54xx*	24,572	23,000	24,000	20,000	21,000
Total Services		128,318	194,000	133,000	163,000	178,000

WATER OPERATIONS BUDGET FOR THE YEAR ENDING JUNE 30, 2015

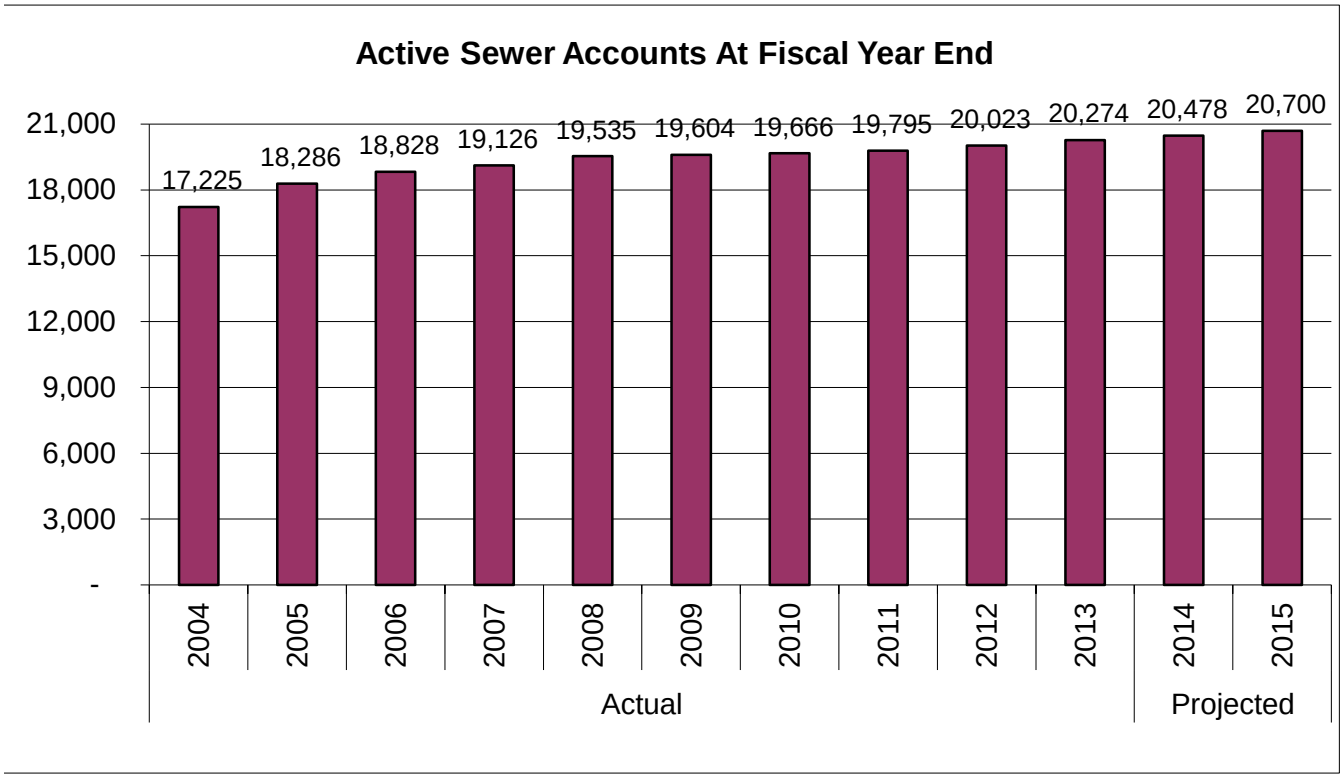
		Actual FY 12-13	Budget FY 13-14	Projected FY 13-14	Budget FY 14-15	Estimated FY 15-16
METERS						
Cost of Labor	*2070xxx.51xx*	$ 506,748	$ 545,000	$ 538,000	$ 570,000	$ 614,000
Material & Supplies	" *.53xx*	40,787	40,000	29,000	35,000	36,000
Outside Service/Repair	" *.54xx*	13,739	20,000	32,000	25,000	11,000
Total Meters		561,274	605,000	599,000	630,000	661,000
BACKFLOW PREVENTION						
Cost of Labor	*2080000.51xx*	73,432	59,000	71,000	59,000	63,000
Materials & Supplies	" *.53xx*	2,127	3,000	-	3,000	3,000
Total Backflow		75,559	62,000	71,000	62,000	66,000
CUSTOMER ACCOUNTS						
Cost of Labor	*4010000.51xx*	436,764	553,000	364,000	529,000	560,000
Materials & Supplies	" *.53xx*	73,313	75,000	64,000	72,000	74,000
Outside Service/Repair	" *.54xx*	22,254	55,000	14,000	112,000	40,000
Uncollectible Accts.	" *.5703*	84,551	101,000	32,000	65,000	67,000
Total Cust. Accts.		616,882	784,000	474,000	778,000	741,000
EQUIPMENT & VEHICLES						
Cost of Labor	*4210000.51xx*	97,791	108,000	97,000	121,000	135,000
Material & Supplies	" *.53xx*	58,694	52,000	39,000	50,000	51,000
Fuel	" *.5307*	118,673	130,000	107,000	120,000	125,000
Outside Repair	" *.54xx*	6,016	6,000	20,000	15,000	15,000
Total Equip. & Vehicles		281,174	296,000	263,000	306,000	326,000
BUILDING & GROUNDS						
Cost of Labor	*4110000.51xx*	195,385	142,000	186,000	114,000	128,000
Materials & Supplies	" *.53xx*	50,900	50,000	89,000	75,000	77,000
Outside Services	" *.54xx*	97,034	100,000	141,000	115,000	118,000
Power	" *.5306*	26,209	35,000	24,000	35,000	36,000
Total Bldg. & Grnd.		369,528	327,000	440,000	339,000	359,000
ENGINEERING						
Cost of Labor	*5010000.51xx*	1,172,516	1,293,000	1,114,000	1,355,000	1,356,000
Materials & Supplies	" *.53xx*	7,839	19,000	4,000	19,000	11,000
Outside Services	" *.54xx*	41,417	17,000	33,000	38,000	39,000
Total Engineering		1,221,772	1,329,000	1,151,000	1,412,000	1,406,000

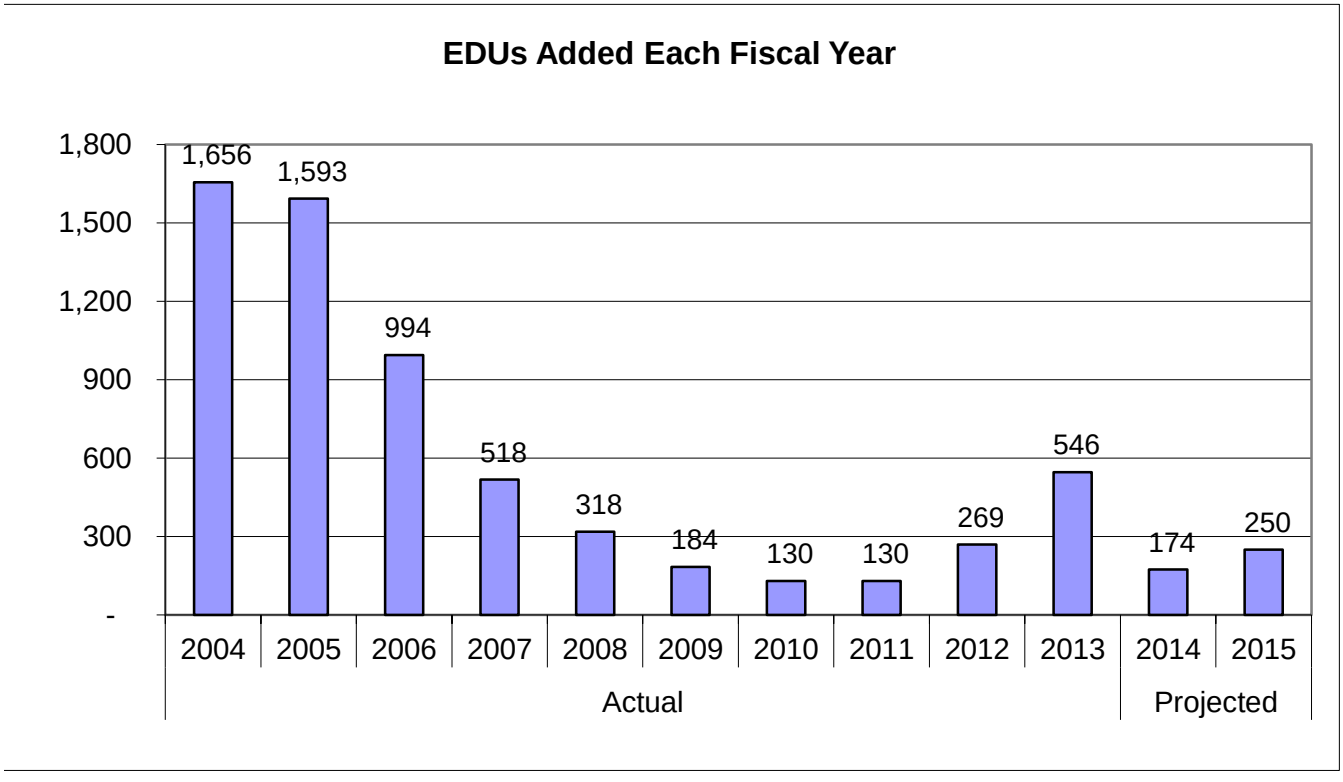
WATER OPERATIONS BUDGET FOR THE YEAR ENDING JUNE 30, 2015

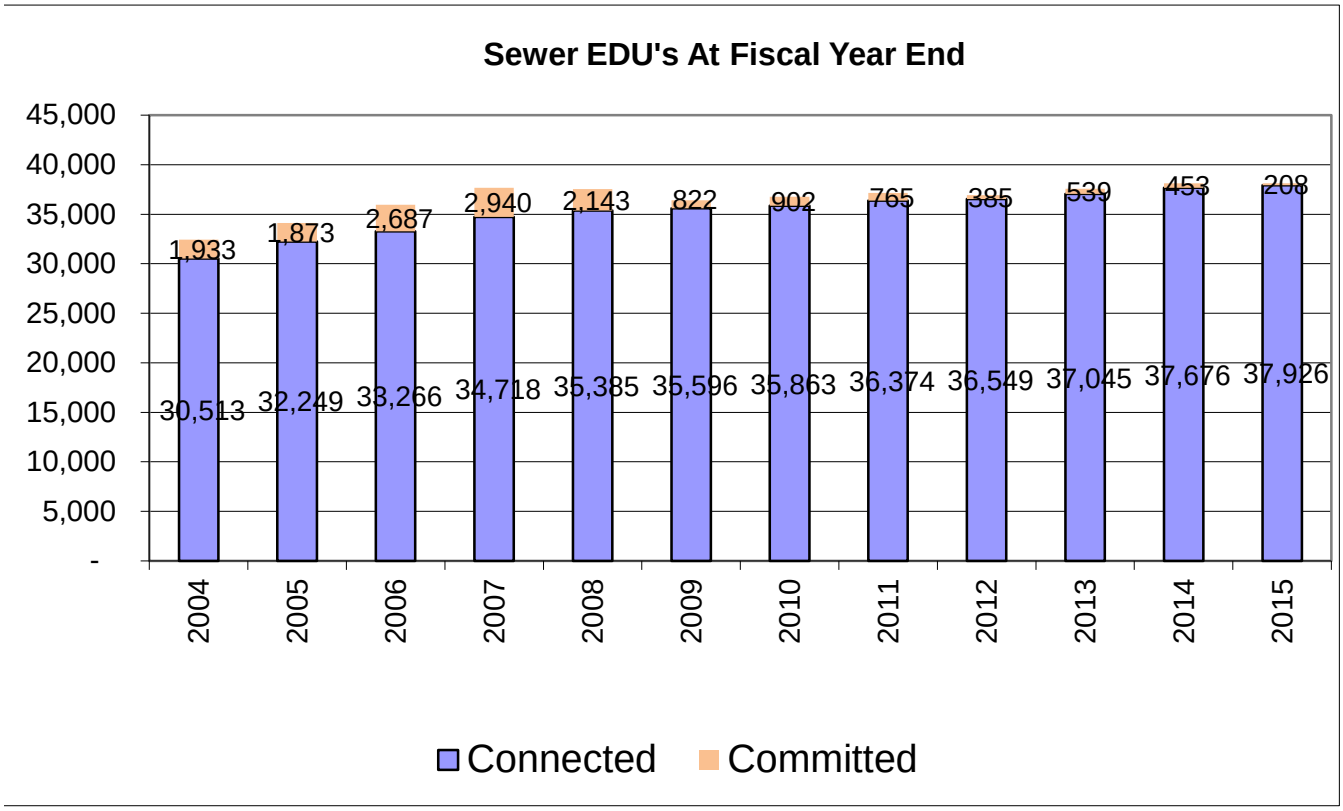
		Actual FY 12-13	Budget FY 13-14	Projected FY 13-14	Budget FY 14-15	Estimated FY 15-16
SAFETY & REG. AFFAIRS						
Cost of Labor	*5210000.51xx*	$ 192,472	$ 222,000	$ 172,000	$ 205,000	$ 223,000
Materials & Supplies	*" .53xx*	7,787	9,000	5,000	20,000	11,000
Safety Support	*" .54xx*	14,754	14,000	7,000	15,000	15,000
Total Safety		215,013	245,000	184,000	240,000	249,000
INFORMATION TECHNOLOGY						
Cost of Labor	*6230000.51xx*	275,835	378,000	283,000	384,000	418,000
Materials & Supplies	*" .53xx*	66,106	67,000	72,000	86,000	88,000
Outside Services	*" .54xx*	188,596	207,000	126,000	166,000	170,000
Total Information Tech		530,537	652,000	481,000	636,000	676,000
GENERAL & ADMINISTRATION						
Cost of Labor	*6xxxxxx.51xx*	2,680,056	2,422,000	2,546,000	2,618,000	2,897,000
Directors Fees	*" .5101*	32,614	72,000	57,000	64,000	66,000
District Insurance	*" .5201*	156,919	226,000	162,000	217,000	239,000
Travel	*" .5202*	6,333	10,000	8,000	10,000	10,000
Meetings & Seminars	*" .5203*	16,281	20,000	19,000	20,000	21,000
Dues & Subscriptions	*" .5204*	62,958	62,000	80,000	65,000	67,000
Directors Expenses	*" .5205*	42,107	40,000	35,000	45,000	46,000
Office Supplies	*" .5301*	36,344	50,000	25,000	45,000	46,000
Awareness/Conservation	*" .5303*	92,752	124,000	80,000	224,000	130,000
Postage	*" .5304*	4,559	2,000	1,000	3,000	3,000
Outside Services	*" .5401*	164,492	180,000	101,000	160,000	184,000
Legal	*" .5402*	209,947	175,000	133,000	175,000	179,000
Auditing	*" .5403*	16,125	26,000	20,000	26,000	30,000
Bank/Investment Svcs	*" .5501*	22,449	24,000	15,000	25,000	26,000
Regulatory Fees	*" .5502*	-	16,000	-	4,000	4,000
Election & Annexation	*" .5503*	4,392	5,000	-	5,000	5,000
Other/Reimbursements		(81,466)	17,000	1,000	10,000	10,000
Admin Credit Transfer.	*4702*	(226,388)	(330,000)	(404,000)	(683,000)	(766,000)
Total Gen. & Admin.		3,240,474	3,141,000	2,879,000	3,033,000	3,197,000
TOTAL EXPENSES		$31,324,184	$34,626,000	$ 32,435,000	$35,247,000	$39,104,000

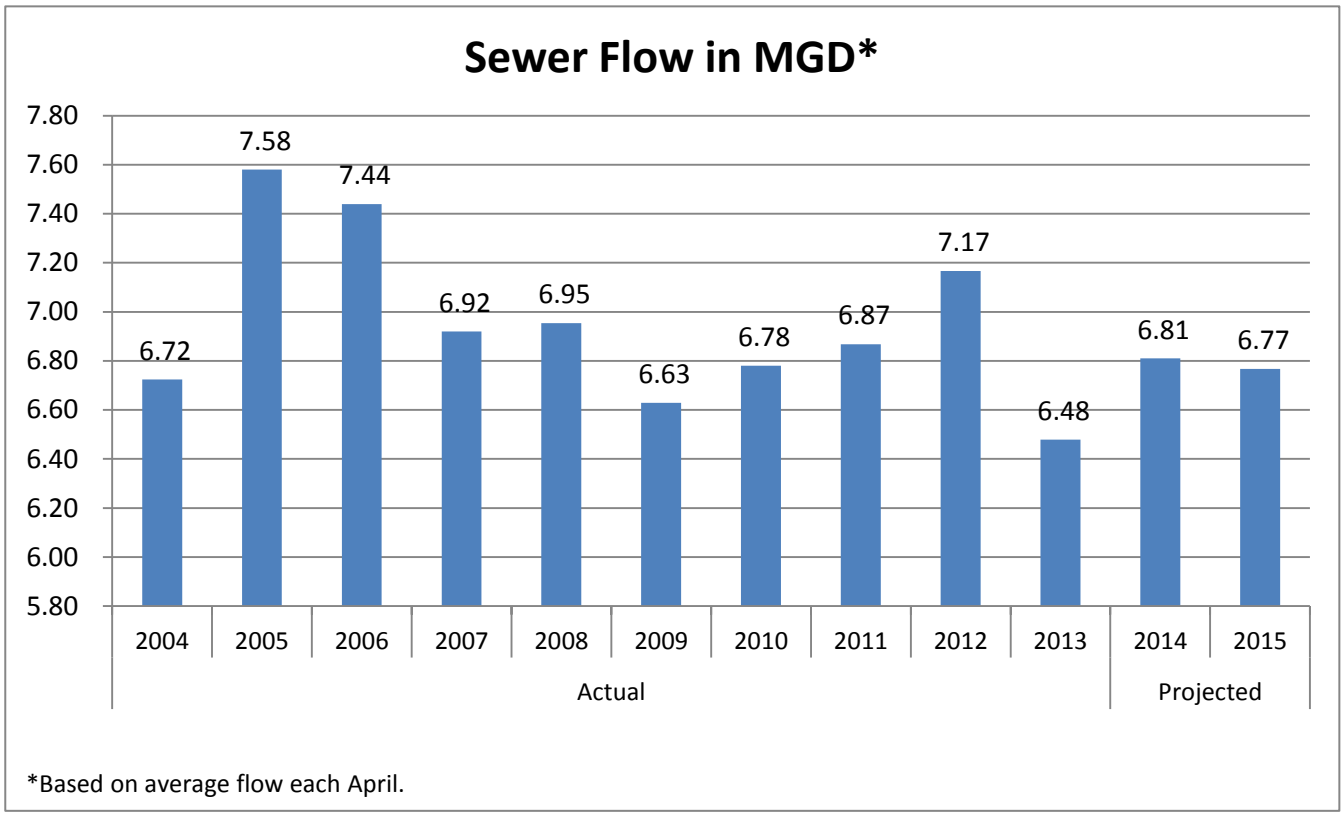
2014-2015 OPERATING BUDGET

WASTEWATER


Active Sewer Accounts At Fiscal Year End
21,000
18,000
15,000
12,000
9,000
6,000
3,000
-
17,225
18,286
18,828
19,126
19,535
19,604
19,666
19,795
20,023
20,274
20,478
20,700
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
Actual
Projected


EDUs Added Each Fiscal Year
1,800
1,500
1,200
900
600
300
-
1,656
1,593
994
518
318
184
130
130
269
546
174
250
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
Actual
Projected





*Based on average flow each April.

BUDGET FOR THE YEAR ENDING JUNE 30, 2015

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 to the Carlsbad Municipal Water District and the Olivenhain Municipal Water District on a cost recovery basis.

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, and OMWD including operation and maintenance of the plant, No. 1 Lift Station, and Mahr Reservoir.

Customer Accounts: Responds to customers, associated 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: All attributable sewer engineering, capital facilities and inspection costs.

BUDGET FOR THE YEAR ENDING JUNE 30, 2015

FUNCTION DEFINITIONS - WASTEWATER OPERATIONS (Continued)

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

General and Administrative
Cost of Labor:

- *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.

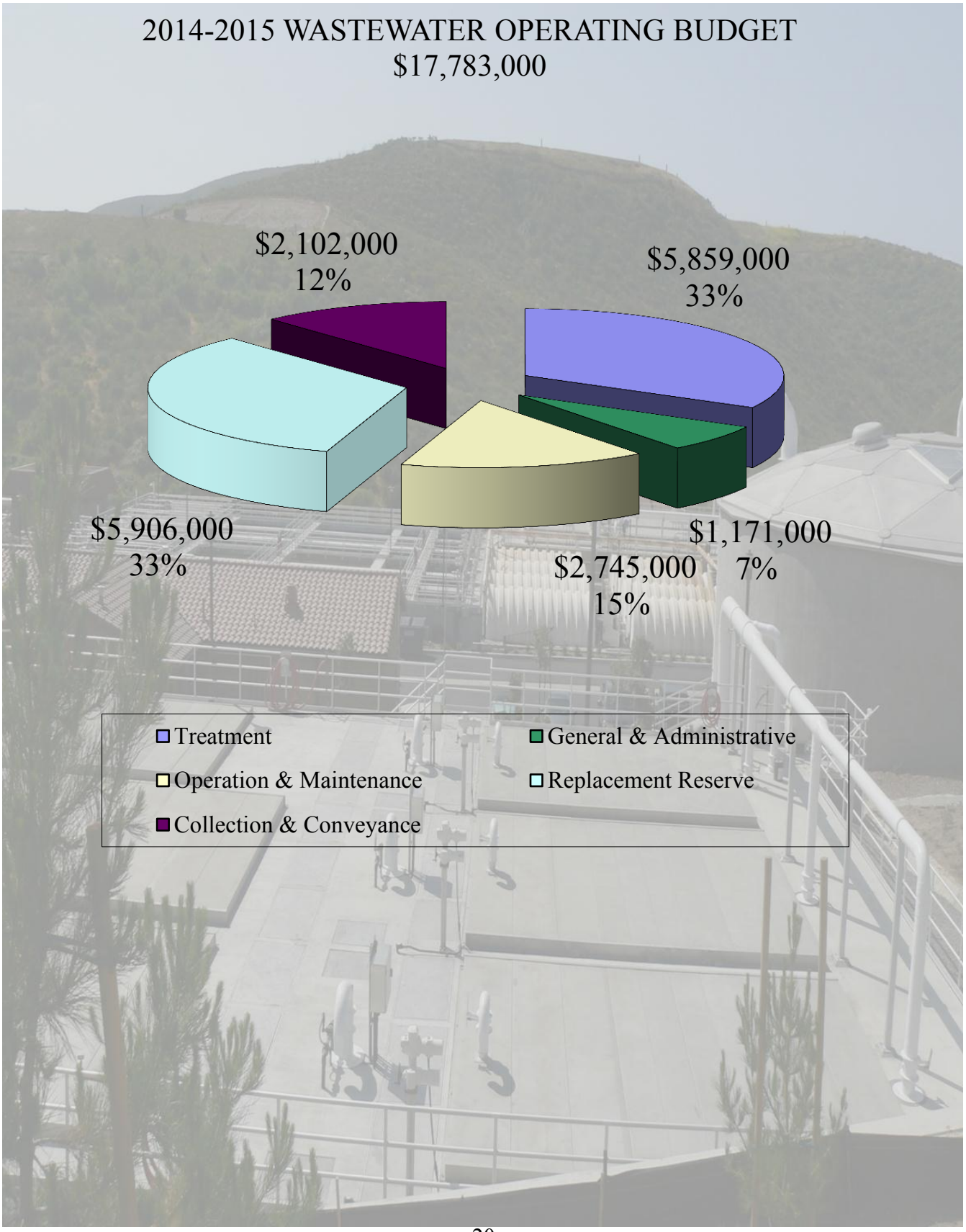
Travel costs for sewer personnel.

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

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

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

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


2014-2015 WASTEWATER OPERATING BUDGET
$17,783,000
$2,102,000
12%
$5,859,000
33%
$5,906,000
33%
$1,171,000
7%
$2,745,000
15%
Treatment
General & Administrative
Operation & Maintenance
Replacement Reserve
Collection & Conveyance

WASTEWATER OPERATIONS BUDGET FOR THE YEAR ENDING JUNE 30, 2015

		Actual FY 12-13	Budget FY 13-14	Projected FY 13-14	Budget FY 14-15	Estimated FY 15-16
OPERATING REVENUES						
Sewer Service	*4101*	$ 14,921,894	$ 14,962,000	$ 15,188,000	$ 16,061,000	$ 16,833,000
Reclaimed Water Sales	*4102*	1,718,013	1,615,000	1,338,000	1,648,000	1,659,000
Other	*Various*	73,093	88,000	83,000	74,000	75,000
Total Revenue		16,713,000	16,665,000	16,609,000	17,783,000	18,567,000
OPERATING EXPENSES						
Collection & Conveyance	*3010000*	1,637,362	1,913,000	1,625,000	2,102,000	2,229,000
Lift Stations	*3020000*	164,906	258,000	178,000	301,000	346,000
Peroxide Station	*3050000*	942	5,000	1,000	7,000	7,000
Source Control	*3060000*	101,240	300,000	169,000	189,000	199,000
Encina Disposal	*3070000*	2,709,307	2,589,000	2,498,000	2,612,000	2,690,000
Meadowlark Plant	*3410000*	2,777,837	3,266,000	2,872,000	3,247,000	3,188,000
Customer Accounts	*4010000*	269,397	330,000	328,000	477,000	428,000
Equipment & Vehicles	*4210000*	209,701	171,000	139,000	180,000	192,000
Buildings & Grounds	*4110000*	127,109	150,000	175,000	187,000	197,000
Engineering	*5010000*	481,587	726,000	509,000	812,000	636,000
Safety & Compliance	*5210000*	107,441	114,000	126,000	148,000	158,000
Information Technology	*6230000*	300,886	383,000	345,000	444,000	467,000
General & Admin.	*6xxx000*	1,161,867	1,301,000	1,139,000	1,171,000	1,217,000
Total Expense		10,049,582	11,506,000	10,104,000	11,877,000	11,954,000
OPERATING INCOME		6,663,418	5,159,000	6,505,000	5,906,000	6,613,000
LESS: TRANSFERS TO REPLACEMENT RESERVE		6,663,418	5,159,000	6,505,000	5,906,000	6,613,000
NET INCOME		$ -	$ -	$ -	$ -	$ -

WASTEWATER OPERATIONS BUDGET FOR THE YEAR ENDING JUNE 30, 2015

		Actual FY 12-13	Budget FY 13-14	Projected FY 13-14	Budget FY 14-15	Estimated FY 15-16
COLLECTION/CONVEYANCE						
Cost of Labor	*3010xxx.51xx*	$ 1,341,673	$ 1,537,000	$ 1,292,000	$ 1,621,000	$ 1,736,000
Materials & Supplies	" *.53xx*	60,457	112,000	87,000	159,000	163,000
Chemicals	" *.5350*	149,310	170,000	186,000	170,000	174,000
Outside Repair/Power	" *.5xxx*	85,922	94,000	60,000	152,000	156,000
Total Collection/Conveyance		1,637,362	1,913,000	1,625,000	2,102,000	2,229,000
LIFT STATIONS						
Cost of Labor	*3020xxx.51xx*	81,460	151,000	99,000	160,000	201,000
Materials & Supplies	" *.53xx*	22,736	32,000	32,000	33,000	34,000
Outside Repair/Service	" *.54xx*	25,864	40,000	10,000	70,000	72,000
Power	" *.5306*	34,846	35,000	37,000	38,000	39,000
Total Lift Stations		164,906	258,000	178,000	301,000	346,000
PEROXIDE STATION						
Cost of Labor	*3050000.51xx*	621	3,000	1,000	6,000	6,000
Outside Repair/Power	" *.5xxx*	321	2,000	-	1,000	1,000
Total Peroxide Sta.		942	5,000	1,000	7,000	7,000
SOURCE CONTROL						
Cost of Labor	*3060000.51xx*	80,010	238,000	132,000	140,000	149,000
Materials & Supplies	" *.53xx*	21,230	49,000	33,000	42,000	43,000
Outside Services	" *.54xx*	-	13,000	4,000	7,000	7,000
Total Industrial Waste		101,240	300,000	169,000	189,000	199,000
ENCINA DISPOSAL	*3070000.551*	2,709,307	2,589,000	2,498,000	2,612,000	2,690,000
MEADOWLARK LIFT STATION						
Cost of Labor	*3710000.51xx*	71,306	101,000	53,000	106,000	118,000
Material & Supplies	" *.53xx*	9,579	20,000	10,000	18,000	18,000
Chemicals	" *.5350*	211,969	240,000	265,000	240,000	246,000
Outside Repair	" *.54xx*	30,989	35,000	-	60,000	39,000
Power	" *.5306*	65,964	72,000	79,000	80,000	82,000
Total Lift Sta.		389,807	468,000	407,000	504,000	503,000

WASTEWATER OPERATIONS BUDGET FOR THE YEAR ENDING JUNE 30, 2015

		Actual FY 12-13	Budget FY 13-14	Projected FY 13-14	Budget FY 14-15	Estimated FY 15-16
MEADOWLARK PLANT						
Cost of Labor	*3410000.51xx*	$ 842,614	$ 983,000	$ 907,000	$ 939,000	$ 982,000
Materials & Supplies	" *.53xx*	188,870	288,000	280,000	280,000	240,000
Chemicals	" *.5350*	471,442	530,000	548,000	560,000	574,000
Outside Services	" *.54xx*	372,086	420,000	243,000	335,000	252,000
Power	" *.5306*	345,539	350,000	383,000	385,000	397,000
Telephone	" *.5305*	2,856	5,000	3,000	5,000	5,000
Total Meadowlark		2,223,407	2,576,000	2,364,000	2,504,000	2,450,000
MAHR RESERVOIR						
Cost of Labor	*3810000.51xx*	61,056	102,000	50,000	112,000	123,000
Materials & Supplies	" *.53xx*	68,946	50,000	21,000	15,000	15,000
Chemicals	" *.5350*	-	25,000	13,000	35,000	34,000
Outside Repair	" *.54xx*	28,478	35,000	7,000	65,000	51,000
Power	" *.5306*	6,143	10,000	10,000	12,000	12,000
Total Mahr Reservoir		164,623	222,000	101,000	239,000	235,000
CUSTOMER ACCOUNTS						
Cost of Labor	*4010000.51xx*	188,855	245,000	243,000	320,000	350,000
Materials & Supplies	" *.53xx*	47,811	45,000	57,000	49,000	45,000
Outside Services	" *.54xx*	14,903	18,000	13,000	93,000	18,000
Uncollectible Accts.	" *.5703*	17,828	22,000	15,000	15,000	15,000
Total Cust. Accts.		269,397	330,000	328,000	477,000	428,000
EQUIPMENT & VEHICLES						
Cost of Labor	*4210000.51xx*	46,965	70,000	60,000	83,000	93,000
Materials & Supplies	" *.53xx*	32,171	35,000	34,000	35,000	36,000
Fuel	" *.5307*	65,497	60,000	44,000	52,000	53,000
Outside Repair	" *.54xx*	65,068	6,000	1,000	10,000	10,000
Total Equip. & Veh.		209,701	171,000	139,000	180,000	192,000
BUILDING & GROUNDS						
Cost of Labor	*4110000.51xx*	60,245	75,000	76,000	82,000	89,000
Materials & Supplies	" *.53xx*	13,176	15,000	21,000	30,000	31,000
Outside Services	" *.54xx*	36,165	35,000	55,000	50,000	51,000
Power	" *.5306*	17,523	25,000	23,000	25,000	26,000
Total Building & Grounds		127,109	150,000	175,000	187,000	197,000
ENGINEERING						
Cost of Labor	*5010000.51xx*	481,587	517,000	497,000	598,000	602,000
Materials & Supplies	" *.53xx*	-	5,000	-	15,000	15,000
Outside Services	" *.54xx*	-	204,000	12,000	199,000	19,000
Total Engineering		481,587	726,000	509,000	812,000	636,000

WASTEWATER OPERATIONS BUDGET FOR THE YEAR ENDING JUNE 30, 2015

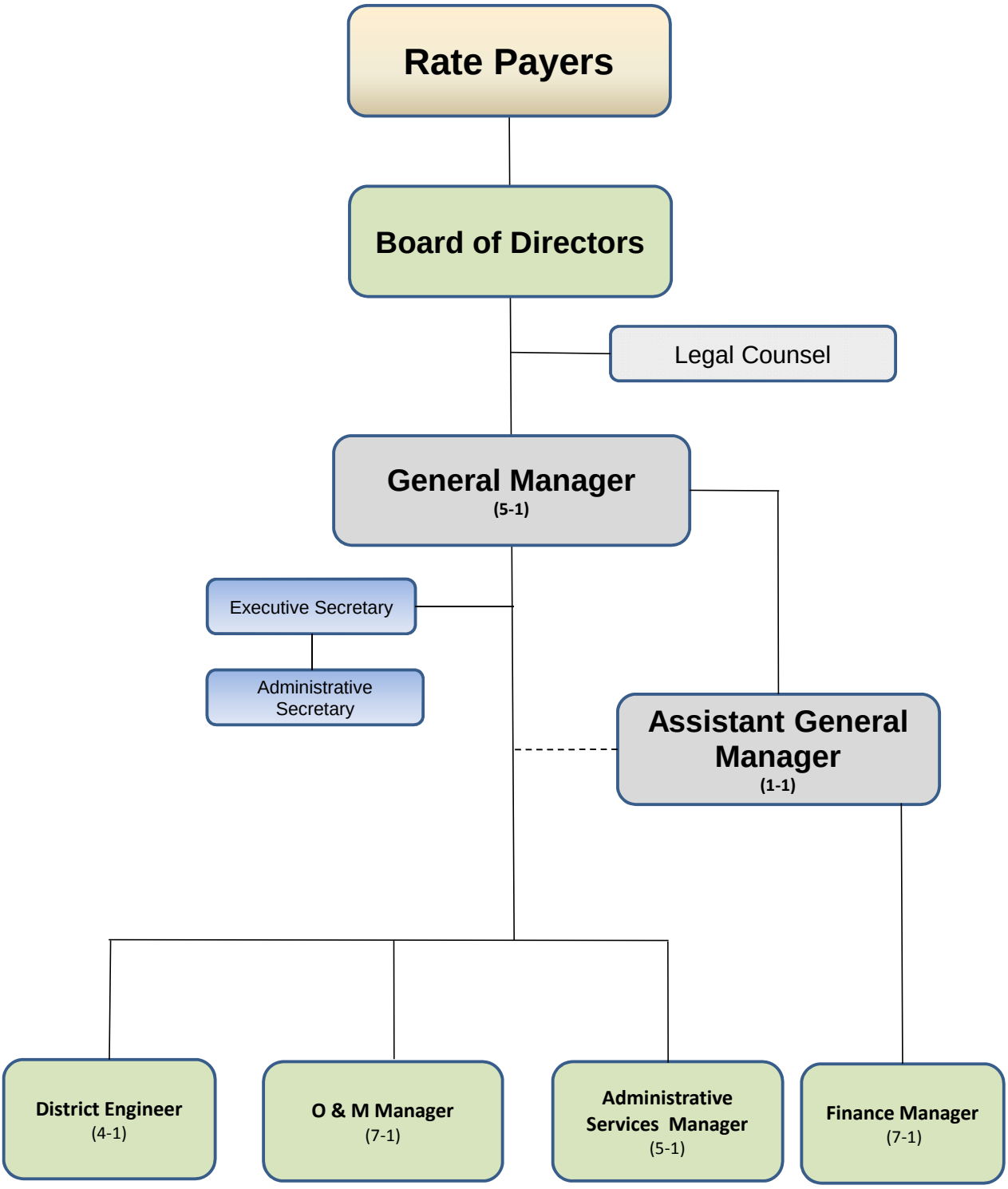
		Actual FY 12-13	Budget FY 13-14	Projected FY 13-14	Budget FY 14-15	Estimated FY 15-16
SAFETY & REGULATORY AFFAIRS						
Cost of Labor	*5210000.51xx*	$ 100,238	$ 98,000	$ 124,000	$ 115,000	$ 125,000
Materials & Supplies	*" .53xx*	859	6,000	1,000	19,000	19,000
Safety Support	*" .54xx*	6,344	10,000	1,000	14,000	14,000
Total Safety/Reg Affairs		107,441	114,000	126,000	148,000	158,000
INFORMATION TECH						
Cost of Labor	*6230000.51xx*	141,247	199,000	186,000	203,000	220,000
Materials & Supplies	*" .53xx*	46,062	46,000	53,000	82,000	84,000
Outside Services	*" .54xx*	113,577	138,000	106,000	159,000	163,000
Total Information Tech		300,886	383,000	345,000	444,000	467,000
GENERAL & ADMINISTRATION						
Cost of Labor	*6xxxxxx.51xx*	1,016,317	1,094,000	1,203,000	1,138,000	1,242,000
Directors Fees	*" .5101*	26,519	52,000	42,000	62,000	64,000
District Insurance	*" .5201*	104,613	175,000	137,000	172,000	188,000
Travel	*" .5202*	-	6,000	-	5,000	5,000
Meetings & Seminars	*" .5203*	-	14,000	-	14,000	11,000
Dues & Subscriptions	*" .5204*	318	2,000	-	2,000	2,000
Directors Expenses	*" .5205*	-	12,000	-	12,000	12,000
Office Supplies	*" .5301*	11,594	15,000	12,000	10,000	10,000
Postage	*" .5304*	-	2,000	1,000	2,000	2,000
Outside Services	*" .5401*	52,825	111,000	30,000	95,000	82,000
Legal	*" .5402*	191,232	150,000	133,000	150,000	154,000
Auditing	*" .5403*	8,550	13,000	18,000	15,000	18,000
Bank/Investment Svcs	*" .5501*	14,966	15,000	15,000	16,000	17,000
Regulatory Fees	*" .5502*	-	6,000	-	4,000	4,000
Election & Annexation	*" .5503*	-	2,000	-	-	-
Other	*" .5702*	(14,216)	2,000	-	2,000	3,000
Admin Credit Trans	*4702*	(250,851)	(370,000)	(452,000)	(528,000)	(597,000)
Total Gen. & Admin.		1,161,867	1,301,000	1,139,000	1,171,000	1,217,000
TOTAL EXPENSES		$ 10,049,582	$ 11,506,000	$ 10,104,000	$ 11,877,000	$ 11,954,000

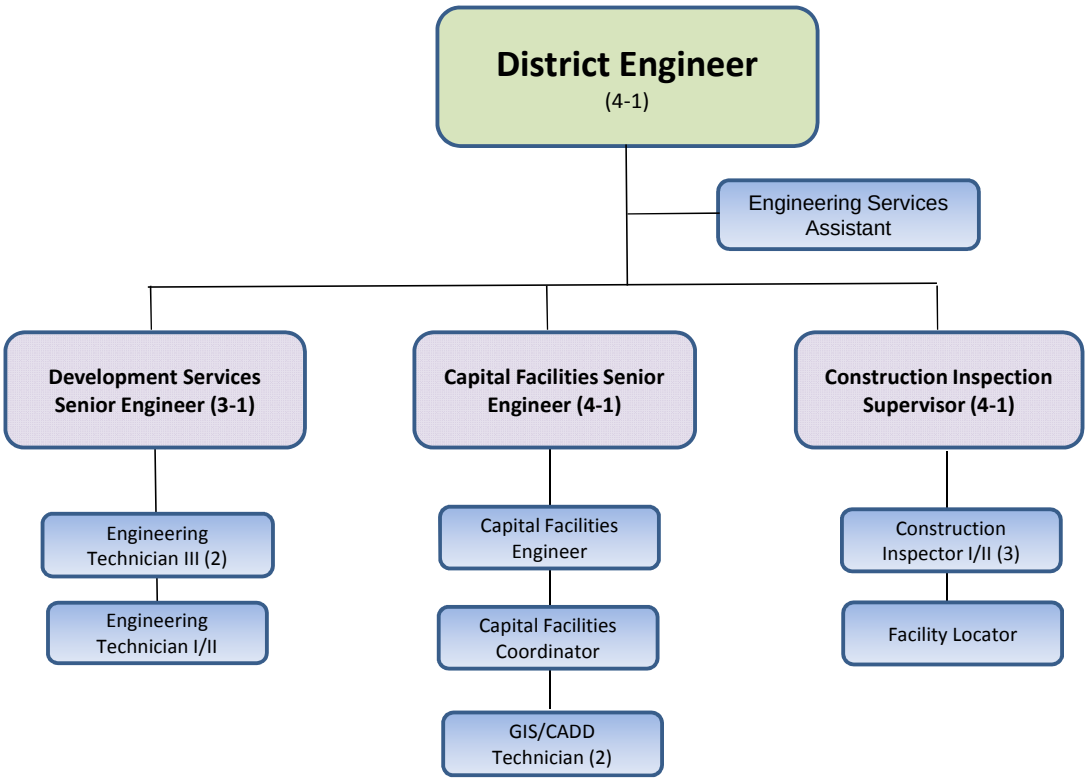
BUDGET FOR THE YEAR ENDING JUNE 30, 2015

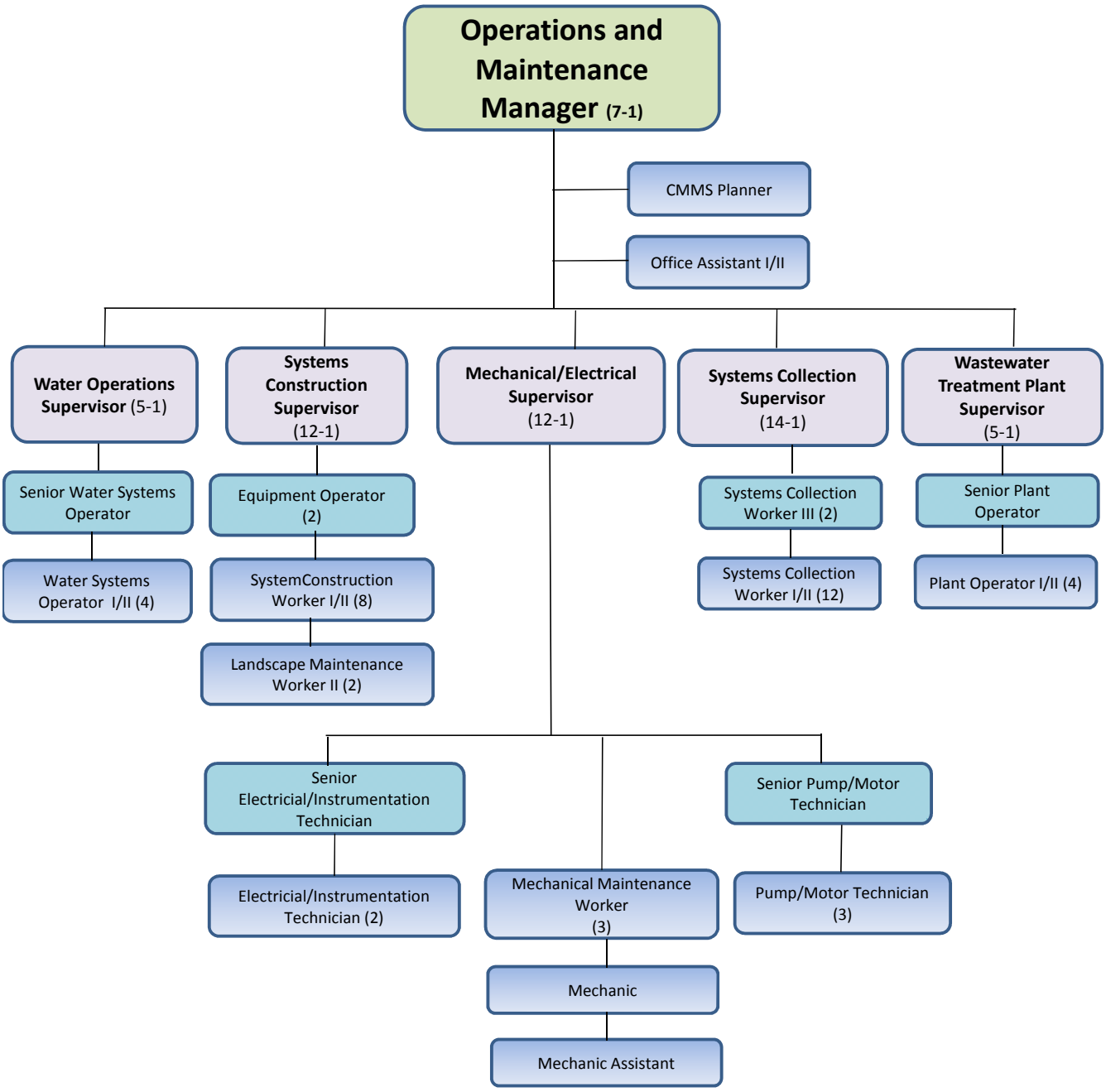
SALARY AND BENEFIT RECAP

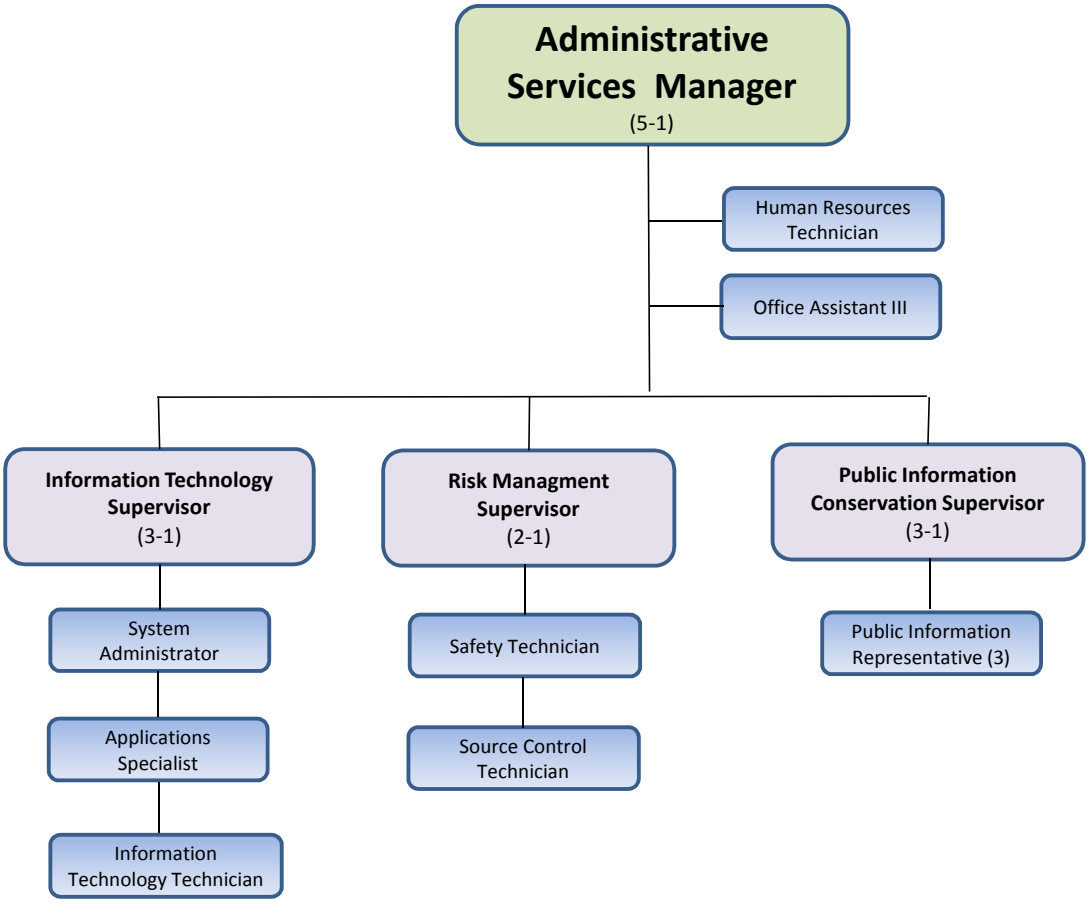
	Actual FY 12-13	Budget FY 13-14	Projected FY 13-14	Budget FY 14-15	Estimated FY 15-16
SALARIES					
Water Operations	$ 4,355,750	$ 4,600,000	$ 4,220,000	$ 4,915,000	$ 5,164,000
Wastewater Operations	2,681,279	3,276,000	2,964,000	3,550,000	3,696,000
Subtotal	7,037,029	7,876,000	7,184,000	8,465,000	8,860,000
Labor Posted to Work Orders*	463,609	579,000	575,000	621,000	699,000
TOTAL SALARIES	7,500,638	8,455,000	7,759,000	9,086,000	9,559,000
BENEFITS					
Public Employee Retirement	1,594,681	1,825,000	1,459,000	1,517,000	1,672,000
Group Insurance	1,576,851	2,290,000	2,234,000	2,456,000	2,911,000
Social Security	915,867	752,000	781,000	695,000	731,000
Workers' Comp Insurance	154,453	216,000	191,000	230,000	249,000
Other Taxes and Benefits	35,199	57,000	37,000	44,000	47,000
TOTAL BENEFITS	4,277,051	5,140,000	4,702,000	4,942,000	5,610,000
TOTAL SALARIES & BENEFITS	$ 11,777,689	$ 13,595,000	$ 12,461,000	$ 14,028,000	$ 15,169,000
Benefits as a Percentage of Salaries	57.0%	60.8%	60.6%	54.4%	58.7%
Operations	49.0	54.0	53.0	56.0	57.0
Engineering	15.0	16.0	13.0	16.0	18.0
Finance	22.0	23.0	23.0	25.5	25.5
Administration	17.5	20.5	19.5	18.0	18.0
Total Funded FTEs	103.5	113.5	108.5	115.5	118.5

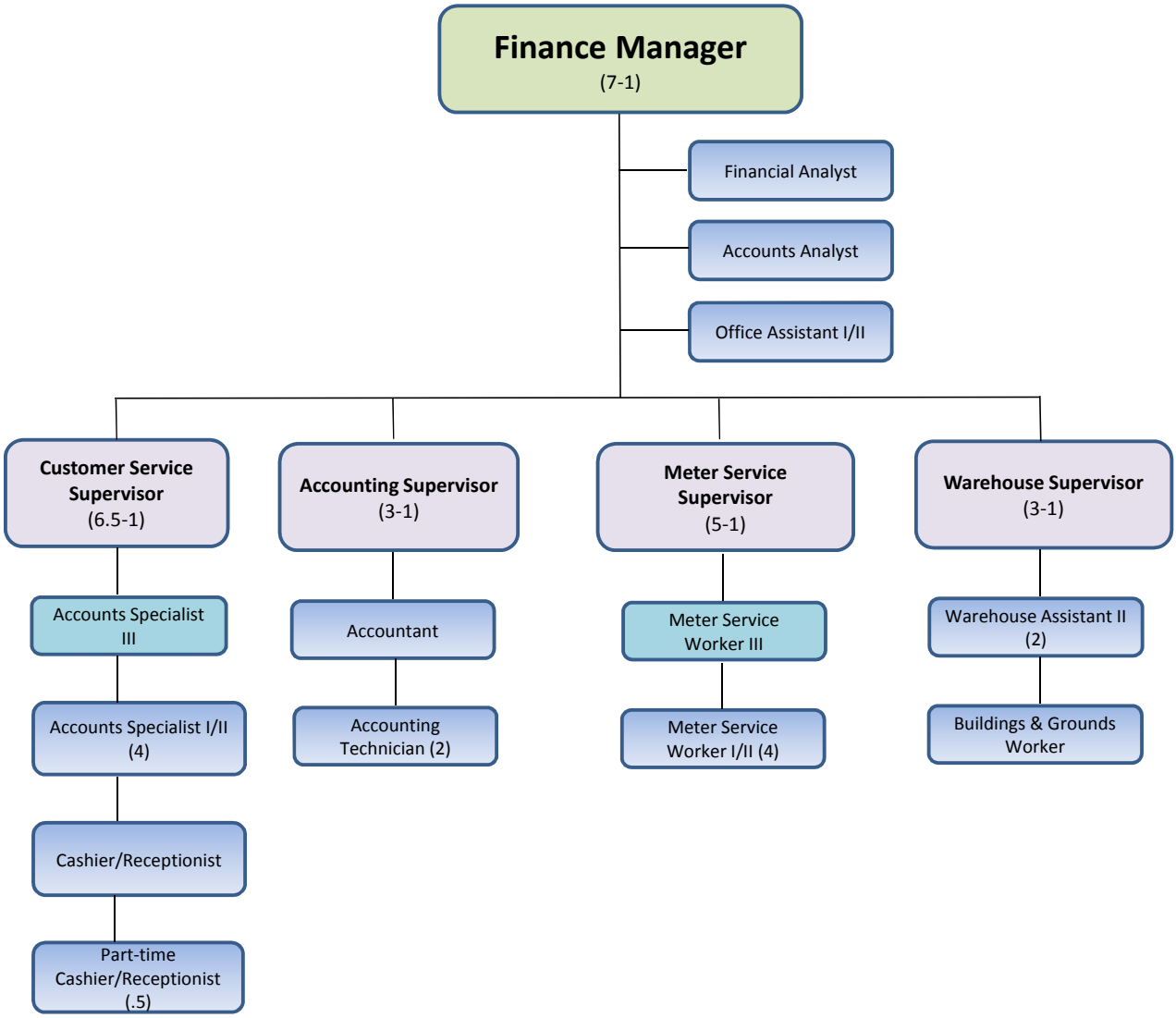
* There is also a labor overhead charge to work orders to cover benefit costs which are a part of the credit in the General and Administration sections of Water and Wastewater operations.


Rate Payers
Board of Directors
Legal Counsel
General Manager
(5-1)
Executive Secretary
Administrative Secretary
Assistant General Manager
(1-1)
District Engineer
(4-1)
O & M Manager
(7-1)
Administrative Services Manager
(5-1)
Finance Manager
(7-1)


District Engineer
(4-1)
Engineering Services Assistant
Development Services Senior Engineer (3-1)
Capital Facilities Senior Engineer (4-1)
Construction Inspection Supervisor (4-1)
Engineering Technician III (2)
Engineering Technician I/II
Capital Facilities Engineer
Capital Facilities Coordinator
GIS/CADD Technician (2)
Construction Inspector I/II (3)
Facility Locator


Operations and Maintenance Manager (7-1)
CMMS Planner
Office Assistant I/II
Water Operations Supervisor (5-1)
Systems Construction Supervisor (12-1)
Mechanical/Electrical Supervisor (12-1)
Systems Collection Supervisor (14-1)
Wastewater Treatment Plant Supervisor (5-1)
Senior Water Systems Operator
Water Systems Operator I/II (4)
Equipment Operator (2)
SystemConstruction Worker I/II (8)
Landscape Maintenance Worker II (2)
Systems Collection Worker III (2)
Systems Collection Worker I/II (12)
Senior Plant Operator
Plant Operator I/II (4)
Senior Electricial/Instrumentation Technician
Electricial/Instrumentation Technician (2)
Mechanical Maintenance Worker (3)
Mechanic
Mechanic Assistant
Senior Pump/Motor Technician
Pump/Motor Technician (3)


Administrative Services Manager
(5-1)
Human Resources Technician
Office Assistant III
Information Technology Supervisor
(3-1)
System Administrator
Applications Specialist
Information Technology Technician
Risk Managment Supervisor
(2-1)
Safety Technician
Source Control Technician
Public Information Conservation Supervisor
(3-1)
Public Information Representative (3)


Finance Manager
(7-1)
Financial Analyst
Accounts Analyst
Office Assistant I/II
Customer Service Supervisor
(6.5-1)
Accounts Specialist III
Accounts Specialist I/II
(4)
Cashier/Receptionist
Part-time Cashier/Receptionist
(.5)
Accounting Supervisor
(3-1)
Accountant
Accounting Technician (2)
Meter Service Supervisor
(5-1)
Meter Service Worker III
Meter Service Worker I/II (4)
Warehouse Supervisor
(3-1)
Warehouse Assistant II
(2)
Buildings & Grounds Worker

2014-15 PERSONNEL BUDGET

POSITIONS/PERSONNEL:

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

RECLASSIFICATIONS:

An overall evaluation of efficiencies created the need to reclassify a full-time Office Assistant position and a part-time Office Assistant to a full-time Receptionist/Cashier and a part-time Receptionist/Cashier and move the positions from the Administrative Services department into the Customer Service department. The part-time position is funded in this budget but hiring will not commence unless the position is absolutely needed.

NEW POSITIONS:

Public Information Representative - Estimated annual Cost $65,600 plus benefits

This position will provide added support to the Public Information department specifically in the areas of social media, website management and digital image management. This includes coordinating writing, editing, photography, posting of material as needed as well as managing vendors and professional service contracts of new or existing websites. This position will also be tasked with assisting in the establishment and maintenance of the District's brand.

Pump and Motor Technician I/II - Estimated Annual Cost: $70,400 plus benefits

This position will ensure the required scheduled maintenance, repairs and inspecting/testing of pumps, motors, air compressors, generators, actuators and ventilation equipment will be performed. As equipment throughout the District deteriorates, this position will be greatly needed to assist with repairs and maintenance. This position is budgeted for four months of the fiscal year.

Mechanical Maintenance Worker I/II - Estimated Annual Cost: $56,600 plus benefits

This position is needed to perform maintenance on the cathodic protection test sites and assist with maintenance throughout the District. As the District's potable water system grows, this growth will add more sites requiring maintenance and the current Mechanical/Electrical Maintenance Workers are carrying a full workload. Also, as the District's facilities continue to age, more staff time will be required to maintain these facilities. This position is budgeted for four months of the fiscal year.

VALLECITOS WATER DISTRICT

2014-15 PUBLIC AWARENESS AND CONSERVATION PROGRAM BUDGET

REBATE PROGRAMS * Prj 2015100036 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 2015100037 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; advertising; cost to participate in community events; employee education; and to provide tours of District facilities. Includes cost to produce and mail Splash! newsletters, consumer confidence report, brochures, bill inserts, special hearing notifications, and others as needed. 63,000

VIDEO PRODUCTION Prj 2015100038 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 topics to include overview of VWD and Meadowlark Water Reclamation Facility. If time allows, additional topics to include Landscape Irrigation Audit program and sustainable garden. 6,000

EDUCATION Prj 2015100039 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 (4th grade calendar/poster contest), such as the purchase of calendars, entry forms, prizes for entrants and poster contest winners. Also includes participation in Palomar College GEAR UP program. 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 2015100040 W/O 117452

For participation in cost-sharing programs such as residential surveys; large property audits, which are outsourced due to extensive staff time that would be required; customer service surveys; and supplies such as dye tablets, showerheads and moisture probes. 6,000

WATERWISE LANDSCAPE Prj 2015100041 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. 23,000

MEMBERSHIPS & EQUIPMENT Prj 2015100042 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 2015100043 W/O 117455

To assist large commercial and public agency customers by providing workshops, written materials, monetary incentives, and using outside consultants. 2,000

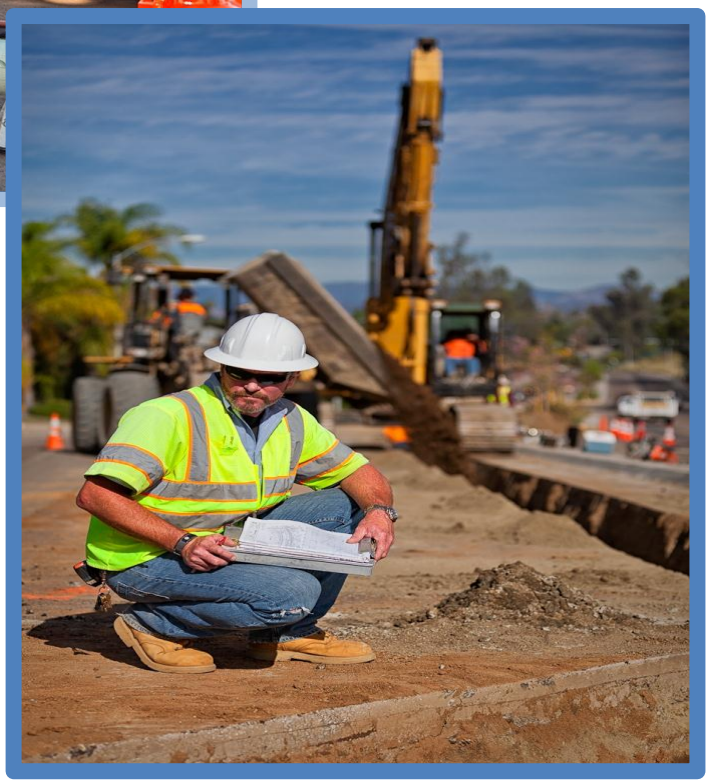
BRANDING CONSULTING Prj 2015100044 W/O TBA

Consulting services to assist the District through a process to create brand awareness. 100,000

TOTAL PUBLIC AWARENESS/CONSERVATION PROGRAM BUDGET **$ 224,000**

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

2014-2015 CAPITAL BUDGET



VALLECITOS WATER DISTRICT

Comprehensive Project List

Page Number	Project Number	Project Title	Funding Source	Previous Budget & Amendments	Estimated Amt Expended @ 6/30/14	Fiscal Year 2014-15 Carryforward	Fiscal Year 2014-15 New Request
Carryover Projects							
36	90001	Encina Land Parallel Outfall	220	$ 28,150,000	$ 140,000	$ 28,010,000	$ -
37	71004	San Marcos interceptor sewer	210&220	18,650,000	13,950,000	4,700,000	-
38	2013100001	Coronado Hills Tank #2	120	6,000,000	-	6,000,000	-
39	71084	Meadowlark Tank #3	110&120	4,434,000	500,000	3,934,000	-
40	71219	Mountain Belle Pump Station & Pipeline Design	120	3,860,000	100,000	3,760,000	-
41	2010100002	Linda Vista Sewer East	210&220	2,750,000	820,000	1,930,000	-
42	2013100004	MRF Solids Force Main Replacement	210	1,510,000	250,000	1,260,000	240,000
43	2014100001	Encina Wastewater Auth FY 13/14	210	1,684,000	814,000	870,000	-
44	90003	Rock Springs Sewer Replacement	210	1,345,000	260,000	1,085,000	250,000
45	2014100002	Northwest Lake San Marcos Sewer Replacement	210	1,500,000		1,500,000	-
46	2013100530	San Elijo Hills Pump Station	120	1,093,000	350,000	743,000	257,000
47	2013100005	Montiel Lift Station Replacement	210&220	1,200,000	1,000	1,199,000	-
48	71077	Questhaven Basin Water and Sewer Facilities	120&220	875,000	642,000	233,000	57,000
49	80001	Old Questhaven Sewer Replacement	210&220	835,000	1,000	834,000	-
50	2014100003	Water and Sewer Master Plan	120&220	750,000	100,000	650,000	50,000
51	71025	Wulff Pressure Reducing Station	110	790,000	1,200,000	(410,000)	-
52	2014100005	Desalinated Water Connection	120	400,000	40,000	360,000	240,000
53	2013100006	High Point Pipeline	120	700,000	-	700,000	-
54	2012100002	Richland Invert Replacement	210&220	675,000	10,000	665,000	-
55	90007	City of San Marcos Joint Projects	110&210	175,000	47,000	128,000	465,000
56	2014100004	Asset Management Replacement Schedule	110&210	600,000	-	600,000	-
57	71126	Vulnerability Assessment Improvements	120&220	591,000	149,000	442,000	-
58	2010100004	Annual Sewer Replacement and I & I Repairs	210	-	-	-	550,000
59	2012100001	Annual Steel Tank MLK No. 1 & 2 Refurbishment	110	655,500	280,000	375,500	-
60	2014100006	Twin Oaks Reservoir Generation of Sodium Hypochlorite	110	160,000	-	160,000	390,000
61	2012100006	District-wide Valve Replacement Program	110	321,000	364,000	(43,000)	199,000
62	2010100003	Environmental Mitigation Property	120&220	460,000	60,000	400,000	-
63	80009	Trioxyn Injection Station	220	400,000	2,000	398,000	-
64	71081	South Lake Dam Sluice Gate	110	275,000	45,000	230,000	20,000
65	2013100533	Lift Station 1 Pump Improvements	210&220	196,000	110,000	86,000	76,000
66	71177	Land Outfall Clearing & Access Road	210	200,000	28,000	172,000	50,000
67	2012100004	Tertiary Filter Media	210	183,800	-	183,800	36,200
68	2014100716	Knoll Road Sewer Replacement	210	175,000	30,000	145,000	-
69	2014100717	San Marino and Hermosita Sewer Replacement	210	170,000	110,000	60,000	-
70	2014100008	North Vista Pressure Reducing Station Upgrade	110	120,000	25,000	95,000	45,000
71	2014100007	South Vista Pressure Reducing Station Upgrade	110	150,000	27,000	123,000	12,000
72	2012100008	HVAC Improvements	110&210	73,000	-	73,000	55,000
73	2014100009	Vallecitos VII B - Meter Upgrade	110	100,000	-	100,000	-
74	2013100010	MRF Telescoping Valve Control	210	70,000	85,000	(15,000)	27,000
75	2014100011	MRF Primary Clarifiers Skimmer Controls Upgrade	210	75,000	69,000	6,000	20,000
76	2014100010	Sewer Flow Trending Meter Replacement	210	90,000	14,000	76,000	-
77	2013100013	MRF Refurbish 3-Stage Vertical Turbine Effluent Pump	210	45,000	52,400	(7,400)	35,000
78	2014100012	Palos Vista Pump Station Refurbish & Upgrade	110	60,500	27,300	33,200	12,500
79	2013100012	MRF Headworks Building Hoist System	210	45,000	-	45,000	15,000
80	2013100011	MRF Tertiary Filter Valve Actuator Controls	210	50,000	13,200	36,800	6,000
81	2013100014	MRF Secondary Clarifier Flight Drive w/VFD	210	40,500	28,000	12,500	2,500
82	2012100015	Effluent Piping Check Valves (2)	210	40,000	30,000	10,000	
83	2013100026	ELAP Certification for Water Operations Lab	120	8,000	-	8,000	27,000
84	2013100017	SCADA Radio Antenna Masts	110	28,000	14,000	14,000	-
85	2013100018	MRF Removal of Control Panel 1	210	22,000	-	22,000	-
86	2014100022	1208 Valve Cans and Lids Upgrade	110	17,500	2,500	15,000	-
87	2014100026	B.O. Gate Valve Upgrades	110	7,000	-	7,000	-
				$ 82,804,800	***$ 20,790,400***	***$ 62,014,400***	***$ 3,137,200***
New Projects							
88	2015100001	Encina Wastewater Auth 5 Year Cap Plan	210				15,702,000
89	2015100002	Audiovisual Upgrade	110&210				500,000
90	2015100003	Mahr Reservoir Chlorine Injection System	250				375,000
91	2015100004	Master PLC Replacement & Programming Updates	110&210				160,000
92	2015100005	Lift Station 1 Wet Well Carbon Scrubber	210				111,000
93	2015100006	Mechanical/Electrical Department Offices	110&210				100,000
94	2015100007	Nitrate Monitoring Meters	250				75,000
95	2015100008	Lake San Marcos Lift Station Surge Tank	210				55,000
96	2015100009	Double Peak Pump Station Refurbish Pumps	110				48,000
97	2015100010	Lift Station 1 Perimeter Fencing	210				45,000
98	2015100011	Vactor Offloading Station Modification	220				40,000
99	2015100012	Questhaven Lift Station Wet Well Aeration	210				40,000
100	2015100013	Chlorine Injection System	250				38,000
101	2015100014	Office Space Improvements (Information Technology)	110&210				30,000
102	2015100015	Roughing Filter Motors	210				29,000
103	2015100016	South Lake Pump Station Refurbish Pumps 1 & 2	110				26,000
104	2015100017	Richland I Tank Altitude Control Valve	110				25,000
105	2015100018	Constant Speed Aeration Blower	210		-		16,000
106	2015100019	Polymer Injection System	250				15,000
107	2015100020	Double Peak Tank Chlorine Injection System	110				15,000
108	2015100021	Palomar Tank Seismic Sensor System	110				10,000
109	2015100022	Mahr Reservoir Sample Station Dock	250				10,000
110	TBA	Future Projects	110&210			-	2,625,000
				$ -	***$ -***	***$ -***	***$ 20,090,000***
				$ 82,804,800	***$ 20,790,400***	***$ 62,014,400***	***$ 23,227,200***
						$85,241,600	

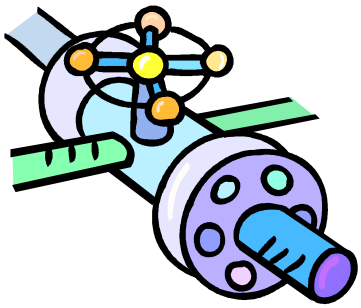
VALLECITOS WATER DISTRICT

Comprehensive Project List

Project Total	Spending by Fiscal Year						Page Number
	2014-15	2015-16	2016-17	2017-18	2018-19	2019 to 2030	
$ 28,150,000	$ 310,000	$ 300,000	$ 300,000	$ 300,000	$ 300,000	$ 26,500,000	36
18,650,000	450,000	2,650,000	1,600,000	-	-	-	37
6,000,000	-	-		50,000	690,000	5,260,000	38
4,434,000	-	-	-	-	-	3,934,000	39
3,860,000	-	-	-	-	-	3,760,000	40
2,750,000	2,165,000	(235,000)					41
1,750,000	1,500,000						42
1,684,000	870,000						43
1,595,000	635,000	700,000					44
1,500,000		70,000	330,000	1,100,000		-	45
1,350,000	1,000,000						46
1,200,000		109,000	360,000	730,000			47
932,000	290,000	-					48
835,000	-	-	-		-	834,000	49
800,000	400,000	300,000					50
790,000	-	240,000	(650,000)				51
640,000	350,000	250,000					52
700,000	-	-	700,000				53
675,000	60,000	70,000	200,000	335,000			54
640,000	80,000	13,000	500,000				55
600,000		300,000	300,000				56
591,000	442,000						57
550,000	150,000	100,000	100,000	100,000	100,000		58
655,500	375,500						59
550,000	550,000						60
520,000	156,000						61
460,000	50,000	50,000	100,000	100,000	100,000		62
400,000	-	178,000	220,000				63
295,000	250,000						64
272,000	500,000	(338,000)					65
250,000	222,000	-	-				66
220,000	25,000	195,000					67
175,000	145,000						68
170,000	60,000	-					69
165,000	140,000						70
162,000	135,000						71
128,000	128,000						72
100,000	100,000						73
97,000	12,000						74
95,000	26,000						75
90,000	22,000	18,000	18,000	18,000			76
80,000	27,600						77
73,000	15,700	15,000	15,000				78
60,000	-	60,000					79
56,000	14,000	14,300	14,500				80
43,000	15,000		-				81
40,000	10,000						82
35,000	35,000	-	-	-	-	-	83
28,000	14,000	-					84
22,000	22,000						85
17,500	5,000	5,000	5,000				86
7,000	7,000	-	-	-	-	-	87
$ 85,942,000	***$ 11,763,800***	***$ 5,064,300***	***$ 4,112,500***	***$ 2,733,000***	***$ 1,190,000***	***$ 40,288,000***	
15,702,000	2,375,000	3,350,000	3,325,000	3,367,000	3,285,000		88
500,000	150,000	350,000					89
375,000	375,000						90
160,000	160,000						91
111,000	86,000	25,000					92
100,000	100,000						93
75,000	25,000	25,000	25,000				94
55,000	55,000						95
48,000	48,000						96
45,000	45,000						97
40,000	40,000						98
40,000	40,000						99
38,000	38,000						100
30,000	30,000						101
29,000	29,000						102
26,000	26,000						103
25,000	25,000						104
16,000	16,000						105
15,000	15,000						106
15,000	15,000						107
10,000	10,000					-	108
10,000	10,000						109
2,625,000	-	365,000	900,000	1,360,000	-	-	110
$ 20,090,000	***$ 3,713,000***	***$ 4,115,000***	***$ 4,250,000***	***$ 4,727,000***	***$ 3,285,000***	***$ -***	
$ 106,032,000	***$ 15,476,800***	***$ 9,179,300***	***$ 8,362,500***	***$ 7,460,000***	***$ 4,475,000***	***$ 40,288,000***	

Capital Improvement Program
Encina Parallel Land Outfall

Description: This project calls 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 and 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 14/15	FY 15/16	FY 16/17	FY 17/18	Thereafter	Total
Planning	$140,000	$160,000					$300,000
Design		$150,000	$300,000	$300,000	$300,000	$1,800,000	$2,850,000
Construction						$25,000,000	$25,000,000
Total	$140,000	$310,000	$300,000	$300,000	$300,000	$26,800,000	**$28,150,000**

FY 14/15 Budget Request - $0

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2008	January-2009	June-2014	July-2014	June-2017	July-2016	June-2020	June-2020

Capital Improvement Program
San Marcos Interceptor

Description: The project consists of three separate phases constructing approximately 9,000 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. Design and land acquisition will move forward in FY 13/14 for the last phase between Via Vera Cruz and Pacific Street in order to be consistent with the future road within the creek district.

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 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning	$750,000	$150,000	$125,000	$25,000			$1,050,000
Design	$2,500,000	$300,000	$25,000	$25,000			$2,850,000
Construction	$10,700,000		$2,500,000	$1,550,000			$14,750,000
Total	$13,950,000	$450,000	$2,650,000	$1,600,000	$0	$0	**$18,650,000**

FY 14/15 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	July-2016	June-2017	June-2017

Capital Improvement Program
Coronado Hills Tank #2

Description: Build-out demands for the 1530, 1115 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 14/15	FY 15/16	FY 16/17	FY 17/18	Thereafter	Total
Planning				$50,000			$50,000
Design					$690,000		$690,000
Construction						$5,260,000	$5,260,000
Total	$0	$0	$0	$50,000	$690,000	$5,260,000	**$6,000,000**

FY 14/15 Budget Request - $0

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-2018		

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 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	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	$0	$3,934,000	**$4,434,000**

FY 14/15 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-2018		

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
Work Order: 71219 (207504)

Funding Source: 100% Fund 120 – Water Capacity

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 14/15	FY 15/16	FY 16/17	FY 17/18	Thereafter	Total
Planning	$10,000						$10,000
Design	$90,000					$310,000	$400,000
Construction						$3,450,000	$3,450,000
Total	$100,000	$0	$0	$0	$0	$3,760,000	**$3,860,000**

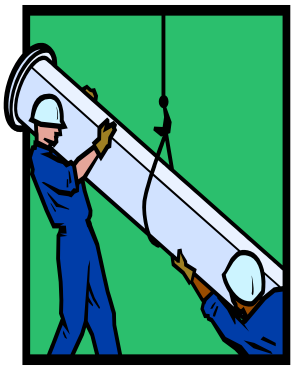
FY 14/15 Budget Request - $0

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2006	August-2006	February-2007	February-2007	April-2019	July-2019	Jully 2020	July-2020

Capital Improvement Program
Linda Vista Sewer East

Description: This project calls for the upsizing of approximately 3,600 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. A 740 foot section of the alignment is subject to partial reimbursement by the City of San Marcos.

Operations Impact: Annual and routine sewer pipeline maintenance

Project Spending Plan

Project Phase	Previous FY Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning	$5,000						$5,000
Design	$335,000						$335,000
Construction	$480,000	$2,165,000	-$235,000				$2,410,000
Total	$820,000	$2,165,000	-$235,000	$0	$0	$0	**$2,750,000**

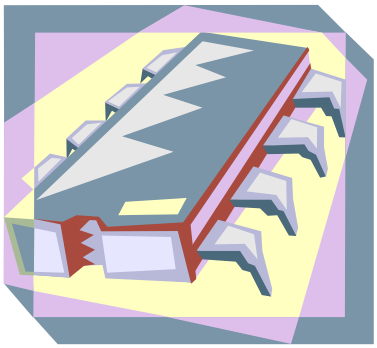
FY 14/15 Budget Request - $0

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2009	January-2010	March-2010	April-2010	June-2013	June-2013	October-2014	July-2015

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 a new 7,300-foot section of PVC pipeline from the Meadowlark Reclamation Facility through Melrose Drive to Poinsettia Lane.



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 and reduced energy usage. Annual and routine pipeline maintenance is expected with the completion of this project.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning	$50,000						$50,000
Design	$200,000						$200,000
Construction		$1,500,000					$1,500,000
Total	$250,000	$1,500,000	$0	$0	$0	$0	**$1,750,000**

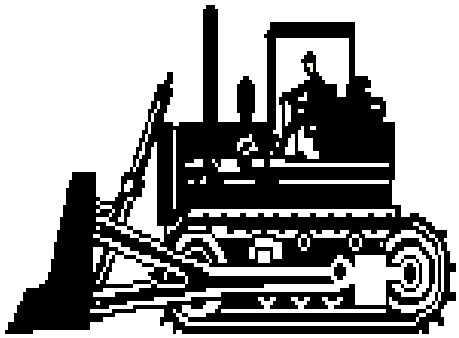
FY 14/15 Budget Request - $240,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2012	July-2012	April-2013	May-2013	June-2014	July-2014	April-2015	May-2015

Capital Improvement Program
Encina Wastewater Authority – Capital Projects FY 13/14

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: 2014100001 **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 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design							$0
Construction	$533,000	$1,151,000					$1,684,000
Total	$533,000	$1,151,000	$0	$0	$0	$0	**$1,684,000**

FY 14/15 Budget Request - $0

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2009							June-2015

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 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning	$40,000						$40,000
Design	$220,000	$35,000					$255,000
Construction		$600,000	$700,000				$1,300,000
Total	$260,000	$635,000	$700,000	$0	$0	$0	**$1,595,000**

FY 14/15 Budget Request - $250,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2008	July-2008	January-2010	February-2010	December-2014	January-2015	November-2015	November-2015

Capital Improvement Program
Northwest Lake San Marcos Sewer Replacement and Relining Project

Description: This project involves the replacement of approximately 7,500 feet of existing 8-inch VCP sewer pipeline with new 8-inch PVC pipe. In addition, approximately 1,250 feet of adjacent VCP pipeline will be lined to extend its useful life. This item is part of the VWD Strategic Plan – Strategic Focus Area 1.4

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

Project: 2014100002 **Funding Source:** 100% Fund 210 – Sewer Replacement

Comments: The sewer pipeline in the northwest Lake San Marcos area is being compromised due to lime leaching into the pipe. This pipe was installed between 1964 and 1971 and is reaching the end of its useful life. While lime damage warrants replacement of most of the pipe in this area, some pipeline can be relined instead to extend its life.

Operations Impact: Annual and routine sewer pipeline maintenance.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning			$50,000				$50,000
Design			$20,000	$130,000			$150,000
Construction				$200,000	$1,100,000		$1,300,000
Total	$0	$0	$70,000	$330,000	$1,100,000	$0	**$1,500,000**

FY 14/15 Budget Request - $

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2013	January-2016	April-2016	May-2016	March-2017	April-2017	March-2018	March-2018

Capital Improvement Program
San Elijo Hills Pump Station

Description: This pump station will transport at least 2,750 acre-feet of potable water each year that was treated by the Olivenhain Municipal Water District's David C. McCollom water treatment plant. The pump station will be sized to pump approximately 3,000 gallons per minute to VWD's 877 Pressure Zone. A building to house the pumps, header pipeline and electrical equipment will also be constructed. The pump station will be connected to VWD's existing 16-inch distribution pipeline in San Elijo Road. This item is part of the VWD Strategic Plan – Strategic Focus Area 6.1

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

Project: 2013100530 **Funding Source:** 100% Fund 120 – Water Capacity

Comments: VWD and the Olivenhain Municipal Water District signed a Water Purchase Agreement (WPA) in November 2012 for the purchase of 2,750 acre-feet of treated water per year. This water is being purchased by VWD at a reduced treatment rate compared to CWA water, and because the water will be treated more recently than CWA water, it is expected to reduce nitrification issues in the San Elijo Hills service area.

Operations Impact: Offers a second supply of potable water to the San Elijo Hills service area. Daily, routine monitoring and inspection 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 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning	$ 50,000						$ 50,000
Design	$ 300,000						$ 300,000
Construction		$ 1,000,000					$ 1,000,000
Total	$ 350,000	$ 1,000,000	$0	$0	$0	$0	**$ 1,350,000**

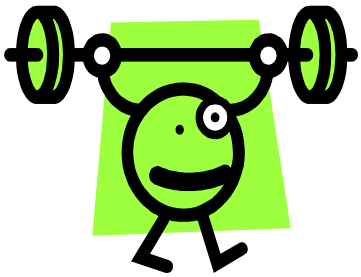
FY 14/15 Budget Request - $257,000

Estimated Project Timeline

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

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 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19 & Thereafter	Total
Planning	$ 1,000		$ 49,000				$ 50,000
Design			$ 60,000	$ 110,000			170,000
Construction			$ -	$ 250,000	$ 730,000		980,000
Total	$ 1,000	$ -	$ 109,000	$ 360,000	$ 730,000	$ -	**$ 1,200,000**

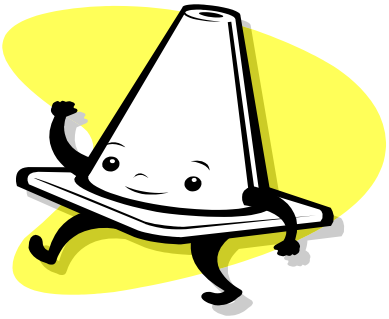
FY 14/15 Budget Request - $109,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July 2012	July 2014	December 2014	January 2015	March 2016	March 216	December 2016	December 2016

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: James Gumpel **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 10" to 16" in Planning Area O.

Operations Impact: None

Project Spending Plan

Project Phase	Previous FY Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design							$0
Construction	$642,000	$290,000					$932,000
Total	$642,000	$290,000	$0	$0	$0	$0	**$932,000**

FY 14/15 Budget Request - $57,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2003					July-2009	June-2015	June-2015

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 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19 & Thereafter	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**

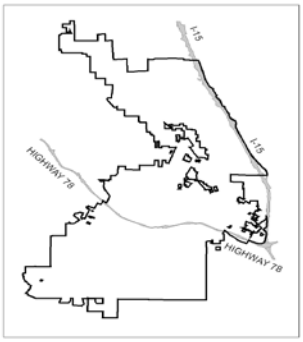
FY 14/15 Budget Request - $0

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2007	July-2007	August-2019	August-2019	October-2020	October-2020		

Capital Improvement Program
Water and Sewer Master Plan

Description: Master Plans are typically updated every 5 years because project priorities shift and land use agencies approve zoning changes in the Districts' boundaries. Since the adoption of the 2008 Master Plan, VWD's per capita water and wastewater demands have declined due to drought and the recession, and the City of San Marcos has approved several developments with zoning changes. VWD has also inked contracts for the purchase of treated water from the Olivenhain Water District and desalinated water directly from Poseidon Resources – both of which will likely shift capital project priorities. These reasons will trigger the need for a master plan update. This item is part of the VWD Strategic Plan – Strategic Focus Areas 1.3 and 6.4



Project Manager: James Gumpel

Department: Engineering

Project: 2014100003

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

Comments: An Environmental Impact Report will be prepared in conjunction with the master plan update. This document will detail the impacts, at a programmatic level, that the master plan projects may create on the community and the environment. The District's water and wastewater models will also be updated during this master plan update, and a water supply planning section that will analyze expansion of recycled water use will be included.

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

Project Phase	Previous FY Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning	$100,000	$400,000	$300,000				$800,000
Design							$0
Construction							$0
Total	$100,000	$400,000	$300,000	$0	$0	$0	**$800,000**

FY 14/15 Budget Request - $50,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
	July-2013	June-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 14/15	FY 15/16	FY 16/17	FY 17/18	Thereafter	Total
Planning	$900,000						$900,000
Design	$300,000		$50,000				$350,000
Construction			$190,000				$190,000
Recovery				-$650,000			-$650,000
Total	$1,200,000	$0	$240,000	-$650,000	$0	$0	**$790,000**

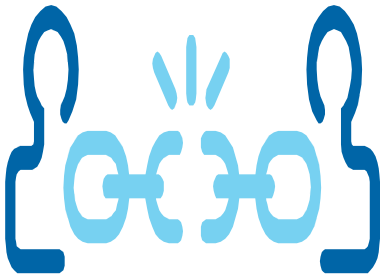
FY 14/15 Budget Request - $0

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2001	August-2001	June-2012	July-2015	February-2016	July-2016	June-2017	June-2017

Capital Improvement Program
Desalinated Water Connection

Description: The District will receive 3,500 acre-feet of desalinated water per year from the Carlsbad Desalinated Water Facility when it comes on-line in 2016. This project includes the installation of approximately 250 feet of pipeline and a new 20-cfs metering facility at the VAL IX connection to bring desalinated water directly into the 920 Pressure Zone instead of through CWA's 2nd Aqueduct system. This item is part of the VWD Strategic Plan – Strategic Focus Area 6.1



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

Project: 2014100005 **Funding Source:** 100% Fund 120 – Water Capacity

Comments: VWD plans to utilize the existing VAL IX flow control facility for the desalinated water connection. A smaller 20-cfs metering facility will replace the existing 30-cfs metering facility in order to properly meter the anticipated flow rates. The budget also includes funds to study the water chemistry and compatibility with traditional CWA supplies.

Operations Impact: Management of a dedicated desalinated water source where VWD must take 3,500 acre-feet of water per year at a constant base-loaded rate.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning	$40,000						$40,000
Design		$50,000					$50,000
Construction		$300,000	$250,000				$550,000
Total	$40,000	$350,000	$250,000	$0	$0	$0	**$640,000**

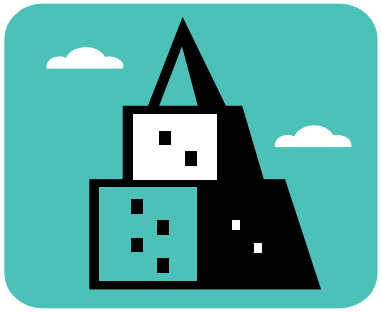
FY 14/15 Budget Request - $240,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2013	July-2013	March-2014	March-2014	December-2014	January-2015	December-2015	January-2016

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 Hydro-pneumatic 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 Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design							$0
Construction			$700,000				$700,000
Total	$0	$0	$700,000	$0	$0	$0	**$700,000**

FY 14/15 Budget Request - $0

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2012					October-2015	June-2016	June-2016

Capital Improvement Program
Richland Invert Replacement

Description: This project calls 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 either a new 15-inch siphon to be located at the existing pipelines' location or by a new 15-inch gravity pipeline in Mission Road and a new crossing further to the west.

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

Project: 2012100002 **Funding Source:** 100% Fund 210 – Sewer 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 collections 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 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning	$10,000	$10,000					$20,000
Design		$50,000	$70,000				$120,000
Construction				$200,000	$335,000		$535,000
Total	$10,000	$60,000	$70,000	$200,000	$335,000	$0	**$675,000**

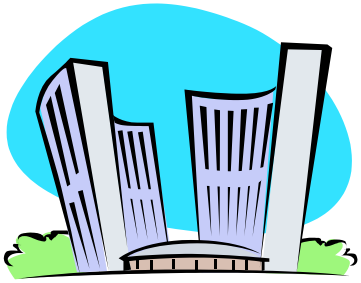
FY 14/15 Budget Request - $0

Estimated Project Timeline

Project Approval	Planning		Design		Implementation		Completion
	Begin	End	Begin	End	Begin	End	
July-2011	April-2012	October-2014	October-2014	December-2015	January-2016	December-2016	January-2017

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: James Gumpel **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	500,000	Water/Sewer	90% / 10%
Relocations/Adjustments	15,000	Water/Sewer	75% / 25%
Armorlite Dr	13,000	Water/Sewer	75% / 25%
Discovery/Bent/Via Vera Cruz	5,000	Water/Sewer	100%
Total	$593,000		

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 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design		$5,000					$5,000
Construction	$47,000	$75,000	$13,000	$500,000			$635,000
Total	$47,000	$80,000	$13,000	$500,000	$0	$0	**$640,000**

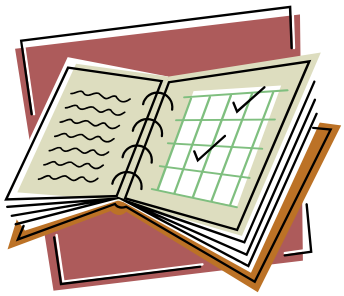
FY 14/15 Budget Request - $465,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
						June-2017	June-2017

Capital Improvement Program
Asset Management Replacement Schedule

Description: Create a prioritized Asset/Infrastructure replacement schedule for the District Facilities. This item is part of the VWD Strategic Plan – Strategic Focus Area 1.2



Project Manager: James Gumpel

Department: Engineering

Project: 2014100004

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

Comments: The District's infrastructure is aging and proper planning requires an understanding of when, where, and how much replacing that infrastructure will cost. Proper preventative maintenance helps insure the District obtains the maximum beneficial life out of its infrastructure. The District has already taken steps towards this by implementing a computerized maintenance management system (CMMS) also known as Maximo to implement and track preventative, corrective, and emergency maintenance/repairs on all assets or infrastructure. This project will take the CMMS information and prioritize a replacement schedule as well as cost over the expected life of all assets/infrastructure.

Operations Impact: None

Project Spending Plan

Project Phase	Previous FY Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning			$300,000	$300,000			$600,000
Design							$0
Construction							$0
Total	$0	$0	$300,000	$300,000	$0	$0	**$600,000**

FY 14/15 Budget Request - $150,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2013	July-2015	June-2017					June-2017

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 2014/15 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 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design							$0
Construction	$149,000	$442,000					$591,000
Total	$149,000	$442,000	$0	$0	$0	$0	**$591,000**

FY 14/15 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
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.

Replacement Schedule

FY 14/15 – Repair damage from Hydraulic overloading due to infiltration, and repair defects caused by ground settlement.

Project Manager: Braden McCrory **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 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design							$0
Construction		$150,000	$100,000	$100,000	$100,000	$100,000	$550,000
Total	$0	$150,000	$100,000	$100,000	$100,000	$100,000	**$550,000**

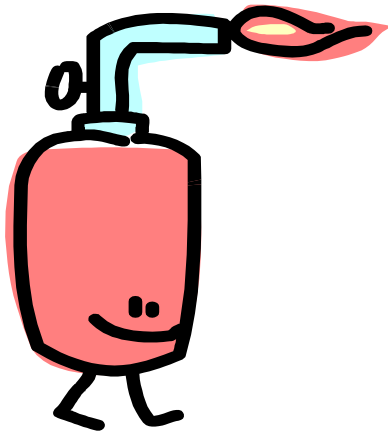
FY 14/15 Budget Request - $550,000

Estimated Project Timeline

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

Capital Improvement Program
Meadowlark Tank No. 1 and Meadowlark Tank No. 2 Exterior

Description: Meadowlark Tanks 1 and 2 require refurbishment for the interior and exterior of Tank No. 1 and exterior only of Tank No. 2.



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. Design and a portion of the construction costs were included in the FY 2013/14 Annual Steel Tank Refurbishment.

Operations Impact: Routine maintenance

Project Spending Plan

Project Phase	Previous FY Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design	$30,000	$30,000					$60,000
Construction	$250,000	$345,500					$595,500
Total	$280,000	$375,500	$0	$0	$0	$0	**$655,500**

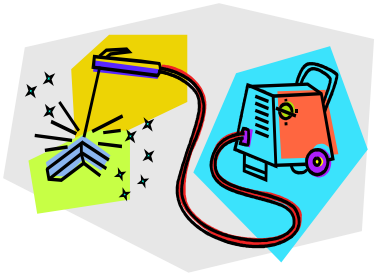
FY 14/15 Budget Request - $0

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
			October-2013	January-2014	April-2014	August-2014	September-2014

Capital Improvement Program
Twin Oaks Reservoir: On-site Generation of Sodium Hypochlorite

Description: Replace the existing gas chlorine injection system with on-site generation of sodium hypochlorite for water disinfection.



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

Project: 2014100006 **Funding Source:** 100% Fund 110 – Water Replacement

Comments: The Twin Oaks Reservoir Chlorination Facility uses 100% chlorine gas for water disinfection. Chlorine gas is an acute respiratory hazard. Its use requires the District to maintain expensive safety equipment and meet strict regulatory standards set by the US EPA and OSHA. Replacing the chlorine gas system with the on-site generation of sodium hypochlorite (0.8% bleach) will remove the acute hazard from the site. The District would no longer be required to maintain the safety equipment or the regulatory programs. It's assumed that all construction in support of new equipment can be performed by in house staff.

Operations Impact: Routine Maintenance.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design							$0
Construction		$550,000					$550,000
Total	$0	$550,000	$0	$0	$0	$0	**$550,000**

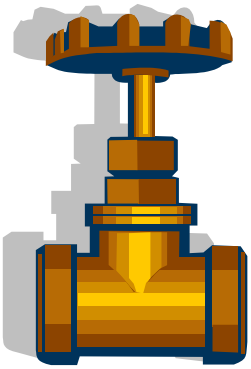
FY 14/15 Budget Request - $390,000

Estimated Project Timeline

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

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 five years.

Operations Impact: Routine maintenance

Project Spending Plan

Project Phase	Previous FY Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design							$0
Construction	$364,000	$156,000					$520,000
Total	$364,000	$156,000	$0	$0	$0	$0	**$520,000**

FY 14/15 Budget Request - $199,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2011							June-2015

Capital Improvement Program
Environmental Mitigation Property

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

Project Manager: James Gumpel

Department: Engineering

Project: 2010100003

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

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

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

Project Spending Plan

Project Phase	Previous FY Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	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**

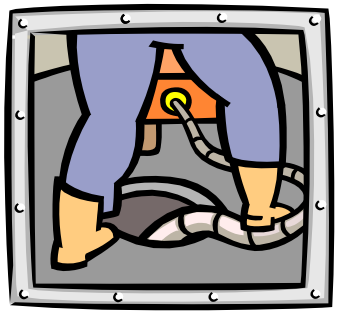
FY 14/15 Budget Request - $0

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2009	July-2009	June-2019	-	-	-	-	June-2019

Capital Improvement Program
Trioxyn Injection Station

Description: New facility for trioxyn/Mg(OH)2 injection into the sewer system. Facility will consist of a building to house a chemical storage 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
Work Order: 80009

Funding Source: 100% Fund 220 – Sewer Capacity

Comments: A temporary site was installed off Poinsettia Road in Carlsbad to study the effect of trioxyn 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 trioxyn at the new site will increase the effectiveness of the trioxyn due to a longer detention time. A decrease in the amount of trioxyn needed for the treatment of the sewer outfall line may result from the longer detention time thus decreasing the overall amount spent on trioxyn. Magnesium hydroxide (Mg(OH)2) may also be considered as an alternative.

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

Project Spending Plan

Project Phase	Previous FY Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning	$2,000		$3,000				$5,000
Design			$150,000				$150,000
Construction			$25,000	$220,000			$245,000
Total	$2,000	$0	$178,000	$220,000	$0	$0	**$400,000**

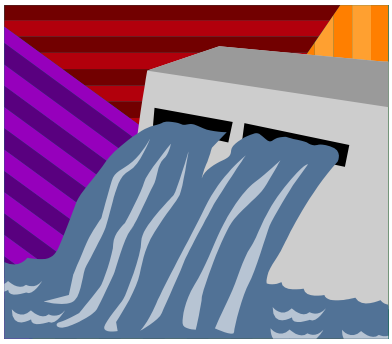
FY 14/15 Budget Request - $0

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2007	July-2010	October-2015	November-2015	April-2016	May-2016	April-2017	June-2017

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: Ed Pedrazzi

Department: Operations & Maintenance

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 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design							$0
Construction	$45,000	$250,000					$295,000
Total	$45,000	$250,000	$0	$0	$0	$0	**$295,000**

FY 14/15 Budget Request - $20,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2003					July-2013	June-2015	June-2015

Capital Improvement Program
Lift Station 1 Pump Improvements

Description: The intent of this project is to increase the capacity of Lift Station 1 from about 2,000 gallons per minute (gpm) to 3,100 gpm through the installation of a new pump. This will increase the amount of wastewater flow to VWD's Meadowlark Water Reclamation Facility (MRF) and thus increase the amount of recycled water that can be produced at MRF. Also part of this project is the replacement of an older 600 gpm pump with a new 600 gpm pump. This item is part of the VWD Strategic Plan – Strategic Focus Area 6.2

Project Manager: James Gumpel

Department: Engineering

Project: 2013100533

Funding Source: 76% Fund 220 – Sewer Capacity
24% Fund 210 – Sewer Replacement

Comments: MRF currently receives an average wastewater flow of 3.9 million gallons per day (MGD) from which it produces approximately 3.6 MGD of recycled water. The installation of the new 1,900 gallon-per-minute pump would increase wastewater flows to MRF to approximately 4.8 MGD and allow MRF to produce approximately 4.4 MGD of recycled water. The project can receive up to $338,000 toward construction costs through a Proposition 84 grant, provided that VWD matches at least 25%.

Operations Impact: Increased pumping capacity of wastewater to MRF. Daily, routine monitoring and inspection 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 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning	$5,000						$5,000
Design	$105,000						$105,000
Construction		$500,000	-$338,000				$162,000
Total	$110,000	$500,000	-$338,000	$0	$0	$0	**$272,000**

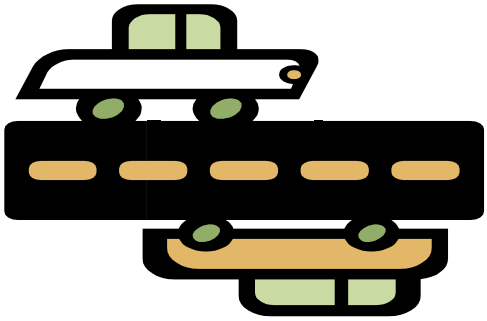
FY 14/15 Budget Request - $76,000

Estimated Project Timeline

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

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 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design	$20,000						$20,000
Construction	$8,000	$222,000					$230,000
Total	$28,000	$222,000	$0	$0	$0	$0	**$250,000**

FY 14/15 Budget Request - $50,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2006			February-2013	May-2013	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 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design		$25,000					$25,000
Construction			$195,000				$195,000
Total	$0	$25,000	$195,000	$0	$0	$0	**$220,000**

FY 14/15 Budget Request - $36,200

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2010					July-2014	June-2016	June-2016

Capital Improvement Program
Knoll Road Sewer Replacement

Description: Replace approximately 300 feet of 8-inch diameter VCP pipeline with new 8-inch PVC pipe.

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

Project: 2014100716 **Funding Source:** 100% Fund 210 – Sewer Replacement

Comments: Camera inspection has revealed several sags and standing water in the line which affects the carrying capacity of the sewer and increases the frequency of cleaning. The project was previously part of the Annual Sewer Replacement and I&I Repairs, however, a new budget is being created due to the size and scope of the project.

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

Project Spending Plan

Project Phase	Previous FY Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design	$30,000						$30,000
Construction		$145,000					$145,000
Total	$30,000	$145,000	$0	$0	$0	$0	**$175,000**

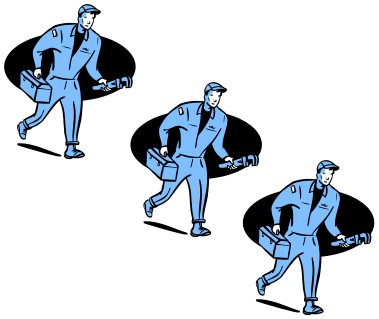
Additional FY 14/15 Budget Request - $0

Estimated Project Timeline

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

Capital Improvement Program
San Marino Drive Sewer Replacement

Description: Replace approximately 200 feet of 8-inch diameter VCP pipeline with new 8-inch PVC pipe.



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

Project: 2014100717 **Funding Source:** 100% Fund 210 – Sewer Replacement

Comments: Camera inspection has revealed several sags and standing water in the line which affects the carrying capacity of the sewer and increases the frequency of cleaning. The project was previously part of the Annual Sewer Replacement and I&I Repairs, however, a new budget is being created due to the size and scope of the project.

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

Project Spending Plan

Project Phase	Previous FY Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design	$60,000	$10,000					$70,000
Construction	$50,000	$50,000					$100,000
Total	$110,000	$60,000	$0	$0	$0	$0	**$170,000**

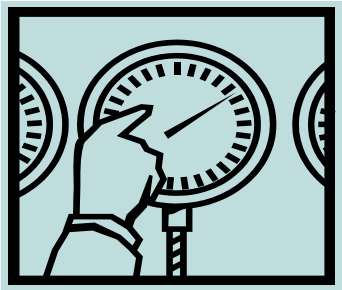
Additional FY 14/15 Budget Request - $0

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
			January-2014	April-2014	May-2014	July-2014	July-2014

Capital Improvement Program
North Vista Pressure Reducing Station Upgrade

Description: Upgrade the existing North Vista Pressure Reducing Station with electrical power and bring it up to current standards.



Project Manager: James Gumpel **Department:** Water Systems Operations

Project: 2014100008 **Funding Source:** 100% Fund 110 – Water Replacement

Comments: North Vista Pressure Reducing Station is one of the oldest in the District. VWD does not have a SCADA system at this site due to lack of electrical power. The station is one of the few remaining sites in the District without SCADA monitoring. The funds requested are for design and construction to upgrade the pressure reducing station to meet all current standards, including electrical power and SCADA monitoring equipment.

Operations Impact: Routine Maintenance.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design	$25,000						$25,000
Construction		$140,000					$140,000
Total	$25,000	$140,000	$0	$0	$0	$0	**$165,000**

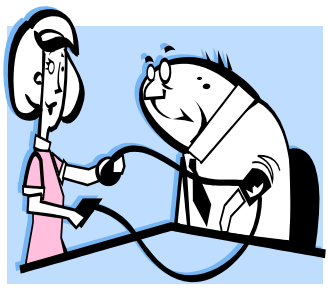
FY 14/15 Budget Request - $45,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2013			July-2013	June-2014	July-2014	June-2015	June-2015

Capital Improvement Program
South Vista Pressure Reducing Station Upgrade

Description: Replace the existing South Vista Pressure Reducing Station with a larger vault and bring it up to current standards.



Project Manager: James Gumpel **Department:** Water Systems Operations

Project: 2014100007 **Funding Source:** 100% Fund 110 – Water Replacement

Comments: South Vista Pressure Reducing Station is one of the oldest in the District. We do not have a SCADA system at this site due to lack of electrical power. The pressure station vault is extremely small with minimal working space. The station is one of the few remaining sites in the District without SCADA monitoring. The funds requested are for design and construction to replace the pressure reducing station with a new vault that meets all current standards, including electrical power and SCADA monitoring equipment.

Operations Impact: Routine Maintenance.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design	$27,000						$27,000
Construction		$135,000					$135,000
Total	$27,000	$135,000	$0	$0	$0	$0	**$162,000**

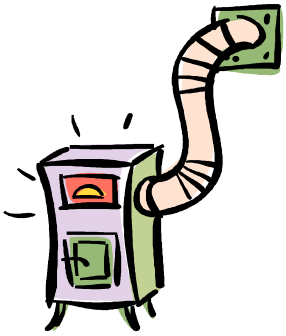
FY 14/15 Budget Request - $12,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2013			July-2013	June-2014	July-2014	June-2015	June-2015

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 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design							$0
Construction		$128,000					$128,000
Total	$0	$128,000	$0	$0	$0	$0	**$128,000**

FY 14/15 Budget Request - $55,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2011							June-2015

Capital Improvement Program
Vallecitos VII B - Meter Upgrade

Description: Upgrade the existing "B" meter at Vallecitos VII to allow remote control by the San Diego County Water Authority. This item is part of the VWD Strategic Plan – Strategic Focus Area 6.1

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

Project: 2014100009 **Funding Source:** 100% Fund 110 – Water Replacement

Comments: Vallecitos VII Flow Control Facility is owned and operated by the San Diego County Water Authority (SDCWA). There are two meters at this location, an "A" and a "B" meter. The "A" meter is the meter normally operated by SDCWA for Vallecitos during normal operations. The recent Water Purchase Agreement with the Olivenhain MWD will change the amount of water Vallecitos purchases from the Vallecitos VII connection. The reduced demand will require extensive use of the "B" meter which currently requires manual operation. The funds requested are to upgrade the "B" meter to meet all current SDCWA standards, including electrical power and SCADA control & monitoring equipment.

Operations Impact: Routine Maintenance.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design							$0
Construction		$100,000					$100,000
Total	$0	$100,000	$0	$0	$0	$0	**$100,000**

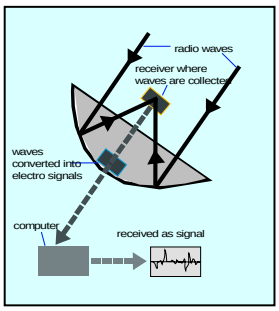
FY 14/15 Budget Request - $

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2013					July-2014	June-2015	June-2015

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 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design							$0
Construction	$85,000	$12,000					$97,000
Total	$85,000	$12,000	$0	$0	$0	$0	**$97,000**

FY 14/15 Budget Request - $27,000

Estimated Project Timeline

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

Capital Improvement Program
Primary Skimmer Controls (3)

Description: Replace the three primary basin skimmer controls.

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

Project: 2014100011 **Funding Source:** 100% Fund 220 – Sewer Replacement

Comments: The primary skimmer controls require continued maintenance to keep them operating either manually or remotely. Staff developed a new skimmer control that replaced the older secondary basin skimmers; these new skimmers work efficiently and require minimal maintenance. If the newly designed skimmers need maintenance, the maintenance can be performed without taking the basin off line; this saves staff time and minimizes the impact to Meadowlark's treatment process. The primary basin needs to be updated with the new skimmer controls.

Operations Impact: Normal maintenance

Project Spending Plan

Project Phase	Previous FY Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design							$0
Construction	$69,000	$26,000					$95,000
Total	$69,000	$26,000	$0	$0	$0	$0	**$95,000**

FY 14/15 Budget Request - $20,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2013					July-2013	June-2015	June-2015

Capital Improvement Program
Sewer Flow Trending Meter Replacement

Description: Replace existing flow meters prior to end of useful service life.

Project Manager: Braden McCrory **Department:** Systems Collection Department

Project: 2014100010 **Funding Source:** 100% Fund 210 Sewer Replacement

Comments: Currently the District utilizes 15 meters for flow trending purposes and potential inflow issues.

Operations Impact: The existing meters are over 10 years of age and repair costs are nearing that of a new unit. Approximately $11,000 was spent on repairs, that would have potentially covered the replacement of two (2) units. The units are nearing the end of their useable life due to exposure to the harsh environment of the sewer collection system.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design							$0
Construction	$18,000	$18,000	$18,000	$18,000	$18,000		$90,000
Total	$18,000	$18,000	$18,000	$18,000	$18,000	$0	**$90,000**

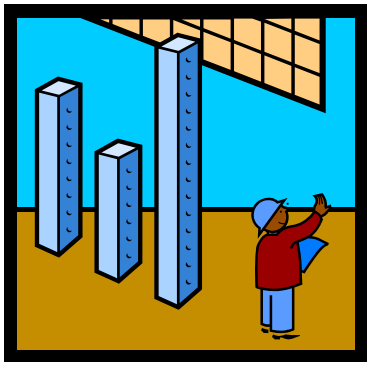
FY 13/14 Budget Request - $90,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2013							June-2018

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 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design							$0
Construction	$52,400	$27,600					$80,000
Total	$52,400	$27,600	$0	$0	$0	$0	**$80,000**

FY 14/15 Budget Request - $35,000

Estimated Project Timeline

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

Capital Improvement Program
Palos Vista Pump Station

Description: Refurbish pumps and convert from packing sealed to mechanical sealed pumps. Upgrade of 4 each - 6" Pump control valves @ Palos Vista Pump Station.

Project Manager: Robert Salazar **Department:** Mech/Elect

Project: 2014100012 **Funding Source:** 100% Fund 110 – Water Replacement

Comments: Pumps are overdue for refurbishment to ensure peak operating efficiency. Pumps currently use rope packing to seal the shaft where it enters the discharge head. Packed pumps require constant adjustment of the packing gland to keep leakage to a minimum. This can't be done due to the SDG&E operating restrictions, as a result the packing leaks excessively and is causing severe corrosion of the pumps and surrounding equipment. A mechanical seal would remedy this and extend life of the pump. The velocity of water flowing through the existing valves is causing damage to the internal components of valve. An upgrade to a Model 60-73 will prevent this.

Operations Impact: Normal maintenance

Project Spending Plan

Project Phase	Previous FY Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design							$0
Construction	$27,300	$15,700	$15,000	$15,000			$73,000
Total	$27,300	$15,700	$15,000	$15,000	$0	$0	**$73,000**

FY 14/15 Budget Request - $12,500

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2013					July-2013	June-2017	June-2017

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 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design							$0
Construction		$60,000					$60,000
Total	$0	$60,000	$0	$0	$0	$0	**$60,000**

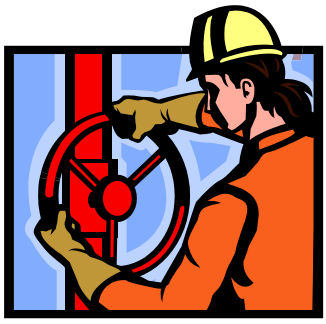
FY 14/15 Budget Request - $15,000

Estimated Project Timeline

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

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 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design							$0
Construction	$13,200	$14,000	$14,300	$14,500			$56,000
Total	$13,200	$14,000	$14,300	$14,500	$0	$0	**$56,000**

FY 14/15 Budget Request - $6,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2012							June-2017

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 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design							$0
Construction	$28,000	$15,000					$43,000
Total	$28,000	$15,000	$0	$0	$0	$0	**$43,000**

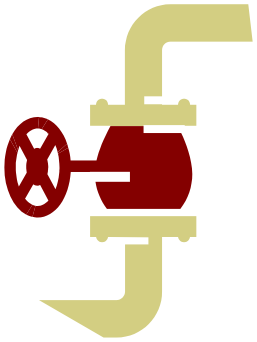
FY 14/15 Budget Request - $2,500

Estimated Project Timeline

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

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 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design							$0
Construction	$30,000	$10,000					$40,000
Total	$30,000	$10,000	$0	$0	$0	$0	**$40,000**

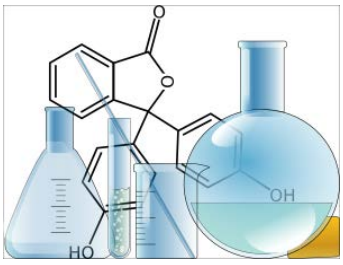
FY 14/15 Budget Request - $0

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2010							June-2015

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 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design							$0
Construction		$35,000					$35,000
Total	$0	$35,000	$0	$0	$0	$0	**$35,000**

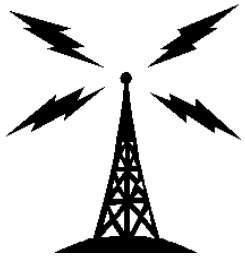
FY 14/15 Budget Request - $27,000

Estimated Project Timeline

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

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 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design							$0
Construction		$14,000					$14,000
Total	$0	$14,000	$0	$0	$0	$0	**$14,000**

FY 14/15 Budget Request - $0

Estimated Project Timeline

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

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 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design							$0
Construction		$22,000					$22,000
Total	$0	$22,000	$0	$0	$0	$0	**$22,000**

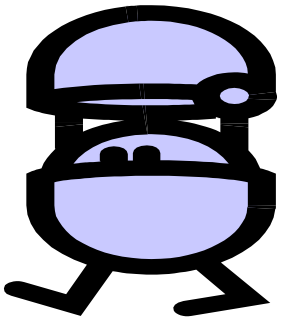
FY 14/15 Budget Request - $0

Estimated Project Timeline

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

Capital Improvement Program
1208 Valve Cans and Lids Upgrade

Description: Upgrade existing 1208 valve cans and lids to 1208n's in high traffic areas.



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

Project: 2014100022 **Funding Source:** 100% Fund 110 – Water Replacement

Comments: The valve crew has discovered that in certain areas of high traffic speed roads that the 1208 valve can lids are popping out of the can. The new 1208n cans and lids are much heavier and do not pop out when hit by cars or trucks at higher speeds.

Operations Impact: Routine Maintenance

Project Spending Plan

Project Phase	Previous FY Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design							$0
Construction	$2,500	$5,000	$5,000	$5,000			$17,500
Total	$2,500	$5,000	$5,000	$5,000	$0	$0	**$17,500**

FY 14/15 Budget Request - $0

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2013					July-2013	June-2017	June-2017

Capital Improvement Program
B.O. Gate Valve Upgrades

Description: Upgrade 20 existing 2" B.O. gate valves to 2" ball valves and drop in lids to 1243 cans.

Project Manager: Kerek Howe

Department: Construction

Project: 2014100026

Funding Source: 100% Fund 110 – Water Replacement

Comments: The ball valves are a newer style and do not break like the old 2" gate valves often do. The Blow offs will be upgraded in conjunction with the flushing program as needed.

Operations Impact: Routine Maintenance

Project Spending Plan

Project Phase	Previous FY Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design							$0
Construction		$7,000					$7,000
Total	$0	$7,000	$0	$0	$0	$0	**$7,000**

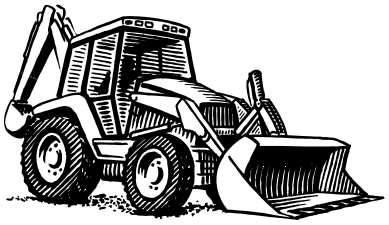
FY 14/15 Budget Request - $0

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2013					July-2014	June-2015	June-2015

Capital Improvement Program
Encina Wastewater Authority – Capital Projects Five Year Plan

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: 2015100001 **Funding Source:** 100% Fund 210 – Sewer Replacement

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 14/15	FY 15/16	FY 16/17	FY 17/18	Thereafter	Total
Planning							$0
Design							$0
Construction		$2,375,000	$3,350,000	$3,325,000	$3,367,000	$3,285,000	$15,702,000
Total	$0	$2,375,000	$3,350,000	$3,325,000	$3,367,000	$3,285,000	**$15,702,000**

FY 14/15 Budget Request - $15,702,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
July-2009							June-2019

Capital Improvement Program
Audiovisual Upgrade

Description: Various audiovisual improvements to upgrade technology in the board room and several conference rooms and the training room.

Project Managers: Karla Fisher

Department: Information Technology

Project: 2015100002

Funding Source: 51% Fund 110 – Water Replacement
49% Fund 210 – Sewer Replacement

Comments:
The audiovisual systems in the District Board Room, Training Room, and Conference Rooms have become outdated and were installed with the construction of Building A. This project will upgrade existing technology to accommodate televised Board of Director meetings and create a consistency between conference rooms and the training room.

Phase I: Select a design consultant to determine upgrade requirements, design the audiovisual systems, and approximate cost. The design consultant will create RFP, assist with selection of a contractor, and oversee project through testing, training, and completion.

Phase II: Select contractor to implement design from Phase I.

Operations Impact: Routine Maintenance

Project Spending Plan

Project Phase	Previous FY Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design		$34,000					$34,000
Construction		$116,000	$350,000				$466,000
Total	$0	$150,000	$350,000	$0	$0	$0	**$500,000**

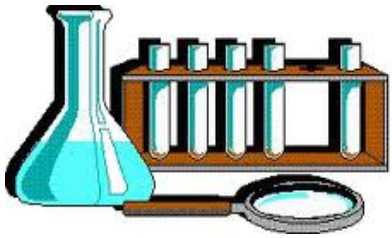
FY 14/15 Budget Request - $500,000

Estimated Project Timeline

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

Capital Improvement Program
Mahr Reservoir – Chlorine Injection System

Description: Install a chlorine injection system at Mahr Reservoir to improve water quality.



Project Manager: Ed Pedrazzi **Department:** Operations & Maintenance

Project: 2015100003 **Funding Source:** 100% Reclaimed

Comments: The reclaimed water produced at the District's Meadowlark Reclamation Facility is stored in the Mahr Reservoir. The water contains high levels of phosphorus and nitrogen which provide a food source for algae. The water quality in Mahr is degraded by the high levels of algae which can create issues with water color and clogging of our customers' distribution equipment. A species of water bug that feeds on algae lives in the reservoir and has been causing additional clogging issues in the distribution systems of our customers. An onsite generation of sodium hypochlorite (bleach) system will be installed in order to control the levels of algae growing in the reservoir and provide a better quality of water for our customers.

Operations Impact: Electric power requirements and salt used for bleach system. Routine maintenance.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design							$0
Construction		$375,000					$375,000
Total	$0	$375,000	$0	$0	$0	$0	**$375,000**

FY 14/15 Budget Request - $375,000

Estimated Project Timeline

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

Capital Improvement Program
Master PLC Replacement & Programming Updates

Description: Replace the existing Master PLC and programming shared by Water Operations and the Systems Collection department.

Project Manager: Ed Pedrazzi **Department:** Operations & Maintenance

Project: 2015100004 **Funding Source:** 50% Water / 50% Sewer

Comments: The current Master PLC (Programmable Logic Controller) is the heart of our SCADA (Supervisory Control & Data Acquisition) network and is used to monitor and control all aspects of the water distribution and the sewer collection systems. The hardware is 1970's technology, making it outdated and no longer able to integrate with the new computer systems and software. The current system is past due for replacement and is experiencing failures that are unacceptable, resulting in additional time and effort for the two operations departments to maintain their systems. Separate systems will be installed for each department, providing faster and more reliable communication and control of each departments system. The programming for each department will also be updated, allowing for additional District facilities to be added in the future with minimal time and effort.

Operations Impact: The new Master PLCs will be designed with a redundant backup system that will engage in the event of a failure, preventing catasstrophic loss of communications and control.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design							$0
Construction		$160,000					$160,000
Total	$0	$160,000	$0	$0	$0	$0	**$160,000**

FY 14/15 Budget Request - $160,000

Estimated Project Timeline

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

Capital Improvement Program
Lift Station #1 – Wet Well Carbon Scrubber

Description: The station wet well needs to be enclosed and an odor scrubber installed for safety and odor management control reasons.

Project Manager: Braden McCrory

Department: Systems Collection

Project: 2015100005

Funding Source: 100% Sewer

Comments: Increased building in the surrounding area, odor control management requirements, and public nuisance concerns support installation of the odor control carbon scrubber.

Operations Impact: Sealing and securing the lift station wet well will aid significantly in minimizing any potential unauthorized access and security concerns involving the wet well itself. Installing an odor control scrubber will reduce odor complaints received from motorists, pedestrians, and nearby business owners within close proximity to the lift station. Routine maintenance of the scrubber will be required.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design							$0
Construction		$86,000	$25,000				$111,000
Total	$0	$86,000	$25,000	$0	$0	$0	**$111,000**

FY 14/15 Budget Request - $111,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
					July-2014	June-2015	June-2016

Capital Improvement Program
Mechanical/Electrical Department Offices

Description: Construct offices within the B Building for the Mechanical/Electrical Department.

Project Manager: Ed Pedrazzi

Department: Operations & Maintenance

Project: 2015100006

Funding Source: 50% Water / 50% Sewer

Comments: The Mechanical/Electrical Department offices are currently within a shop area of the C Building and were not intended to be permanent. An under-utilized section of the B Building will be remodeled in order to provide the supervisor and staff of the department with appropriate office space.

Operations Impact: The Mechanical/Electrical Department will have offices equal to the rest of the O&M departments. The currently occupied shop area of the C Building will be open for use as an mechanical/electrical shop as it was originally intended to be.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design							$0
Construction		$100,000					$100,000
Total	$0	$100,000	$0	$0	$0	$0	**$100,000**

FY 14/15 Budget Request - $100,000

Estimated Project Timeline

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

Capital Improvement Program
Nitrate Monitoring Meters

Description: To control aeration dissolved oxygen based upon nitrate levels.

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

Project: 2015100007 **Funding Source:** 100% Sewer

Comments: Meadowlark's process continually needs to be monitored for nitrification. If nitrate levels become too high, Meadowlark staff has to manually adjust to reduce nitrate levels. Having in-line instrumentation would allow for automatic control through the plant's SCADA system to reduce nitrates.

Operations Impact: It would provide more information of the process during afterhours allowing Meadowlark staff to trend and evaluate the process more effeciently. Routine maintenance would include calibration and sensor cleaning.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design							$0
Construction		$25,000	$25,000	$25,000			$75,000
Total	$0	$25,000	$25,000	$25,000	$0	$0	**$75,000**

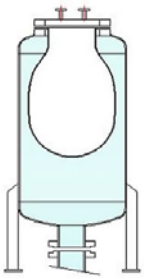
FY 14/15 Budget Request - $75,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
					July-2014	June-2017	June-2017

Capital Improvement Program
Lake San Marcos Lift Station - Surge Tank Replacement

Description: Replacement of the surge suppression tank at Lake San Marcos Lift Station.



Project Manager: Robert Salazar

Department: Mechanical/Electrical

Project: 2015100008

Funding Source: 100% Sewer

Comments: The surge tank at the Lake San Marcos Lift Station is over 20 years old and needs to be replaced to prevent a catastrophic failure. The replacement will be a bladder style surge tank with the bladder being the only replaceable part.

Operations Impact: Routine maintenance.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design							$0
Construction		$55,000					$55,000
Total	$0	$55,000	$0	$0	$0	$0	**$55,000**

FY 14/15 Budget Request - $55,000

Estimated Project Timeline

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

Capital Improvement Program
Double Peak Pump Station - Refurbish Pumps

Description: Remove and rebuild all three of the 6-stage vertical turbine pumps and motors at Double Peak Pump Station.

Project Manager: Robert Salazar

Department: Mechanical/Electrical

Project: 2015100009

Funding Source: 100% Water

Comments: Pumps need to be removed, inspected and rebuilt every 7 to 10 years in order to extend the life of the equipment and maintain peak operating efficiency. All three pumps at this site are due for refurbishment.

Operations Impact: Routine maintenance.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design							$0
Construction		$48,000					$48,000
Total	$0	$48,000	$0	$0	$0	$0	**$48,000**

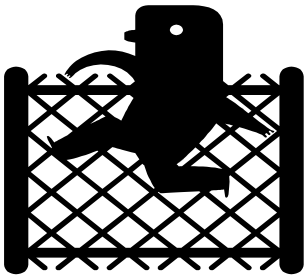
FY 14/15 Budget Request - $48,000

Estimated Project Timeline

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

Capital Improvement Program
Lift Station #1 - Perimeter Fencing

Description: Install perimeter fencing on both east and west sides of District property at Lift Station #1.



Project Manager: Braden McCrory

Department: Systems Collection

Project: 2015100010

Funding Source: 100% Sewer

Comments: The District's property at Lift Station #1 is between a high school and a shopping center with restaurants and convenience stores. Routine chemical deliveries and daily operations are impacted from unwanted foot traffic, requiring increased awareness and time of District personnel. The perimeter fencing will reduce safety concerns from unauthorized access across District property and provide better control of building & grounds access for security purposes.

Operations Impact: Routine maintenance.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design		$5,000					$5,000
Construction		$40,000					$40,000
Total	$0	$45,000	$0	$0	$0	$0	**$45,000**

FY 14/15 Budget Request - $45,000

Estimated Project Timeline

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

Capital Improvement Program
Vactor Offloading Station Modification

Description: The intent of this project is to modify the vactor truck offloading station solids settlement area so that District crews can use motorized equipment to remove the solids after settlement is complete.

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

Project: 2015100011 **Funding Source:** 100% Fund 220 – Sewer Capacity

Comments: District sewer maintenance staff currently uses shovels and trash cans to remove the solids.

Operations Impact: Will allow District crews to more quickly and efficiently remove and dispose of solids waste.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design		$5,000					$5,000
Construction		$35,000					$35,000
Total	$0	$40,000	$0	$0	$0	$0	**$40,000**

FY 14/15 Budget Request - $40,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
March-2014			July-2014	September-2014	November-2014	December-2014	December-2014

Capital Improvement Program
Questhaven Lift Station – Wet Well Aeration

Description: Install wet well aeration using practices currently utilized within the industry.

Project Manager: Braden McCrory **Department:** Systems Collection

Project: 2015100012 **Funding Source:** 100% Sewer

Comments: Low wet well and long force main retention time has resulted in increased BOD from sewage sitting in the force main during daily pumping operations. This has resulted in odor complaints received during station pumping cycles.

Operations Impact: By oxygen enriching sewage in the forcemain, BOD requirements have a greater chance of being satisfied minimizing potential needs for future injection of odor control chemicals. Added water surface aggitation will also aid in grease log and/or grease matting elimination.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design							$0
Construction		$40,000					$40,000
Total	$0	$40,000	$0	$0	$0	$0	**$40,000**

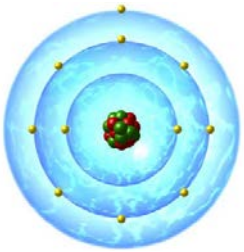
FY 14/15 Budget Request - $40,000

Estimated Project Timeline

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

Capital Improvement Program
Chlorine Injection System

Description: Equipment for the injection of chlorine into the secondary effluent.



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

Project: 2015100013 **Funding Source:** 100% Fund 250 – Sewer Replacement

Comments: A temporary chlorination system was installed and tested in the secondary effluent channel for tertiary disinfection. This system is very efficient, allowing Meadowlark to decrease total chlorine injection by 400 pounds of chlorine per day. A permanent system needs to be designed and installed to replace the temporary application in order to provide reliability and functionality.

Operations Impact: Efficient chlorination will reduce chlorine usage; a permanent application will allow removal of the temporary system from the walkways, eliminating a tripping hazard and will make the system safer and easier to maintain.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design							$0
Construction		$38,000					$38,000
Total	$0	$38,000	$0	$0	$0	$0	**$38,000**

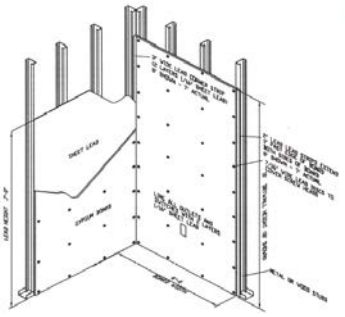
FY 14/15 Budget Request - $38,000

Estimated Project Timeline

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

Capital Improvement Program
Office Space Improvements (Information Technology)

Description: Various office space improvements to better make use of existing areas.



Project Managers: Karla Fisher

Department: Information Technology

Project: 2015100014

Funding Source: 51% Fund 110 – Water Replacement
49% Fund 210 – Sewer Replacement

Comments:
To accommodate staff and better utilize existing space, a series of improvements will be made to house multiple employees into a single space while still providing privacy to work.

Operations Impact: None

Project Spending Plan

Project Phase	Previous FY Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design							$0
Construction		$30,000					$30,000
Total	$0	$30,000	$0	$0	$0	$0	**$30,000**

FY 14/15 Budget Request - $30,000

Estimated Project Timeline

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

Capital Improvement Program
Roughing Filter Motors

Description: Replace three motors with severe duty, totally enclosed fan cooled motors (TEFC).

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

Project: 2015100015 **Funding Source:** 100% Fund 210 – Sewer Replacement

Comments: The current motors have had numerous failures due to weather and everyday environmental conditions at Meadowlark. Replacing these motors with TEFC motors will eliminate these impacts and provide more reliability.

Operations Impact: Reduce costs due to failures and increase reliability.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design							$0
Construction		$29,000					$29,000
Total	$0	$29,000	$0	$0	$0	$0	**$29,000**

FY 14/15 Budget Request - $29,000

Estimated Project Timeline

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

Capital Improvement Program
South Lake Pump Station - Refurbish Pumps #1 and #2

Description: Remove and rebuild vertical turbine pumps and fit with mechanical seals.

Project Manager: Robert Salazar

Department: Mechanical/Electrical

Project: 2015100016

Funding Source: 100% Water

Comments: Pumps need to be refurbished every 7 to 10 years to increase the life of the equipment and maintain peak operating efficiency. This is an industry standard and the pump manufacturer's recommendation.

Operations Impact: Routine maintenance.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design							$0
Construction		$26,000					$26,000
Total	$0	$26,000	$0	$0	$0	$0	**$26,000**

FY 14/15 Budget Request - $26,000

Estimated Project Timeline

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

Capital Improvement Program
Richland I Tank Altitude Control Valve

Description: Replacement of the altitude control valve at Richland I Tank.

Project Manager: Robert Salazar

Department: Mechanical/Electrical

Project: 2015100017

Funding Source: 100% Water

Comments: The body of the altitude control valve has excessive wear and cannot be repaired. The valve is over 50 years old and has exceeded its useful life expectancy. The Water Operations Department relies on this valve to maintain equal levels in both of the Richland tanks. A new valve is required to ensure reliable operation of this process.

Operations Impact: Routine maintenance.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design							$0
Construction		$25,000					$25,000
Total	$0	$25,000	$0	$0	$0	$0	**$25,000**

FY 14/15 Budget Request - $25,000

Estimated Project Timeline

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

Capital Improvement Program
Constant Speed Aeration Blower

Description: Upgrade the constant speed aeration blower to deliver more air flow (CFM).

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

Project: 2015100018 **Funding Source:** 100% Fund 210 – Sewer Replacement

Comments: Currently, the constant speed blower does not provide enough air flow to meet air demand during higher influent flow periods. Making modifications to the blower would allow the blower to produce more air flow during higher influent flow periods.

Operations Impact: More efficient operations of the aeration system when running constant speed blower; providing more redundancy and reliability.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design							$0
Construction		$16,000					$16,000
Total	$0	$16,000	$0	$0	$0	$0	**$16,000**

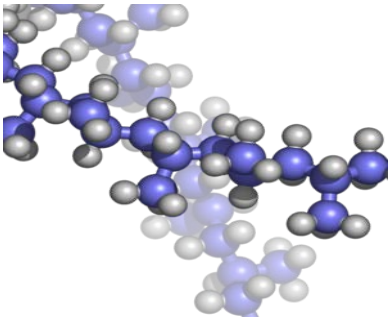
FY 14/15 Budget Request - $16,000

Estimated Project Timeline

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

Capital Improvement Program
Polymer Injection System

Description: To mix and inject polymer prior to tertiary filtration.



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

Project: 2015100019 **Funding Source:** 100% Fund 250 – Sewer Replacement

Comments: Meadowlark injects chemical prior to filtration; recent jar testing indicated that polymer could be added to enhance the chemical currently being used to achieve improved flocculation. Adding polymer would allow Meadowlark to switch to a less expensive chemical, reduce the dosage amount, and save on chemical costs. Injecting polymer requires a special injection unit that mixes the polymer with water prior to injecting into wastewater flow.

Operations Impact: Improved chemical flocculation. Routine maintenance.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design							$0
Construction		$15,000					$15,000
Total	$0	$15,000	$0	$0	$0	$0	**$15,000**

FY 14/15 Budget Request - $15,000

Estimated Project Timeline

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

Capital Improvement Program
Double Peak Tank Chlorine Injection System

Description: Installation of a calcium hypochlorite injection system at Double Peak Tank for residual maintenance and control of nitrification.

Project Manager: Ed Pedrazzi

Department: Water Operations

Project: 2015100020

Funding Source: 100% Water

Comments: Double Peak Tank is one of our reservoirs that consistently experiences problems with water quality due to its large size and low demand conditions. Operators are required to add additional chlorine to this reservoir on a weekly basis for at least nine months of the year. This requires significant staff time and addition of chlorine in an inefficient process. The injection equipment will allow operators to load the equipment with chlorine tablets and then use the computer control systems to treat the reservoir during the pumping cycle at night. This will allow for an improved mixing of the chlorine in the reservoir and reduce staff time by more than 50%.

Operations Impact: Improved water quality and reduced staff time. Routine maintenance.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design							$0
Construction		$15,000					$15,000
Total	$0	$15,000	$0	$0	$0	$0	**$15,000**

FY 14/15 Budget Request - $15,000

Estimated Project Timeline

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

Capital Improvement Program
Palomar Tank Seismic Sensor System

Description: Retrofit Palomar Tank with a seismic sensor system.

Project Manager: Ed Pedrazzi

Department: Water Operations

Project: 2015100021

Funding Source: 100% Water

Comments: The District has adopted seismic activated valves as part of its specification for new tank installations. Palomar Tank is a 2.7 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 extent of damage to critical mains and the distribution system has been accessed. 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 aqueducts. 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 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design							$0
Construction		$10,000					$10,000
Total	$0	$10,000	$0	$0	$0	$0	**$10,000**

FY 14/15 Budget Request - $10,000

Estimated Project Timeline

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

Capital Improvement Program
Mahr Reservoir – Sample Station Dock

Description: Install a floating platform at Mahr Reservoir to mount sampling equipment for monitoring of water quality.

Project Manager: Ed Pedrazzi

Department: Operations & Maintenance

Project: 2015100022

Funding Source: 100% Reclaimed

Comments: The current water quality analyzer for Mahr Reservoir is located several hundred feet away from the water. This requires a long sampling line that frequently clogs up with algae and demands staff time to clear the line. The data from the water quality analyzer can be erratic as clumps of algae break free from the inside of the long sample collection line, producing false information concerning the quality of the water. The platform will allow all of the sampling equipment to be moved out to the water with a sample collection line only a few feet long. This will eliminate the need for the existing pumping system and provide accurate water quality data. The platform will be made out of a non-corrosive material which will not require any maintenance.

Operations Impact: Accurate water quality data and reduced maintenance for staff.

Project Spending Plan

Project Phase	Previous FY Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning							$0
Design							$0
Construction		$10,000					$10,000
Total	$0	$10,000	$0	$0	$0	$0	**$10,000**

FY 14/15 Budget Request - $10,000

Estimated Project Timeline

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

Capital Improvement Program
Future Projects

Description: This amount is set-aside to cover projects planned within the next five years with a start date later than the current fiscal year..

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

Project: TBA **Funding Source:** See below

Funding Sources:

Project:	Amount:	Source:	
Coronado Hills Tank Refurbish	$680,000	Water	100%
Deer Springs Tank Refurbish	680,000	Water	100%
San Elijo Hills Tank Refurbish	315,000	Water	100%
Sage Canyon Tank Refurbish	315,000	Water	100%
Montiel Lift Station Force Main	635,000	Sewer	100%
Total	$2,625,000		

Comments: These projects are part of the District's capital budget beginning after fiscal year 2014-15.

Operations Impact: Normal maintenance for infrastructure

Project Spending Plan

Project Phase	Previous FY Expenses	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	Total
Planning			$25,000				$25,000
Design			$40,000	$90,000	$160,000		$290,000
Construction			$300,000	$810,000	$1,200,000		$2,310,000
Total	$0	$0	$365,000	$900,000	$1,360,000	$0	**$2,625,000**

FY 14/15 Budget Request - $2,625,000

Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
					July-2015	June-2018	June-2018

VALLECITOS WATER DISTRICT

2014-15 CAPITAL BUDGET - VEHICLES & EQUIPMENT SCHEDULE

VEHICLES/MOBILE EQUIPMENT

Existing Vehicle #	Description	Project #	New or Replacement	*Funding Source:* Water	Sewer	Total Cost
	Construction:					
182	Trailer mounted portable toilet with hand washing station	2015100023	Replacement	4,100	3,900	8,000
211	Ford F150 4x4 Extra cab duty truck	2015100024	Replacement	15,000	14,000	29,000
	Water Operations:					
	Ford Explorer	2015100025	New	18,000	18,000	36,000
	Collections:					
202	Ford F-450 Box Van with camera inspection equipment	2015100026	Replacement		174,000	174,000
TOTAL VEHICLES						*$ 247,000*

FACILITIES AND EQUIPMENT

Requesting Dept.	Description	Project #	Replacement or New	*Funding Source:* Water	Sewer	Total Cost
	Meadowlark Facility					
	De-chlorination System Chlorine Analyzer	2015100027	New		7,000	$ 7,000
	Collections:					
	Sperian Survivair Panther SCBA (2)	2015100028	New		11,000	11,000
	Mechanical/Electrical Services					
	Badger Dynasonics DXN Flow Meter	2015100029	New	4,100	3,900	8,000
	Portable Generator 200kW	2015100030	Replacement	45,900	44,100	90,000
	Information Technology					
	Additional Disk Storage	2015100031	New	32,000	30,000	62,000
	Dashboard Software	2015100032	New	31,000	29,000	60,000
	Document Management Upgrade	2015100033	Replacement	20,000	20,000	40,000
	Backup Exec Tape Drive Replacement	2015100034	Replacement	11,000	11,000	22,000
	Mirage Desktop Management	2015100035	New	11,000	11,000	22,000
TOTAL FACILITIES AND EQUIPMENT						*$ 322,000*

VEHICLES & EQUIPMENT TOTAL **$ 569,000**

DEBT SERVICE BUDGET FOR THE YEAR ENDING JUNE 30, 2015

	Water		Wastewater		
	Replacement	Capacity	Replacement	Capacity	Total
2005 Cetificates of Participation - Converted to Fixed Rate in 2007					
Outstanding principal as of July 1, 2014[(1)]	$ -	$ 28,231,400	$ -	$ 27,178,600	$ 55,410,000
June 26, 2014 Principal Transfer to Trustee	-	(833,060)	-	(801,940)	(1,635,000)
Outstanding principal as of July 1, 2015	$ -	$ 27,398,340	$ -	$ 26,376,660	$ 53,775,000
2008 Private Placement [(2)]					
Outstanding principal as of July 1, 2014	$ -	$ -	$ -	$ 5,800,000	$ 5,800,000
2014/15 Principal Payments	-	-	-	(400,000)	(400,000)
Outstanding principal as of June 30, 2015	$ -	$ -	$ -	$ 5,400,000	$ 5,400,000
2012 Debt [(3)]					
Outstanding principal as of July 1, 2014	$ -	$ -	$ -	$ 6,455,000	$ 6,455,000
2014/15 Principal Payments	-	-	-	(660,000)	(660,000)
Outstanding principal as of June 30, 2015	$ -	$ -	$ -	$ 5,795,000	$ 5,795,000
2014/15 Debt Service Budget					
2005 COP principal	$ -	$ 833,060	$ -	$ 801,940	$ 1,635,000
2005 COP interest	-	1,410,860	-	1,358,140	2,769,000
2008 Private Placement - principal	-	-	-	400,000	400,000
2008 Private Placement - interest	-	-	-	58,000	58,000
2012 Debt - principal	-	-	-	660,000	660,000
2012 Debt - interest	-	-	-	121,000	121,000
Total 2014/15 Debt Service Budget	$ -	$ 2,243,920	$ -	$ 3,399,080	$ 5,643,000

Projected Debt Service Coverage Ratio [(4)]	354%
Excluding Capital Facility Fees	265%
Excluding Capital Facility Fees and Property Tax	237%
Days of Operating Expenses in Unrestricted Cash and Investments	346

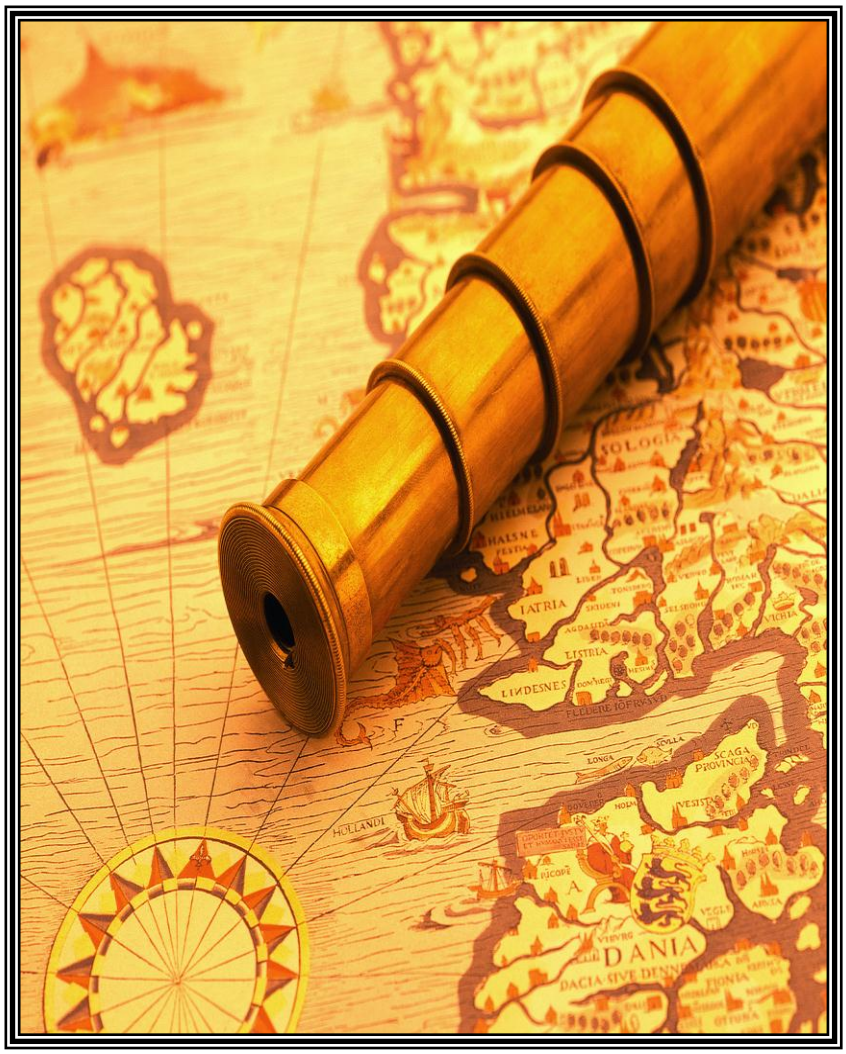
[(1)] The 13/14 principal payment on the existing certificates of participation (COPs) is due to bondholders on July 1, 2014. The District is obligated to transfer the payment before June 30, 2014, to a restricted account maintained by the Trustee, and, therefore, was deducted from the projected July 1, 2014 balance presented in the Reserve Budget.

[(2)] 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 1.003%. 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.

[(3)] The District issued bonds on December 21, 2012, to fund the increased capacity portions of San Marcos Interceptor and Linda Vista Sewer projects. The bonds have a 1.98% interest rate over the 10-year term.

[(4)] 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".

2014-2015 LONG-RANGE PLANNING



RESERVE BUDGET FOR THE YEAR ENDING JUNE 30, 2015

	110 Water 120		210 Wastewater 220		
	Replacement	Capacity	Replacement	Capacity	Total
Projected July 1, 2014 Balance	$ 19,719,000	$ (5,154,000)	$ 27,743,000	$ (71,000)	$ 42,237,000
Revenues and Transfers In					
Operating Transfers	7,281,000	-	5,906,000	-	13,187,000
Capital Facility and Impact Fees	-	2,079,000	-	2,970,000	5,049,000
Property Tax	882,000	-	703,000	-	1,585,000
Investment Earnings	124,000	(34,000)	147,000	(10,000)	227,000
Payment on Land Sale to City	74,000	-	74,000	-	148,000
Available Balance	28,080,000	(3,109,000)	34,573,000	2,889,000	62,433,000
Less 14/15 Appropriations and Transfers Out					
Encina Wastewater Auth 5 Year Cap Plan	-	-	2,375,000	-	2,375,000
Linda Vista Sewer East	-	-	974,300	1,190,700	2,165,000
MRF Solids Force Main Replacement	-	-	1,500,000	-	1,500,000
San Elijo Hills Pump Station	-	1,000,000	-	-	1,000,000
Encina Wastewater Auth FY 13/14	-	-	870,000	-	870,000
Rock Springs Sewer Replacement	-	-	285,700	349,300	635,000
Twin Oaks Reservoir Generation of Sodium Hypochlorite	550,000	-	-	-	550,000
Lift Station 1 Pump Improvements	-	-	120,000	380,000	500,000
San Marcos interceptor sewer	-	-	139,500	310,500	450,000
Vulnerability Assessment Improvements	-	265,200	-	176,800	442,000
Water and Sewer Master Plan	-	200,000	-	200,000	400,000
Annual Steel Tank MLK No. 1 & 2 Refurbishment	375,500	-	-	-	375,500
Mahr Reservoir Chlorine Injection System	-	-	375,000	-	375,000
Desalinated Water Connection	-	350,000	-	-	350,000
Equipment	155,000	-	167,000	-	322,000
Encina Land Parallel Outfall	-	-	-	310,000	310,000
Questhaven Basin Water and Sewer Facilities	-	145,000	-	145,000	290,000
South Lake Dam Sluice Gate	250,000	-	-	-	250,000
Land Outfall Clearing & Access Road	-	-	222,000	-	222,000
Vehicles	37,100	-	209,900	-	247,000
Master PLC Replacement & Programming Updates	80,000	-	80,000	-	160,000
District-wide Valve Replacement Program	156,000	-	-	-	156,000
Annual Sewer Replacement and I & I Repairs	-	-	150,000	-	150,000
Audiovisual Upgrade	90,000	-	60,000	-	150,000
Knoll Road Sewer Replacement	-	-	145,000	-	145,000
North Vista Pressure Reducing Station Upgrade	140,000	-	-	-	140,000
South Vista Pressure Reducing Station Upgrade	135,000	-	-	-	135,000
HVAC Improvements	64,000	-	64,000	-	128,000
Mechanical/Electrical Department Offices	50,000	-	50,000	-	100,000
Vallecitos VII B - Meter Upgrade	100,000	-	-	-	100,000
Lift Station 1 Wet Well Carbon Scrubber	-	-	86,000	-	86,000
City of San Marcos Joint Projects	48,800	-	31,200	-	80,000
Miscellaneous Projects	183,700	40,000	585,600	78,000	887,300
Fund OPEB Trust	25,500	-	18,500	-	44,000
Debt Service - 2012 Debt	-	-	-	781,300	781,300
Debt Service - 2008 Loan	-	-	-	458,000	458,000
Debt Service - 2005 COPs	-	2,251,000	-	2,167,000	4,418,000
Less Total Appropriations/Transfers	2,440,600	4,251,200	8,508,700	6,546,600	21,747,100
Projected June 30, 2015 Balance	25,639,400	(7,360,200)	26,064,300	(3,657,600)	***$ 40,685,900***
Less Operating Reserves	(4,968,000)	-	(5,857,200)	-	(10,825,200)
Projected reserve/restricted funds	$ 20,671,400	$ (7,360,200)	$ 20,207,100	$ (3,657,600)	$ 29,860,700
Adopted replacement reserve floor	$ 4,718,800		$ 5,825,000		
Adopted replacement reserve ceiling	$ 20,985,100		$ 23,620,600		

See significant assumptions on page 119

RESERVE PROJECTION FOR THE YEAR ENDING JUNE 30, 2016

	110 Water 120		210 Wastewater 220		
	Replacement	Capacity	Replacement	Capacity	Total
Projected July 1, 2015 Balance	$ 25,639,400	$ (7,360,200)	$ 26,064,300	$ (3,657,600)	$ 40,685,900
Revenues and Transfers In					
Operating Transfers	7,205,000	-	6,613,000	-	13,818,000
Capital Facility Fees	-	1,776,000	-	2,829,000	4,605,000
Property Tax	895,000	-	714,000	-	1,609,000
Investment Earnings	161,000	(43,000)	149,000	(30,000)	237,000
Payment on Land Sale to City	74,000	-	74,000	-	148,000
Available Balance	33,974,400	(5,627,200)	33,614,300	(858,600)	61,102,900
Less 15/16 Appropriations and Transfers Out					
Encina Wastewater Auth 5 Year Cap Plan	-	-	3,350,000	-	3,350,000
San Marcos interceptor sewer	-	-	821,500	1,828,500	2,650,000
Rock Springs Sewer Replacement	-	-	315,000	385,000	700,000
Future Projects	273,800	-	91,200	-	365,000
Audiovisual Upgrade	210,000	-	140,000	-	350,000
Asset Management Replacement Schedule	150,000	-	150,000	-	300,000
Encina Land Parallel Outfall	-	-	-	300,000	300,000
Water and Sewer Master Plan	-	150,000	-	150,000	300,000
Desalinated Water Connection	-	250,000	-	-	250,000
Wulff Pressure Reducing Station	240,000	-	-	-	240,000
Tertiary Filter Media	-	-	195,000	-	195,000
Trioxyn Injection Station	-	-	-	178,000	178,000
Montiel Lift Station Replacement	-	-	54,500	54,500	109,000
Annual Sewer Replacement and I & I Repairs	-	-	100,000	-	100,000
Richland Invert Replacement	-	-	31,500	38,500	70,000
Northwest Lake San Marcos Sewer Replacement	-	-	70,000	-	70,000
MRF Headworks Building Hoist System	-	-	60,000	-	60,000
Environmental Mitigation Property	-	5,000	-	45,000	50,000
Nitrate Monitoring Meters	-	-	25,000	-	25,000
Lift Station 1 Wet Well Carbon Scrubber	-	-	25,000	-	25,000
Sewer Flow Trending Meter Replacement	-	-	18,000	-	18,000
Palos Vista Pump Station Refurbish & Upgrade	15,000	-	-	-	15,000
MRF Tertiary Filter Valve Actuator Controls	-	-	14,300	-	14,300
City of San Marcos Joint Projects	7,900	-	5,100	-	13,000
1208 Valve Cans and Lids Upgrade	5,000	-	-	-	5,000
Linda Vista Sewer East	-	-	(105,800)	(129,200)	(235,000)
Fund OPEB Trust	5,800	-	4,200	-	10,000
Debt Service - 2012 Debt	-	-	-	781,100	781,100
Debt Service - 2008 Loan	-	-	-	457,200	457,200
Debt Service - 2005 COPs	-	2,251,500	-	2,167,500	4,419,000
Less Total Appropriations/Transfers	907,500	2,656,500	5,364,500	6,256,100	15,184,600
Projected June 30, 2016 Balance	33,066,900	(8,283,700)	28,249,800	(7,114,700)	***$ 45,918,300***
Operating Reserves	(5,167,200)	-	(5,895,100)	-	(11,062,300)
Rate Stabilization	(5,403,200)	-	-	-	(5,403,200)
Projected reserve/restricted funds	$ 22,496,500	$ (8,283,700)	$ 22,354,700	$ (7,114,700)	$ 29,452,800
Adopted replacement reserve floor	$ 5,174,600		$ 6,281,500		
Adopted replacement reserve ceiling	$ 22,496,500		$ 27,001,800		

Debt service coverage	*358%*
Debt service coverage without cap fees	*277%*
Debt service coverage without cap fees or property tax	*248%*
Days of Operating Expenses in Unrestricted Cash and Investments	*363*

See significant assumptions on page 119

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	$ 33,066,900	$ (8,283,700)	$ 28,249,800	$ (7,114,700)	$ 45,918,300
Revenues and Transfers In					
Operating Transfers	4,143,000	-	7,014,000	-	11,157,000
Capital Facility Fees	-	1,456,000	-	2,891,000	4,347,000
Property Tax	908,000	-	725,000	-	1,633,000
Investment Earnings	193,000	(50,000)	163,000	(46,000)	260,000
Payment on Land Sale to City	74,000	-	74,000	-	148,000
Available Balance	38,384,900	(6,877,700)	36,225,800	(4,269,700)	63,463,300
Less 16/17 Appropriations and Transfers Out					
Encina Wastewater Auth 5 Year Cap Plan	-	-	3,325,000	-	3,325,000
San Marcos interceptor sewer	-	-	496,000	1,104,000	1,600,000
Future Projects	675,000	-	225,000	-	900,000
High Point Pipeline	-	700,000	-	-	700,000
City of San Marcos Joint Projects	305,000	-	195,000	-	500,000
Montiel Lift Station Replacement	-	-	180,000	180,000	360,000
Northwest Lake San Marcos Sewer Replacement	-	-	330,000	-	330,000
Encina Land Parallel Outfall	-	-	-	300,000	300,000
Asset Management Replacement Schedule	150,000	-	150,000	-	300,000
Trioxyn Injection Station	-	-	-	220,000	220,000
Richland Invert Replacement	-	-	90,000	110,000	200,000
Annual Sewer Replacement and I & I Repairs	-	-	100,000	-	100,000
Environmental Mitigation Property	-	10,000	-	90,000	100,000
Nitrate Monitoring Meters	-	-	25,000	-	25,000
Sewer Flow Trending Meter Replacement	-	-	18,000	-	18,000
Palos Vista Pump Station Refurbish & Upgrade	15,000	-	-	-	15,000
MRF Tertiary Filter Valve Actuator Controls	-	-	14,500	-	14,500
1208 Valve Cans and Lids Upgrade	5,000	-	-	-	5,000
Debt Service - 2011 debt	-	-	-	782,600	782,600
Debt Service - 2008 Loan	-	-	-	456,100	456,100
Debt Service - 2005 COPs	-	2,251,500	-	2,167,500	4,419,000
Less Total Appropriations/Transfers	1,150,000	2,961,500	5,148,500	5,410,200	14,670,200
Projected June 30, 2017 Balance	37,234,900	(9,839,200)	31,077,300	(9,679,900)	***$ 48,793,100***
Operating Reserves	(5,538,100)	-	(6,191,000)	-	(11,729,100)
Rate Stabilization	(7,682,900)	-	-	-	(7,682,900)
Projected reserve/restricted funds	$ 24,013,900	$ (9,839,200)	$ 24,886,300	$ (9,679,900)	$ 29,381,100
Adopted replacement reserve floor	$ 5,689,400		$ 6,939,300		
Adopted replacement reserve ceiling	$ 24,013,900		$ 30,813,500		

Debt service coverage	*307%*
Debt service coverage without cap fees	*231%*
Debt service coverage without cap fees or property tax	*202%*
Days of Operating Expenses in Unrestricted Cash and Investments	*337*

See significant assumptions on page 119

RESERVE PROJECTION FOR THE YEARS ENDING JUNE 30, 2018

	110 Water 120		210 Wastewater 220		
	Replacement	Capacity	Replacement	Capacity	Total
Projected July 1, 2017 Balance	$ 37,234,900	$ (9,839,200)	$ 31,077,300	$ (9,679,900)	$ 48,793,100
Revenues and Transfers In					
Operating Transfers	3,461,000	-	7,135,000	-	10,596,000
Capital Facility Fees	-	1,493,000	-	2,956,000	4,449,000
Property Tax	922,000	-	736,000	-	1,658,000
Investment Earnings	214,000	(56,000)	178,000	(57,000)	279,000
Payment on Land Sale to City	74,000	-	74,000	-	148,000
Available Balance	41,905,900	(8,402,200)	39,200,300	(6,780,900)	65,923,100
Less 17/18 Appropriations and Transfers Out					
Encina Wastewater Auth 5 Year Cap Plan	-	-	3,367,000	-	3,367,000
Future Projects	1,020,000	-	340,000	-	1,360,000
Northwest Lake San Marcos Sewer Replacement	-	-	1,100,000	-	1,100,000
Montiel Lift Station Replacement	-	-	365,000	365,000	730,000
Richland Invert Replacement	-	-	150,800	184,200	335,000
Encina Land Parallel Outfall	-	-	-	300,000	300,000
Annual Sewer Replacement and I & I Repairs	-	-	100,000	-	100,000
Environmental Mitigation Property	-	10,000	-	90,000	100,000
Coronado Hills Tank #2	-	50,000	-	-	50,000
Sewer Flow Trending Meter Replacement	-	-	18,000	-	18,000
Debt Service - 2011 Debt	-	-	-	782,800	782,800
Debt Service - 2008 Loan	-	-	-	454,700	454,700
Debt Service - 2005 COPs	-	2,238,700	-	2,155,300	4,394,000
Less Total Appropriations/Transfers	1,020,000	2,298,700	5,440,800	4,332,000	13,091,500
Projected June 30, 2018 Balance	40,885,900	(10,700,900)	33,759,500	(11,112,900)	***$ 52,831,600***
Operating Reserves	(5,875,400)	-	(6,582,100)	-	(12,457,500)
Rate Stabilization	(9,459,200)	-	-	-	(9,459,200)
Projected reserve/restricted funds	$ 25,551,300	$(10,700,900)	$ 27,177,400	$(11,112,900)	$ 30,914,900
Adopted replacement reserve floor	$ 6,205,200		$ 7,636,900		
Adopted replacement reserve ceiling	$ 25,551,300		$ 34,197,500		

Debt service coverage	*302%*
Debt service coverage without cap fees	*223%*
Debt service coverage without cap fees or property tax	*193%*
Days of Operating Expenses in Unrestricted Cash and Investments	*341*

See significant assumptions on page 119

VALLECITOS WATER DISTRICT

RESERVE PROJECTION FOR THE YEAR ENDING JUNE 30, 2019

	110 Water 120		210 Wastewater 220		
	Replacement	Capacity	Replacement	Capacity	Total
Projected July 1, 2018 Balance	$ 40,885,900	$ (10,700,900)	$ 33,759,500	$ (11,112,900)	$ 52,831,600
Revenues and Transfers In					
Operating Transfers	2,774,000	-	7,608,000	-	10,382,000
Capital Facility Fees	-	1,530,000	-	3,021,000	4,551,000
Property Tax	936,000	-	747,000	-	1,683,000
Investment Earnings	235,000	(63,000)	199,000	(63,000)	308,000
Available Balance	44,830,900	(9,233,900)	42,313,500	(8,154,900)	69,755,600
Less 18/19 Appropriations and Transfers Out					
Encina Wastewater Auth 5 Year Cap Plan	-	-	3,285,000	-	3,285,000
Coronado Hills Tank #2	-	690,000	-	-	690,000
Encina Land Parallel Outfall	-	-	-	300,000	300,000
Annual Sewer Replacement and I & I Repairs	-	-	100,000	-	100,000
Environmental Mitigation Property	-	10,000	-	90,000	100,000
Debt Service - 2011 Debt	-	-	-	807,600	807,600
Debt Service - 2008 Loan	-	-	-	452,900	452,900
Debt Service - 2005 COPs	-	2,257,100	-	2,172,900	4,430,000
Less Total Appropriations/Transfers	-	2,957,100	3,385,000	3,823,400	10,165,500
Projected June 30, 2019 Balance	44,830,900	(12,191,000)	38,928,500	(11,978,300)	***$ 59,590,100***
Operating Reserves	(6,252,700)	-	(6,834,100)	-	(13,086,800)
Rate Stabilization	(11,672,900)	-	-	-	(11,672,900)
Projected reserve/restricted funds	$ 26,905,300	$ (12,191,000)	$ 32,094,400	$ (11,978,300)	$ 34,830,400
Adopted replacement reserve floor	$ 6,376,300		$ 10,390,800		
Adopted replacement reserve ceiling	$ 26,905,300		$ 37,788,200		

Debt service coverage	*297%*
Debt service coverage without cap fees	*217%*
Debt service coverage without cap fees or property tax	*188%*
Days of Operating Expenses in Unrestricted Cash and Investments	*361*

See significant assumptions on page 119

LONG RANGE RESERVE PROJECTION

	2019/20	2020/21	2021/22	2022/23	2023/24
Projected Beginning Balance	$ 59,590,000	$ 63,277,000	$ 67,397,000	$ 71,963,000	$ 76,986,000
Operating transfers	10,642,000	10,908,000	11,181,000	11,461,000	11,748,000
Capital facility fees	4,665,000	4,782,000	4,902,000	5,025,000	5,151,000
Property tax	1,708,000	1,734,000	1,760,000	1,786,000	1,813,000
Investment earnings	337,000	358,000	382,000	408,000	437,000
Capital outlay	(8,060,000)	(8,060,000)	(8,060,000)	(8,060,000)	(8,060,000)
Debt service	(5,605,000)	(5,602,000)	(5,599,000)	(5,597,000)	(5,593,000)
Projected Ending Balance	$ 63,277,000	$ 67,397,000	$ 71,963,000	$ 76,986,000	$ 82,482,000
Operating reserves	(13,414,000)	(13,749,000)	(14,093,000)	(14,445,000)	(14,806,000)
Projected reserve/restricted funds	$ 49,863,000	$ 53,648,000	$ 57,870,000	$ 62,541,000	$ 67,676,000
Adopted replacement reserve floor	$ 19,798,000	$ 22,458,000	$ 23,679,000	$ 25,027,000	$ 26,200,000
Adopted replacement reserve ceiling	$ 69,953,000	$ 76,061,000	$ 80,250,000	$ 84,993,000	$ 89,664,000

Significant Assumptions

Operating Transfers - the result of operating activity transferred from the disbursements fund during the year.

Tiers & Rates:

Water: Fiscal Year (FY) 14/15 includes rate increases adopted in October of 2013 of 10¢ (3%) to water commodity Tier 1 rate per unit (748 gallons) effective January 1, 2014, and monthly ready-to-serve (RTS) 5/8" meter of $2.13 (7.8%) effective July 1, 2014. The adopted rates also include a new tier structure by creating a new Tier 1; 0-5 units a month for all meter sizes charged at the wholesale cost of water. The per unit rate for usage in new Tiers 3 and 4 increase from 125% and 150%, respectively, to 140% and 230%, respectively, phased in over a two-year period. For water commodity charges subsequent to 2015, the retail portion of the charge is reduced to offset wholesale increase. There is no change to the consumption rate, other than the final phase-in from 2016 to 2017. The tiered rates for 2017 and subsequent years are assumed to be: wholesale for Tier 1, $3.70 for Tier 2, $5.18 for Tier 3, and $8.51 for Tier 4.

Sewer: Monthly sewer for a single family resident will increase $1.54 (4.3%) in fiscal year 2014/15, and 4% for all subsequent years.

Operating Expense Assumptions - Over the next five years, cost of wholesale water commodity will increase by 58% and wholesale fixed charges will increase 32%. Power, fuel, and chemical costs will increase by 3% while most other operating costs will increase by 2.5% from year-to-year. The District will add 300 water accounts in 2014/15, 250 in 2015/16, and 200 in 2016/17 and every year thereafter. The District will add 250 sewer accounts in 2014/15, 2015/16, and 2016/17 and 200 sewer accounts each year thereafter.

Capital Facility and Impact Fees – The District will collect capacity charges for 300 water EDUs in 2014/15 and 250 in 2015/16 and 200 EDUs in each fiscal year 2016/17, 2017/18 and 2018/19. The District will collect capacity charges for 250 sewer EDUs in each fiscal year beginning in 2014/15 through 2018/19. The rate per EDU will increase by 2.5% each year. The District will collect impact fees for 165 EDUs in 2014/15, 279 in 2015/16, and 126 in 2017/18.

Property Tax - revenue from the 1% allocation will increase by 1.5% each year.

Investment Earnings - assumed at 0.55%.

Vallecitos Water District
Replacement Reserve Limits - Water System
For the 2014/15 Budget year

Current ENR Index	9750

Year Added	Original Cost	ENR Factor	2014 Costs	Year of Replacement 2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
1957	$ 923,038	13.47	$ 12,430,415	400,981	400,981	400,981	400,981	400,981	400,981	400,981	400,981	400,981	400,981
1958	134,201	12.85	1,723,926	55,611	55,611	55,611	55,611	55,611	55,611	55,611	55,611	55,611	55,611
1963	2,067,687	10.82	22,375,081	721,777	721,777	721,777	721,777	721,777	721,777	721,777	721,777	721,777	721,777
1964	181,560	10.42	1,891,250	61,008	61,008	61,008	61,008	61,008	61,008	61,008	61,008	61,008	61,008
1965	256,377	10.04	2,574,331	83,043	83,043	83,043	83,043	83,043	83,043	83,043	83,043	83,043	83,043
1966	107,429	9.57	1,027,903	33,158	33,158	33,158	33,158	33,158	33,158	33,158	33,158	33,158	33,158
1967	122,039	9.08	1,107,896	35,739	35,739	35,739	35,739	35,739	35,739	35,739	35,739	35,739	35,739
1968	37,421	8.44	315,892	10,190	10,190	10,190	10,190	10,190	10,190	10,190	10,190	10,190	10,190
1969	39,742	7.68	305,346	9,850	9,850	9,850	9,850	9,850	9,850	9,850	9,850	9,850	9,850
1970	37,955	7.06	267,966	8,644	8,644	8,644	8,644	8,644	8,644	8,644	8,644	8,644	8,644
1971	90,080	6.17	555,522	17,920	17,920	17,920	17,920	17,920	17,920	17,920	17,920	17,920	17,920
1972	77,091	5.56	428,772	13,831	13,831	13,831	13,831	13,831	13,831	13,831	13,831	13,831	13,831
1973	169,427	5.15	871,722	28,120	28,120	28,120	28,120	28,120	28,120	28,120	28,120	28,120	28,120
1974	141,987	4.83	685,333	22,108	22,108	22,108	22,108	22,108	22,108	22,108	22,108	22,108	22,108
1975	230,530	4.41	1,016,125	32,778	32,778	32,778	32,778	32,778	32,778	32,778	32,778	32,778	32,778
1976	296,066	4.06	1,202,267	-	38,783	38,783	38,783	38,783	38,783	38,783	38,783	38,783	38,783
1977	303,133	3.78	1,147,340	-	-	37,011	37,011	37,011	37,011	37,011	37,011	37,011	37,011
1978	3,353,752	3.51	11,779,208	-	-	-	379,974	379,974	379,974	379,974	379,974	379,974	379,974
1979	933,794	3.25	3,031,799	-	-	-	-	97,800	97,800	97,800	97,800	97,800	97,800
1980	390,894	3.01	1,177,392	-	-	-	-	-	37,980	37,980	37,980	37,980	37,980
1981	397,944	2.76	1,097,582	-	-	-	-	-	-	35,406	35,406	35,406	35,406
1982	1,933,811	2.55	4,929,322	-	-	-	-	-	-	-	159,010	159,010	159,010
1983	3,393,243	2.40	8,136,773	-	-	-	-	-	-	-	-	262,477	262,477
1984	5,435,002	2.35	12,781,300	-	-	-	-	-	-	-	-	-	412,300
1985	675,452	2.32	1,569,882	-	-	-	-	-	-	-	-	-	-
1986	611,788	2.27	1,388,809	-	-	-	-	-	-	-	-	-	-
1987	799,052	2.21	1,768,215	-	-	-	-	-	-	-	-	-	-
1988	8,585,267	2.16	18,523,203	-	-	-	-	-	-	-	-	-	-
1989	1,572,104	2.11	3,321,346	-	-	-	-	-	-	-	-	-	-
1990	2,124,484	2.06	4,377,371	-	-	-	-	-	-	-	-	-	-
1991	1,777,396	2.02	3,584,201	-	-	-	-	-	-	-	-	-	-
1992	8,263,508	1.96	16,162,328	-	-	-	-	-	-	-	-	-	-
1993	3,727,844	1.87	6,976,292	-	-	-	-	-	-	-	-	-	-
1994	2,198,280	1.80	3,963,245	-	-	-	-	-	-	-	-	-	-
1995	4,438,365	1.78	7,909,716	-	-	-	-	-	-	-	-	-	-
1996	1,872,216	1.73	3,248,062	-	-	-	-	-	-	-	-	-	-
1997	3,075,659	1.67	5,147,215	-	-	-	-	-	-	-	-	-	-
1998	4,236,142	1.65	6,976,754	-	-	-	-	-	-	-	-	-	-
1999	1,216,379	1.61	1,957,368	-	-	-	-	-	-	-	-	-	-
2000	33,016,987	1.57	51,746,604	-	-	-	-	-	-	-	-	-	-
2001	1,599,452	1.54	2,458,562	-	-	-	-	-	-	-	-	-	-
2002	2,243,174	1.49	3,345,204	-	-	-	-	-	-	-	-	-	-
2003	8,148,602	1.46	11,867,534	-	-	-	-	-	-	-	-	-	-
2004	4,803,706	1.37	6,582,833	-	-	-	-	-	-	-	-	-	-
2005	4,945,039	1.31	6,475,189	-	-	-	-	-	-	-	-	-	-
2006	6,296,020	1.26	7,919,777	-	-	-	-	-	-	-	-	-	-
2007	9,123,102	1.22	11,166,237	-	-	-	-	-	-	-	-	-	-
2008	7,200,501	1.17	8,448,241	-	-	-	-	-	-	-	-	-	-
2009	32,403,360	1.14	36,864,966	-	-	-	-	-	-	-	-	-	-
2010	4,510,327	1.11	4,996,102	-	-	-	-	-	-	-	-	-	-
2011	2,053,547	1.07	2,207,506	-	-	-	-	-	-	-	-	-	-
2012	1,249,525	1.05	1,308,860	-	-	-	-	-	-	-	-	-	-
2013	3,574,225	1.03	3,684,963	-	-	-	-	-	-	-	-	-	-
	$187,395,706		$338,807,050	1,534,757	1,573,540	1,610,551	1,990,526	2,088,326	2,126,306	2,161,712	2,320,722	2,583,199	2,995,499
Three-Year Minimum Reserve Balance				<-------$4,718,849------->									
Ten-Year Maximum Reserve Balance				<---------- $20,985,138 ---------->									

Vallecitos Water District
Replacement Reserve Limits - Wastewater System
For the 2014/15 Budget year

Current ENR Index	9750

Year Added	Original Cost	ENR Factor	2014 Costs	Year of Replacement 2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
1964	$ 1,421,340	10.42	$ 14,805,625	-	-	-	-	-	-	-	-	-	-
1965	394,116	10.04	3,957,395	247,337	-	-	-	-	-	-	-	-	-
1966	110,183	9.57	1,054,253	65,891	65,891	-	-	-	-	-	-	-	-
1967	41,816	9.08	379,615	23,726	23,726	23,726	-	-	-	-	-	-	-
1968	24,352	8.44	205,569	12,848	12,848	12,848	12,848	-	-	-	-	-	-
1969	28,784	7.68	221,154	13,822	13,822	13,822	13,822	13,822	-	-	-	-	-
1970	1,617,466	7.06	11,419,474	713,717	713,717	713,717	713,717	713,717	713,717	-	-	-	-
1971	53,601	6.17	330,556	20,660	20,660	20,660	20,660	20,660	20,660	20,660	-	-	-
1972	78,755	5.56	438,027	27,377	27,377	27,377	27,377	27,377	27,377	27,377	27,377	-	-
1973	149,279	5.15	768,058	48,004	48,004	48,004	48,004	48,004	48,004	48,004	48,004	48,004	-
1974	409,501	4.83	1,976,552	123,534	123,534	123,534	123,534	123,534	123,534	123,534	123,534	123,534	123,534
1975	189,378	4.41	834,736	52,171	52,171	52,171	52,171	52,171	52,171	52,171	52,171	52,171	52,171
1976	151,559	4.06	615,452	38,466	38,466	38,466	38,466	38,466	38,466	38,466	38,466	38,466	38,466
1977	394,775	3.78	1,494,199	93,387	93,387	93,387	93,387	93,387	93,387	93,387	93,387	93,387	93,387
1978	930,683	3.51	3,268,789	204,299	204,299	204,299	204,299	204,299	204,299	204,299	204,299	204,299	204,299
1979	697,184	3.25	2,263,584	141,474	141,474	141,474	141,474	141,474	141,474	141,474	141,474	141,474	141,474
1980	139,384	3.01	419,831	26,239	26,239	26,239	26,239	26,239	26,239	26,239	26,239	26,239	26,239
1981	192,586	2.76	531,178	-	33,199	33,199	33,199	33,199	33,199	33,199	33,199	33,199	33,199
1982	4,772,279	2.55	12,164,633	-	-	760,290	760,290	760,290	760,290	760,290	760,290	760,290	760,290
1985	5,149,309	2.32	11,968,001	-	-	-	-	-	748,000	748,000	748,000	748,000	748,000
1986	19,355,791	2.27	43,939,223	-	-	-	-	-	-	2,746,201	2,746,201	2,746,201	2,746,201
1987	381,136	2.21	843,413	-	-	-	-	-	-	-	52,713	52,713	52,713
1988	1,232,431	2.16	2,659,040	-	-	-	-	-	-	-	-	166,190	166,190
1989	2,001,761	2.11	4,229,073	-	-	-	-	-	-	-	-	-	264,317
1990	3,031,169	2.06	6,245,541	-	-	-	-	-	-	-	-	-	-
1991	1,864,618	2.02	3,760,088	-	-	-	-	-	-	-	-	-	-
1992	3,162,421	1.96	6,185,277	-	-	-	-	-	-	-	-	-	-
1993	13,446,724	1.87	25,164,215	-	-	-	-	-	-	-	-	-	-
1994	2,113,222	1.80	3,809,895	-	-	-	-	-	-	-	-	-	-
1995	3,276,618	1.78	5,839,339	-	-	-	-	-	-	-	-	-	-
1996	1,199,768	1.73	2,081,448	-	-	-	-	-	-	-	-	-	-
1997	988,964	1.67	1,655,063	-	-	-	-	-	-	-	-	-	-
1998	4,670,391	1.65	7,691,945	-	-	-	-	-	-	-	-	-	-
1999	1,047,495	1.61	1,685,604	-	-	-	-	-	-	-	-	-	-
2000	3,954,391	1.57	6,197,607	-	-	-	-	-	-	-	-	-	-
2001	2,705,995	1.54	4,159,459	-	-	-	-	-	-	-	-	-	-
2002	109,018	1.49	162,577	-	-	-	-	-	-	-	-	-	-
2003	9,260,829	1.46	13,487,369	-	-	-	-	-	-	-	-	-	-
2004	3,031,642	1.37	4,154,458	-	-	-	-	-	-	-	-	-	-
2005	2,984,298	1.31	3,907,734	-	-	-	-	-	-	-	-	-	-
2006	7,245,244	1.26	9,113,808	-	-	-	-	-	-	-	-	-	-
2007	(10,129,834)	1.22	(12,398,429)	-	-	-	-	-	-	-	-	-	-
2008	9,022,922	1.17	10,586,461	-	-	-	-	-	-	-	-	-	-
2009	37,476,922	1.14	42,637,105	-	-	-	-	-	-	-	-	-	-
2010	3,860,825	1.11	4,276,647	-	-	-	-	-	-	-	-	-	-
2011	1,487,477	1.07	1,598,997	-	-	-	-	-	-	-	-	-	-
2012	3,612,924	1.05	3,784,487	-	-	-	-	-	-	-	-	-	-
2013	(1,398,127)	1.02	(1,427,856)	-	-	-	-	-	-	-	-	-	-
	$147,943,365		$275,146,269	1,852,953	1,638,814	2,333,213	2,309,487	2,296,639	3,030,817	5,063,301	5,095,355	5,234,168	5,450,481

Three-Year Minimum Reserve Balance <------$5,824,980------->

Eight-Year Maximum Reserve Balance <---------- $23,620,579 ---------->