



Annual Operating & Capital Improvement Budget

Fiscal Year Ending June 30, 2021
Fallbrook, CA

ANNUAL OPERATING CAPITAL & IMPROVEMENT BUDGET

FOR FISCAL YEAR ENDING JUNE 30, 2021



Rainbow Municipal Water District

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COMMITTED TO EXCELLENCE

RAINBOW MUNICIPAL WATER DISTRICT ANNUAL OPERATING AND CAPITAL IMPROVEMENT BUDGET

FISCAL YEAR ENDING JUNE 30, 2021

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EXECUTIVE SUMMARY

FISCAL YEAR 2021 BUDGET MESSAGE

RAINBOW MUNICIPAL WATER DISTRICT

To our Ratepayers, Members of the Budget & Finance Committee, and the Board of Directors of Rainbow Municipal Water District:

On behalf of the Rainbow Municipal Water District (RMWD), we are pleased to present for your consideration our 2020-21 Fiscal Year Operating and Capital Improvement Budget. The budget provides a forecast of the sources and uses of funds and serves as a managerial tool for guiding the District towards achieving its goals outlined in the Strategic Plan. Our Strategic Plan is used to set priorities, focus energy and resources, strengthen operations, ensure that employees are working towards common goals, and assess and adjust the District's direction in response to the changing environment. This plan defines the priorities and influences the development of the budgetary commitments needed in the upcoming fiscal year. The budget message will highlight some of the significant goals and priorities accomplished in the current budget year, as well as highlight priorities for the coming year.

Challenges

This past year has brought unprecedented challenges to RMWD and the world with the Covid-19 pandemic. Fortunately, the lessons learned from the 2017 Lilac fire helped us prepare for this type of situation. Starting in calendar year 2018, staff worked to update payroll, time tracking, service orders, utility billing and financial services software to cloud-based software applications. These efforts were completed in mid-2019 which made it possible for the district to transition to a work from home model very rapidly. Our phone system had also been updated, allowing us to forward calls to district cell phones that customer service could use to continue taking calls while working remotely.

Water Affordability

In December 2019, the Rainbow Board of Directors took bold action to keep rates from climbing by authorizing the filing of an application with San Diego County Local Agency Formation Commission (LAFCO) to detach from the San Diego County Water Authority (SDCWA) and change our wholesale water provider to Eastern Municipal Water District. This is a significant undertaking, but the process is clearly outlined in State law and once complete the change in wholesalers will provide significant savings for our community without any changes in water supply reliability or quality.

For decades, our customers and residents have been paying to fund services and infrastructure to support other agencies further south in the County without receiving commensurate benefits. Once the change in wholesale providers is completed, water customers will see a very minor increase in their cost that represents the true cost for their water services, as our customers have essentially subsidized the construction and operation of facilities that we do not use or have access to for decades.

Due to the planned detachment, the Rainbow board choose to hold the line on a rate increase since relief was on the way – even though SDCWA had raised fixed rates 6% for calendar year 2020. We had hoped for a speedy process at LAFCO, but unfortunately our Board’s actions have now been responded to with a lawsuit and other procedural hurdles at LAFCO that will delay our eventual annexation. Based on this, and with the additional increases coming from SDCWA again in 2021, we will have no choice but to pass through these increased charges from SDCWA to our customers. As of June 30, 2020, RMWD has absorbed approximately \$389,328 of rate increases that would have been passed through to customers. By January 1, 2021, RMWD will have absorbed nearly \$1 Million in added SDCWA costs. While our small but prudent reserves allowed us to provide this rate relief in the short term, it is not sustainable for multiple years.

The change in water suppliers will not impact water reliability and will provide a savings of almost \$7,000,000 per year immediately and eliminate the exposure of our customers to rate increases from SDCWA related to infrastructure that we don’t use and don’t have access to., The significant cost savings that will result from this change will help the District fund crucial pipeline replacement projects, make the District’s water more affordable for the community, and help sustain the region’s agricultural industry.

Accomplishments in Current FY 2019-20

- The District developed the Annual Budget in compliance with GFOA standards (4th consecutive year). The Finance staff worked diligently on FY 19-20 budget to adhere to the criteria requirements of GFOA budget standards. The report was submitted to GFOA for possible consideration, and we are proud to have received Recognition of Distinguished Budget Presentation Award for the Fiscal Year 2019-20 budget.
- The District implemented Infor Public Sector, Utility Billing software, a modern cloud based utility billing and customer information management system. The District previously transitioned from its legacy software DataStream to Springbrook in late 2015 for the finance applications and in November 2016 fully migrated the Utility Billing. Regrettably, the Springbrook software and software support had fallen short of many of the promises made. It had numerous functional flaws that challenge staff daily, and the level of support was inadequate. Infor software is of much higher quality than Springbrook and is used by Fortune 100 organizations and other local water agencies. It is a sophisticated software with tremendous capabilities in terms of interfacing with our other information systems.
- The District implemented Infor CloudSuite Financials cloud-based software. The finance and purchasing software were also on the Springbrook software that had numerous deficiencies. Accounts Payable, Purchasing, and General Ledger will all be moved to Infor. Installation began in February 2019 with a July 1, 2019 go live date.
- The Board approved an Agreement with the Fallbrook Public Utility District to perform a feasibility study for a cooperative project between RMWD, FPUD, and Camp Pendleton to

develop a possible Indirect Potable Reuse project using groundwater basins on the base. While there are no definitive answers yet, this sort of project has the potential to deliver a true local drought proof supply of water.

Priorities for Fiscal Year 2020-21 include:

- Work with the new auditing firm to bring the annual financial statements in compliance with the Government Finance Officers Association (GFOA) Achievement for Excellence in Financial Reporting Program (CAFR Program).
- Continue Implementing District Wide Pressure Management Program – as part of the District’s Capital Improvement Plan; the District plans to increase system reliability by active pressure management. This initiative will install pressure regulation stations (PRS) in areas of high pressure to decrease pressure to manageable levels. High-pressure areas are prone to an increased frequency of pipe breaks and lower pipeline lifetime expectancy.
- Prepare a Programmatic Environmental Impact Report for ongoing pipeline rehabilitation and replacement projects. According to the condition assessment completed by HDR, the District must begin to replace aging infrastructure at a rate of 0.8% per year to continue to remain within acceptable levels of service and must commence this work in the near future. The Programmatic Environmental Impact Report is the first step necessary to ramp up the pipe rehab and replacement program because environmental research and mitigation efforts, when done on an individual project basis, have a tendency to delay projects and increase costs. Completing this upfront will allow the District to complete small rehabilitation and replacement projects efficiently.
- Update the District’s Emergency Response Plan and conduct District-wide training and drills to keep workforce well prepared for disaster events. Also develop a new safety incentive program to reward safe practices, reporting of near misses or hazardous conditions, and implementation of preventive measures.
- Continue the work required to successfully complete the LAFCO process to detach from SDCWA and annex into Eastern MWD.
- Complete the first stages of the FPUD/Camp Pendleton Indirect Potable Reuse feasibility study.

Revenue Assumptions

Each year, the Board of Directors approves the Budget as the District’s foundational financial plan. It is a cash-based projection of revenues and expenditures needed for operations, maintenance, administration, debt service and capital improvements associated with delivering high-quality service to customers throughout the year. Specifically, the Budget incorporates conservative revenue estimates, prudent spending plans, and a thorough review of necessary

capital improvements to ensure the long-term sustainability of the District. In developing the budget, staff considered both internal and external factors including the economy, weather, regulatory requirements, and the condition and age of the District's infrastructure.

This year water sales have continued the years-long pattern of decline. While we have had wetter than normal winters over the last two years, the loss of agricultural production due to high water costs and increased irrigation efficiency have also continued to impact sales. For FY2020, sales are predicted to just surpass 13,400-acre feet. While increased revenues from new service connections as a result of development can help soften the reduction in water sales this year, new service connections have slowed down to 93 new water meters in 2019, compared to 479 in 2018, and 70 new sewer EDUs, compared to 854 additions in the previous year. FY 2021-22 is expected to see a significant increase with the addition of the Meadowood Development, but this addition has not been included in this budget cycle.

The last few years were the lowest water sales since the inception of the District, barely recovering cost. At these reduced volumetric sales levels, the District will not be able to appropriately contribute to capital reserve levels for much-needed pipeline replacement projects. While this may be acceptable for a short period, over time there are significant consequences to our ability to replace our aging infrastructure. As such, the direction the Board took was to reduce the reliance on variable revenue steadily over the next few years.

Revenues include only the SDCWA pass through increases effective January 1, 2021. Due to multiple years of low sales, this budget has been calculated based on sales of 13,500-acre-feet. The prior year sales were 13,771-acre feet and are projected to be just over 13,400-acre feet in the current year.

Expense Assumptions

The largest expense of the District is purchased water from San Diego County Water Authority (SDCWA). Depending on the projections of volumetric sales, in this forecast of the cost we will be using the 13,500-acre-feet of sales plus the estimated 5% of water loss to arrive at an estimated cost of \$22.3M of purchased water including fixed fees assessed by SDCWA. The SDCWA increased their fixed fees by 6% this year.

Operating expenses have remained consistent from previous years, with labor cost constituting the second largest operating expense for the District. Under the current organizational structure, the span of control of the leadership team ranges from one direct report to six direct reports.

Capital equipment purchases for all funds are \$869,000. Of this, \$380,000 relates to equipment for vehicle replacement.

Additionally, there is approximately \$20.4 million of capital improvement projects included in this year's budget. This amount represents the projects anticipated for the coming year that were scheduled on the District's five-year Capital Improvement Plan (CIP) and as such

have the appropriate dedicated funding sources. A detailed list of planned CIP projects is included in the Capital section of this document.

Future Outlook/Conclusion

As a ratepayer centered agency, RMWD focuses on continuously providing reliable, high-quality water while maintaining the organizational capacity needed to service all current and future ratepayers within the District's service area. Another fundamental focal point of interest to the District is supplying the needs of these customers at the lowest cost. Part of this effort is finding different avenues of diversifying our water source. Presently, the District is 100% reliant on one single source of imported water. The staff has been actively exploring other options of obtaining a second source of water supply as well as an alternate less expensive supply. One of the first key focus areas of our Strategic Plan calls for diversification of water supply sources.

In order to examine other potential water sources, it is imperative that the District has a stable revenue source to fund the development of these supplies as well as to make needed replacements to aging pipelines in our system. Accordingly, beginning in August 2017, the District initiated a Cost of Service Study and 5-Year Financial Plan. After completing the study and sharing its results with the public, the Board of Directors approved at its February 2018 board meeting to increase water and wastewater rates for the year and review them annually. The last increase in rates took effect April 1, 2019 and was used to project FY 2020-21 Budgeted revenues.

In closing, these key initiatives, in addition to District daily operations, will enable continued high quality and reliable water and wastewater service to our customers. In the coming year, the District will re-establish appropriate levels of infrastructure expenditures while remaining committed to the strategic management of water resources and finances to meet customer needs. We look forward to another year of meeting the Strategic Plan goals and objectives outlined in detail later in this document.

Respectfully submitted,



Tom Kennedy, General Manager

RESOLUTION TO ADOPT

RESOLUTION NO. 20-10

RESOLUTION OF THE BOARD OF DIRECTORS OF RAINBOW MUNICIPAL WATER DISTRICT ADOPTING THE ANNUAL OPERATING AND CAPITAL IMPROVEMENT BUDGET FOR THE FISCAL YEAR ENDING JUNE 30, 2021

WHEREAS, the Rainbow Municipal Water District (“District”) is organized and operates pursuant to the Municipal Water District Law of 1911 commencing with Section 71000 of the California Water Code; and

WHEREAS, there has been presented to the Board of Directors a proposed Annual Operating and Capital Improvement Budget for The Fiscal Year Ending June 30, 2021 (“2021 Budget”); and

WHEREAS, on June 23, 2020, the Board of Directors received and considered all comments regarding the proposed 2021 Budget; and

WHEREAS, the proposed 2021 Budget has been reviewed and considered by the Board of Directors and it has been determined to be in the best interests of the District to adopt said budget for the sound financial operation of the District.

BE IT HEREBY RESOLVED by the Board of Directors of Rainbow Municipal Water District as follows:

1. The 2021 Budget, as detailed in the budget document entitled “Annual Operating and Capital Improvement Budget for the Fiscal Year Ending June 30, 2021,” is hereby adopted. A copy of the 2021 Budget is attached hereto and incorporated herein by reference.
2. The expenditure amounts designated for the Fiscal Year 2020-2021, pursuant to the 2021 Budget, are hereby appropriated and may be expended by the departments or funds for which they are designated.
3. The proposed amount of the San Diego County Water Authority Rate pass-through, as allowed shall be increased effective 01/01/2021.
4. The Recitals set forth above are incorporated herein and made an operative part of this Resolution.
5. If any section, subsection, sentence, clause or phrase in this Resolution or the application thereof to any person or circumstances is for any reason held invalid, the validity of the remainder of this Resolution or the application of such provisions to other persons or circumstances shall not be affected thereby. The Board of Directors hereby declares that it would have passed this Resolution and each section, subsection, sentence, clause or phrase thereof, irrespective of the fact that one or more sections, subsections, sentences, clauses, or phrases or the application thereof to any person or circumstance be held invalid.
6. This Resolution will be effective immediately upon adoption.

PASSED, APPROVED, AND ADOPTED in Open Session at a meeting of the Board of Directors of the Rainbow Municipal Water District held on the 23rd day of June 2020 by the following vote, to wit:

AYES: Directors Brazier, Gasca, Hamilton, Mack and Rindfleisch
NOES: None
ABSENT: None
ABSTAIN: None



Helene Brazier, Board President

ATTEST:

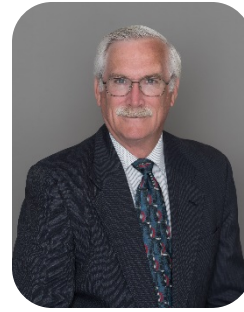


Dawn M. Washburn, Board Secretary

RAINBOW MUNICIPAL WATER DISTRICT OFFICIALS



Helene Brazier - President



Hayden Hamilton – Vice President



Carl Rindfleisch - Director



Michael Mack - Director



Miguel Gasca - Director



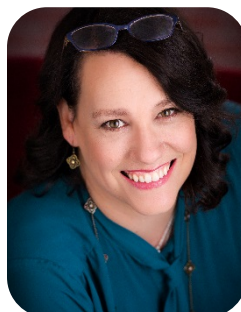
**Tom Kennedy
General Manager**



**Steven Strapac
District Engineer**



**Tracy Largent
Finance Manager**



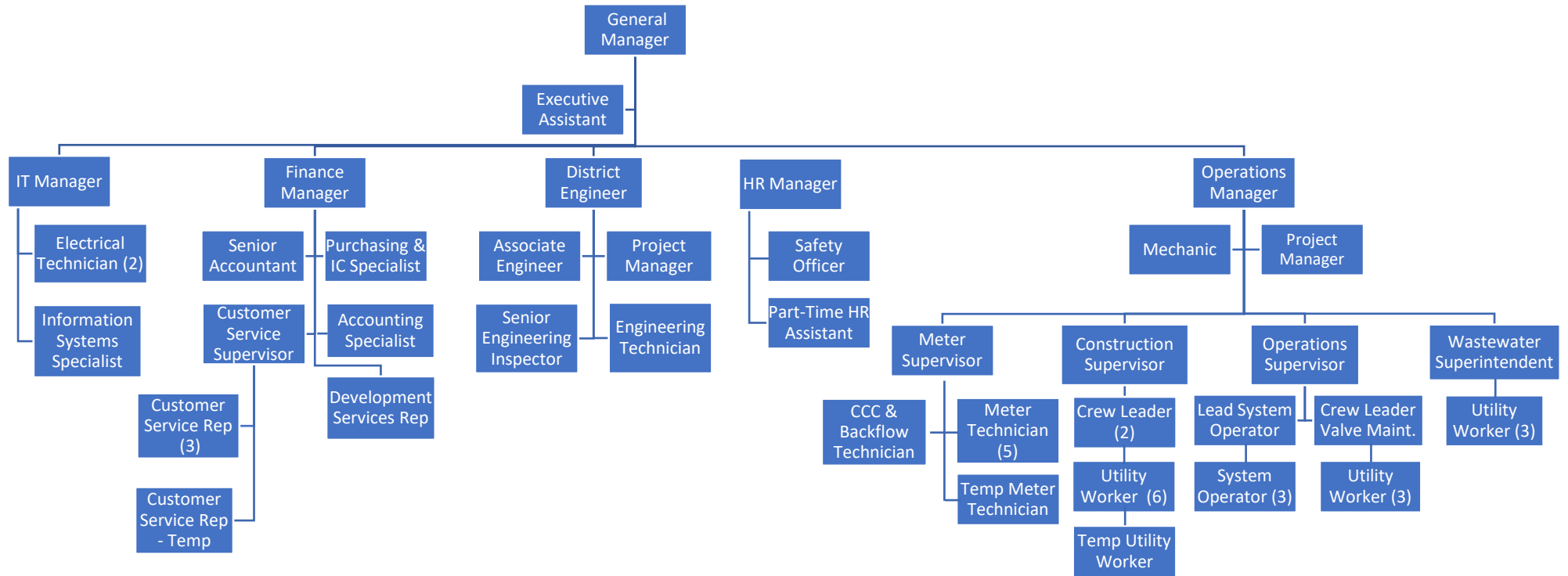
**Karleen Harp
HR Manager**



**Robert Gutierrez
Operations Manager**

RAINBOW MUNICIPAL WATER DISTRICT ORGANIZATIONAL CHART

57.5 FTE's



RAINBOW MUNICIPAL WATER DISTRICT MISSION STATEMENT & CORE VALUES



“To provide our customers reliable, high quality water and water reclamation service in a fiscally sustainable manner.”

Background

RMWD’s adopted Strategic Plan’s strategic focus area of Workforce Development calls for the implementation of cost-effective employee recognition programs to acknowledge performance, encourage development and improve morale.

The Operations Manager, Human Resources Manager, and Administrative Analyst partnered to design a program that would not only increase pride in serving the District, but also use the design of the coins to reinforce the District’s newly articulated values and strategic focus areas. The program will give employees the ability to recognize one another for performance and behaviors in alignment with these goals.

Overview of the Excellence Coin Program

The program includes a series of six Excellence Coins, each designed to symbolize a particular District focus area. The first coin in the series “Commitment to Excellence” will be issued to all new employees, Board Members, and Citizen Committee members upon joining the District as a tangible welcome gift and reminder of our purpose. Each of the remaining coins will only be issued after nomination and selection by management or peer employee groups.



Innovation:

We realize that good ideas can come from many sources, and we continually encourage new and better ways of doing our work. Our goal is not innovation for innovation's sake, but for finding ways to improve service and lower costs.



Integrity:

We believe in openness, trust, ethics and transparency. We practice direct and honest communication in all of our day-to-day interactions.



Professionalism:

We have open and respectful communication and interactions, both internally and with our customers. Our employees will always exhibit professionalism in all of their day-to-day interactions.



Responsibility:

Individual and organizational responsibility and accountability for accomplishing the District's mission is a core value. We focus on doing our work in an efficient, reliable, and cost-effective manner.



Teamwork:

Our focus is on supporting one another to collectively be our best. We encourage communication and collaboration. We focus on quality and have pride in the work we do in service to our customers.

RAINBOW MUNICIPAL WATER DISTRICT

CERTIFICATE OF AWARD

The Government Finance Officers Association of the United States and Canada (GFOA) presented the award of Distinguished Budget Presentation Award to Rainbow Municipal Water District for the annual budget for the fiscal year beginning July 1, 2019. In order to receive this award a governmental unit must publish a budget document of the very highest quality that adheres to the program standards set by the GFOA. The award is valid for a period of one year only. We believe the FY 2021 budget continues to meet the program requirements and will be submitted to the GFOA to determine its eligibility for another award.



PROFILE OF THE DISTRICT

THE DISTRICT

The Rainbow Municipal Water District was organized on December 20, 1953, under the Municipal Water District Act of 1911 (commencing with section 71000 of the California Water Code). The Board of Directors is composed of five members who are elected by divisions of the District for four-year alternating terms, with the president being elected by the Board from among its members. Advisory Committees composed of residents from all divisions of the District assist the Board in water issues and financial planning. Operation, maintenance, and administration of the system is carried out by a staff of 57 full time employees under the direction of the General Manager, Thomas Kennedy.

The Rainbow Municipal Water District, comprising a total area of 82 square miles, is located in northwestern San Diego County, approximately two hours driving time from Los Angeles and one hour from San Diego. It is approximately 40 miles northeast of downtown San Diego, California and 90 miles southeast of the City of Los Angeles. The District share common boundaries with Riverside County, Camp Pendleton Marine Corps Base, the unincorporated community of Fallbrook and the City of Oceanside. The District boundaries encompass the unincorporated communities of Rainbow and Bonsall, as well as portions of Pala, Fallbrook and Vista.

The principal activity of the District is the development and operation of a water transmission and distribution system capable of delivering potable water throughout the District. The District's area of service is predominantly agricultural and includes approximately 5,300 homes and a total metered service of 8,200. In addition to water service, the District provides sewerage collection and disposal service to approximately 2,500 accounts. On February 13, 2002, Rainbow Municipal Water District entered into a contract with the City of Oceanside, California to provide for the construction, operation, maintenance, and replacement of a wastewater system to service the needs of both The City and the District. The City owns the wastewater conveyance, treatment, and disposal facilities and the District has the contractual right to discharge wastewater into the City's system.

DISTRICT POWERS

The District has broad general powers to perform all necessary or proper acts, including but limited to the authority to acquire, plan, construct, maintain, improve, operate and repair necessary works for the transmission and distribution of water for irrigation and other purposes and for reclamation of such water; the right of eminent domain; authority to levy taxes or, in lieu thereof, to fix and collect charges for water, including standby charges made to holders of title to land to which water may be made available, whether or not the water is actually used;

authority to establish rules and regulations for the sale and distribution of water including rules for providing that water shall not be furnished to persons against whom there are delinquent water charges; authority to contract with the United States, the State and the agencies of either; and the power to join with one or more public agencies, private corporations or other persons for the purpose of carrying out any of the powers of the District.

WATER SUPPLY OPERATIONS

Since Rainbow Municipal Water District began water service in 1954, the District's source of supply has been water purchased from the San Diego County Water Authority ("SDCWA"). About 70% of the water is used for agricultural purposes; all water is of domestic quality.

SDCWA is a County Authority organized on June 9, 1944 under the County Authority Act, California Statutes 1943, Chapter 545, as amended. SDCWA's primary purpose is to supply water to areas in the County for distribution to the SDCWA's member agencies in order to meet their respective needs. SDCWA's service area encompasses 1,418.2 square miles, which represents about one-half of the land acreage of the County. There are currently 24 member agencies served by the SDCWA consisting of 6 cities, 17 special districts and the US Marine Corps base at Camp Pendleton. The SDCWA receives its water from the Metropolitan Water District of Southern California, of which the Authority is a member agency. Delivery of this water is made by San Diego County Water Authority through aqueducts, all of which traverse the District.

Historically, SDCWA depended almost exclusively on water supplies imported from the Colorado River and Northern California by the Metropolitan Water District of Southern California. That changed in 2003 with the start of the largest farm-to-urban water conservation and transfer agreement in the nation with the Imperial Irrigation District, which now accounts for about one-third of San Diego County's water supply. In late 2015, the Water Authority added a historic new water source to its portfolio with the completion of the nation's largest seawater desalination plant in Carlsbad. Today, the Water Authority and its member agencies have identified potable reuse of recycled water as the next major source of local water supply, while continuing to aggressively promote water conservation as a civic responsibility.

The Water Authority is governed by a 36-member Board of Directors representing the 24-member agencies. A member of the San Diego County Board of Supervisors also serves as a non-voting member to the Water Authority Board.

The Metropolitan Water District is a regional wholesaler that delivers water to 26-member public agencies – 14 cities, 11 municipal water districts, one county water authority – which in turn provides water to more than 19 million people in Los Angeles, Orange, Riverside, San Bernardino, San Diego and Ventura counties. The Metropolitan Water District, to supplement its water supply from the Colorado River, has entered into a contract with the State of California for the delivery of water via the State Water Project. Metropolitan is governed by a 38-member

board of directors who represent their respective member agencies ensuring each member agency is part of the governance of Metropolitan.

To supply the more than 300 cities and unincorporated areas in Southern California with reliable and safe water, Metropolitan owns and operates an extensive water system including: The Colorado River Aqueduct, 16 hydroelectric facilities, nine reservoirs, 819 miles of large-scale pipes and five water treatment plants. Four of these treatment plants are among the 10 largest plants in the world. In fact, Metropolitan is the largest distributor of treated drinking water in the United States. The District imports water from the Feather River in Northern California and the Colorado River to supplement local supplies. It also helps its member agencies develop water recycling, storage and other local resource programs to provide additional supplies and conservation programs to reduce regional demands.

Metropolitan currently delivers an average of 1.7 billion gallons of water per day to a 5,200-square-mile service area.

SYSTEM PRESSURES

The range of water pressures experienced at any location is a function of the hydraulic grade and the service elevation. Within a specific pressure zone, the hydraulic grade is affected by the reservoir or tank water level and/or pressure reducing valve settings, friction losses in the distribution system, and the flow delivered through aqueduct connections, if applicable. The maximum static pressure within a pressure zone is based on the high-water level of the reservoir or highest-pressure reducing valve setting and the elevation at any specific point in the zone. The system pressure ranges within the district between 20-475 pounds per square inch (psi). It is much more difficult to control the pressure in transmission pipelines as they must maintain the grade line of the zone and are typically less flexible in terms of installation locations. Despite the District's terrain, the vast majority of the District transmission system is within the desired maximum pressure range.

LEGEND

- XX
XX RESVR
00.0 MG
- XX'
XX TANK
- PX
- X
- XX
- X/XX
- X

**HIGH WATER ELEVATION
RESERVOIR NAME
RESERVOIR CAPACITY**

**HIGH WATER ELEVATION
TANK NAME
TANK CAPACITY**

BOOSTER PUMP STATION AND REFERENCE NO.

**SDCWA AQUEDUCT CONNECTION NO.
(MAXIMUM/MINIMUM HGL)**

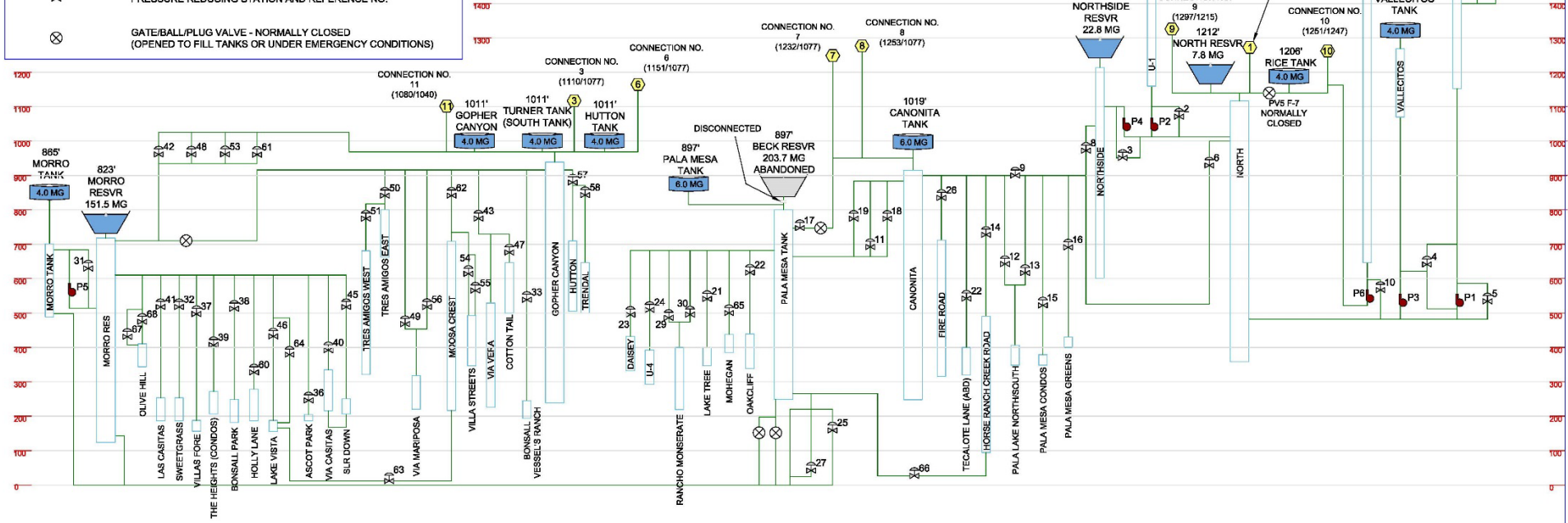
**ZONE DESIGNATION
(LENGTH OF SYMBOL REPRESENTS SERVICE ELEVATION RANGE)**

PRESSURE REDUCING STATION AND REFERENCE NO.

**GATE/BALL/PLUG VALVE - NORMALLY CLOSED
(OPENED TO FILL TANKS OR UNDER EMERGENCY CONDITIONS)**

PRESSURE REDUCING STATION REFERENCE (HI/LOW) PSI

1	MAGEE PUMP STATION BYPASS (337/220) PSI	33	BONSALL VESSELS RANCH (350/120) PSI
2	U1 U2 PUMP STATION BYPASS (170/30) PSI	34	MOOSA CANYON LINE
3	BOOSTER STATION #4 BYPASS(100/50) PSI	35	WEST LILAC PR PRESSURE RELIEF (225/0) PSI
4	VALLECITOS BYPASS (PUMP STATION N) (240/45) PSI	36	ASCOT PARK (260/70) PSI
5	PUMP STATION 1 BYPASS SOUTH (355/60) PSI	37	VILLAS FORE (260/125) PSI
6	STEWART CANYON (220/150) PSI	38	BONSALL PARK
7	MOON RIDGE (200/107)PSI	39	THE HEIGHTS (CONDOS)
8	LOS ALIBOS (210/120) PSI	40	VIA CASITAS (260/110) PSI
9	GARRET RANCH (270/187) PSI	41	LAS CASITAS (225/95) PSI
10	HUNTLEY PUMP STATION BYPASS (240/143) PSI	42	WEST LILAC (300/220) PSI
11	ATKINS (124/100) PSI	43	VIA VERA (200/95) PSI
12	PALA LAKE NORTH (260/100) PSI	44	SLR DOWNS TRACK (285/125) PSI
13	PALA LAKE SOUTH (290/120) PSI	45	LAKE VISTA (260/100) PSI
14	HORSE RANCH CREEK (253/120)PSI	46	COTTON TAIL (230/110) PSI
15	PALA MESA CONDOS (300/75) PSI	47	CAMINO DEL REY (332/225) PSI
16	PALA MESA GREENS (285/120) PSI	48	VIA MARIPOSA WEST (295/95) PSI
17	WILT & CITRUS	49	VIA MARIPOSA WEST (295/95) PSI
18	CANONITA (135/85) PSI	50	TRES AMIGOS EAST (110/85) PSI
19	LAKETREE EAST (230/110) PSI	51	TRES AMIGOS WEST (110/70) PSI
20	BECK	52	VIA PUERTA DEL SOL PRESSURE RELIEF (240/0) PSI
21	LAKE TREE WEST (230/100) PSI	53	DENTRO DE LOMAS (365/260) PSI
22	OMCLIFF (200/100) PSI	54	LAKE MEDICI (140/60)PSI
23	DAISEY LANE (245/75) PSI	55	VILLA TOSCANA (110/73)PSI
24	U-4 (210/70) PSI	56	VIA MARIPOSA EAST (295/95) PSI
25	ESTERILINA (116/70) PSI	57	HUTTON 4* (100/80) PSI
26	FIRE ROAD (110/55) PSI	58	TRENDAL 4* (150/85) PSI
27	76 & GIRD (277/225)PSI	59	OLD RIVER ROAD PRESSURE RELIEF (270/0) PSI
28	VIA MONSERATE PRESSURE RELIEF (280/0) PSI	60	HOLLY LANE (250/70) PSI
29	RANCHO MONSERATE "W" (290/110) PSI	61	SAGEWOOD (320/273) PSI
30	RANCHO MONSERATE "E" (290/110) PSI	62	MOOSA CREST (H/AL/EAH) (125/110) PSI
31	MORRO BOOSTER STATION BYPASS (140/120) PSI	63	LAKE VISTA TERRACE
32	SWEETGRASS (248/90)PSI	64	LAS ESTRELLAS
		65	MOHEGAN
		66	PANKEY
		67	OLIVE HILL ESTATES NORTH
		68	OLIVE HILL ESTATES SOUTH



EXISTING SYSTEM HYDRAULIC SCHEMATIC



SYSTEM DESCRIPTION

RMWD's existing water distribution system is comprised of 12 major pressure zones with storage facilities. Four of the major zones are supplied directly from SDCWA aqueduct connections and the remaining major zones are supplied through pressure reducing stations or booster pump stations. In addition to the major zones, there are 30 reduced pressure areas that are supplied from the major zones through pressure reducing stations. The RMWD hydraulic profile schematic shows the aqueduct connections, pressure zones, storage facilities, booster pump stations, pressure reducing stations and emergency supply interconnects.

The twelve major pressure zones within the RMWD system are identified by a name and number that corresponds to the hydraulic grade elevation set by the high-water level of the tank or reservoir. The District is characterized by steep and varying terrain, and the pressure zone grades range from 825 feet to 2,160 feet above mean sea level. The hydraulic grade line and water supply sources for each major pressure zone are summarized in the table below. The District was formed from the merging of several water purveyors' decades ago, and as a result, the gradient spacing between zones is irregular. Zone boundaries have been modified over time to increase pressures in some local critical areas or reduce pressures in older pipelines. Field operators adjust some of the pressure boundaries seasonally to improve water circulation. The Morro, South, Pala Mesa and Canonita zones each include multiple smaller reduced pressure areas that are supplied from pressure reducing stations.

Zone	HGL (feet)	Main	Secondary
Magee	2,160	Rainbow Heights via Booster PS 7	None
Rainbow Heights	1,967	North Zone via Booster PS 1	Magee
Gomez	1,710	North Zone via Booster PS 6	Rainbow Heights
U-1	1,579	North Zone via Booster PS 2	None
Vallecitos	1,338	North Zone via Booster PS 3	Rainbow Heights
Northside	1,282	North Zone thru Booster PS 4	None
North	1,212	Connections 1,9, and 10	Northside & Rainbow Heights
Canonita	1,019	Connections 7 and 8	Northside & North
South	1,011	Connections 3,6, and 11	Morro via emergency pumps
Pala Mesa	897	Connection 7	Canonita
Morro Tank	865	Morro Zone thru Booster PS 5	Pala Mesa via Morro Zone
Morro	825	South	Pala Mesa
HGL = Hydraulic grade line			

The existing distribution system has over 320 miles of pipelines ranging in size from 4-inches to 42-inches in diameter. Most of the smaller diameter pipelines are constructed of asbestos

cement pipe (ACP) or steel, although ductile iron pipe (DIP) is used in high pressure areas. Larger transmission mains are constructed of CMLC steel or DIP. Table below summarizes pipeline lengths by diameter.

SYSTEM

Pipeline Summary	
Pipeline Diameter (inches)	Total Pipeline Length (miles)
4	4.5
6	65.1
8	114.7
10	17.7
12	42.2
14	20.3
16	27.0
18	11.7
20	10.9
22	1.0
24	5.8
27	0.3
30	0.6
36	0.4
42	0.6
Total Length of Pipe	322.8

OPERATIONS

Operation of the RMWD water distribution system is very complex due to the large number of pressure zones, supply locations, and large capacity storage facilities which require frequent cycling or turnover to maintain water quality. Furthermore, the water distribution system is flexible in that supply from the eight aqueduct connections can be routed to different parts of the distribution system by making changes to several key valve settings. Reservoir water levels are connected to the RMWD Supervisory Control and Data Acquisition (SCADA) system, such that the water operators are able to monitor the system throughout the day at the water operations center. However, system operation relies upon a number of manual changes that are made from operator judgment rather than automation such as adjusting the flow orders from FCF connections based on tank levels.

The large storage capacity of Morro reservoir requires special operation of the distribution system to maintain water quality. The distribution system is operated in either a Morro fill or Morro drain mode, with the duration of each mode varying seasonally, but typically lasting two weeks or more. Changing between modes requires the manual closing and opening of several pressure stations, in addition to a number of operational changes. Tank water levels in several pumped zones are also operated in a fill/drain mode with water levels set low to improve

the turnover rate. In addition to normal supply operations, system operators have several documented procedures for alternative supplies to zones. In the event that pump stations fail or when aqueducts are shut down for service, tanks need to be removed from service. During planned shutdowns of the SDCWA Second Aqueduct (Connections 3, 6, 7, 8, 9, and 11), water from the North and Northside Reservoirs is supplied down to the Canonita Zone through bypass valves and pressure reducing stations. The remaining zones normally supplied from the Second Aqueduct are supplied from excess storage capacity in the Morro Reservoir via temporary diesel-powered pumps. Four portable pumps are utilized to pump water from the Morro Zone to the South Zone. Supply to the South Zone can also be supplemented from the City of Oceanside's Weese Water Filtration Plant from a portable pump. The Northside Zone, North Zone, and all zones that are pumped from the North Zone are normally supplied from Connections 1 and 10 on the First Aqueduct and Connection 9 on the Second Aqueduct. During a shutdown of both aqueducts, these zones rely on water from in-zone tank storage, the North and Northside Reservoirs, and additional supply from FPUD's Red Mountain Reservoir, which is pumped into the North Reservoir. An emergency pump station at the Beck Reservoir site can also be utilized during a shutdown of both aqueducts to supply the Canonita Zone from the Pala Mesa Zone.

WASTEWATER FACILITIES

The collection and disposal of wastewater was first undertaken by the District in March 3, 1963; in conjunction with two subdivisions and the Fallbrook Country Club. In 1964 the second system was constructed to accommodate Pala Mesa Village and the Pala Mesa Country Club facilities and Motel. Later a 200-space mobile home park was connected to the system. Both systems were financed through the sale of improvement district bonds.

The third wastewater collection and disposal system was constructed by the developer of San Luis Rey Country Club and dedicated by the developer. In 1969, the subject improvement district was formed to expand wastewater collection facilities to accommodate the San Luis Rey Downs development and the community of Bonsall commercial businesses.

Six wastewater lift stations are operated within the District's service area. The lift station type and location are described for each station below:

■ **Lift Station 1.** This station is located just south of the intersection of Golf Club Drive and Old River Road on the south side of the San Luis Rey River. It consists of a Smith and Loveless packaged lift station with three, 5-hp wet well/drywell pumps and a 3,000-gallon working volume wet well. The existing pumps were rated at 625 gpm each and there is a backup generator in case of a power failure. The District replaced the pumps at this station in kind in 1994. Lift Station 1 is currently under design for replacement, which will expand the station's capacity to serve peak wet weather and future projected sewer flow. The replacement design has considered relocating the station to the north side of the San Luis Rey River in order to abandon the siphon crossing beneath the river and replacing it with a force main. In addition, the new design will move the station further away from nearby residences.

■ **Old River Lift Station.** This station is located at the intersection of Little Gopher Canyon Road and Old River Road, in the southwest corner of the District. The station is a Flygt/Xylem packaged lift station consisting of three, 70-hp, wet well/drywell pumps and a 14,000-gallon working volume wet well. The existing pumps are rated at 1,500 gpm each. There is also a backup generator in case of a power outage. This station was replaced in 2010 due to a history of problems with overflows. Capacity was increased from 1,000 gpm per pump to the current 1,500 gpm per pump to allow significant capacity to serve the ultimate projected sewer flow.

■ **Plant B Lift Station.** This station is located south of the District offices on Old Highway 395. This station is a Smith & Loveless prefabricated station consisting of two, 5-hp, wet well/dry well pumps and an 800-gallon working volume wet well. The pumps are each rated at 320 gpm. The station has a standby generator to run the lift station in the case of a power failure. This is the District's oldest lift station and is located in a sub-basin subject to high infiltration.

Abandonment of this station is planned to coincide with the construction of the Pankey Sewer Lift Station.

■ **Rancho Monserate Lift Station.** Wastewater generated at the Rancho Monserate Mobile Home Park is tributary to this station, located north of the park off Dulin Road. Collected wastewater is conveyed north via forcemain for approximately 1,740 feet where it intercepts the Rancho Viejo Forcemain. The Rancho Viejo Forcemain transports the wastewater an additional 2,350 feet before it discharges into Manhole No. 20L-M020 at the intersection of Old Highway 395 and Pala Road. The Rancho Monserate lift station is a Flygt/Xylem lift station consisting of two, 5-hp, wet well/dry well pumps with a 300-gallon working volume wet well. The pumps are each rated at 320 gpm. The station also has a backup power generator in the case of a power failure.

■ **Rancho Viejo Lift Station.** This station is located on Dulin Road east of I-15. This station was built in 1990 to transport wastewater generated in the Lake Rancho Viejo subdivision. The lift station is a Gorman-Rupp prefabricated station consisting of two, 40-hp, wet well/dry well pumps and a 600-gallon working volume wet well. The pumps are each rated at 805 gpm. This station also has a backup power generator.

■ **Fallbrook Oaks Lift Station.** This station is located south of the intersection of Sarah Ann Drive and Kate Lendre Drive in the Fallbrook Oaks subdivision off Gird Road. This is the only station that contains two submersible Meyer’s pumps inside of a 500-gallon working volume wet well. It consists of two, 250 gpm, 5-hp, submersible Meyer’s pumps. The station has a standby generator to provide power to the lift station in the case of a power failure.

Wastewater Vector Truck



HISTORICAL WATER DEMAND AND RECENT TRENDS

Calendar Year	Deliveries (AF)
1982	24,843
1983	23,746
1984	33,806
1985	28,886
1986	29,298
1987	27,382
1988	32,028
1989	34,828
1990	34,920
1991	24,567
1992	26,460
1993	22,997
1994	22,832
1995	20,872
1996	23,223
1997	24,906
1998	19,924
1999	28,721
2000	29,203
2001	26,803
2002	32,125
2003	30,472
2004	30,336
2005	28,911
2006	29,929
2007	31,865
2008	24,128
2009	26,894
2010	18,322
2011	19,276
2012	21,918
2013	21,526
2014	22,625
2015	17,868
2016	18,151
2017	18,123
2018	17,910
2019	13,720

For 25 years following its founding in 1954, total SDCWA water deliveries to the District service area steadily increased, as agricultural acreage and population increased. By 1984, demands had climbed to almost 34,000-acre feet per year (AFY). Demands then dropped sharply during the drought restrictions of 1991-93, as mandatory cutbacks led to the stumping of avocado groves and other water use reductions, but by 2002 had rebounded to almost pre- 1991 conditions.

Beginning in 2008, demands again declined sharply, this time in response to economic recession, water price increases, a new round of drought restrictions, and increased adoption of water conservation measures. These factors have combined to produce a fundamental downward shift in per capita water use, with per account use declining by **35 percent** from 2006 to 2013. Per capita use reached a minimum during the period from 2010 to 2012, but this was in response to economic recession, cooler than normal summer weather, and other impermanent conditions.

Considering factors of economic equilibrium, average weather conditions, and normal water supply conditions (without water use restrictions in place), the Master Plan has judged calendar year 2013 to be representative of normal water use conditions in the current era and has defined calendar year 2013 water use as an appropriate baseline condition for use in demand forecasting.

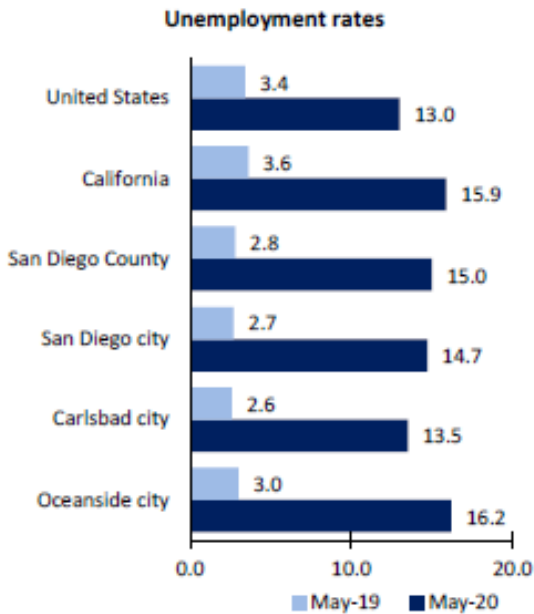


San Diego Area Economic Summary

Updated July 01, 2020

This summary presents a sampling of economic information for the area; supplemental data are provided for regions and the nation. Subjects include unemployment, employment, wages, prices, spending, and benefits. All data are not seasonally adjusted and some may be subject to revision. Area definitions may differ by subject. For more area summaries and geographic definitions, see www.bls.gov/regions/economic-summaries.htm.

Unemployment rates for the nation and selected areas



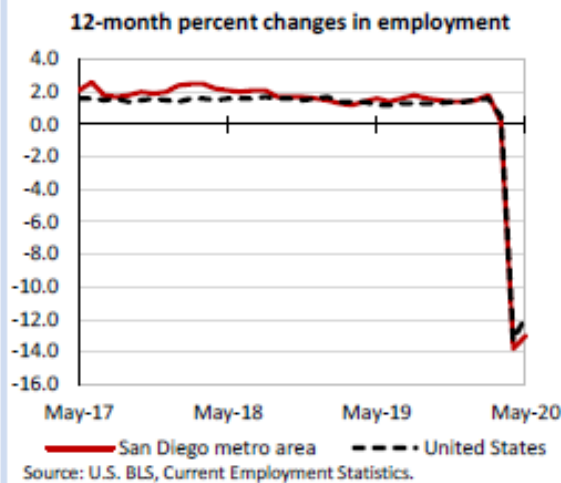
Source: U.S. BLS, Local Area Unemployment Statistics.

Average weekly wages for all industries by county

San Diego metro area, fourth quarter 2019
(U.S. = \$1,185; Area = \$1,311)



Over-the-year changes in employment on nonfarm payrolls and employment by major industry sector



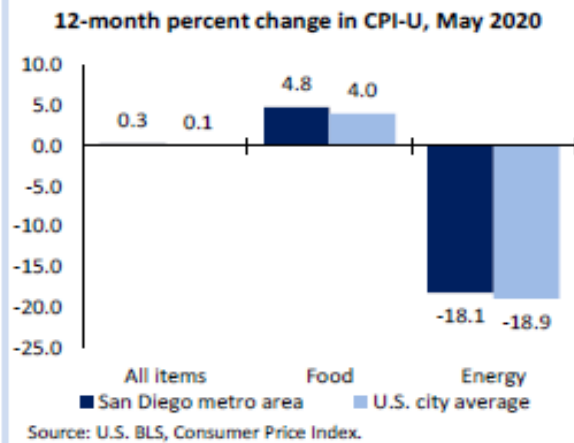
Source: U.S. BLS, Current Employment Statistics.

San Diego metro area employment (number in thousands)	May 2020	Change from May 2019	
		Number	Percent
Total nonfarm	1,309.0	-195.8	-13.0
Mining and logging	0.2	-0.2	-50.0
Construction	77.2	-6.7	-8.0
Manufacturing	106.8	-7.6	-6.6
Trade, transportation, and utilities	190.3	-31.6	-14.2
Information	19.6	-3.9	-16.6
Financial activities	72.9	-3.3	-4.3
Professional and business services	251.0	-3.8	-1.5
Education and health services	199.3	-16.4	-7.6
Leisure and hospitality	112.7	-91.2	-44.7
Other services	39.0	-17.2	-30.6
Government	240.0	-13.9	-5.5

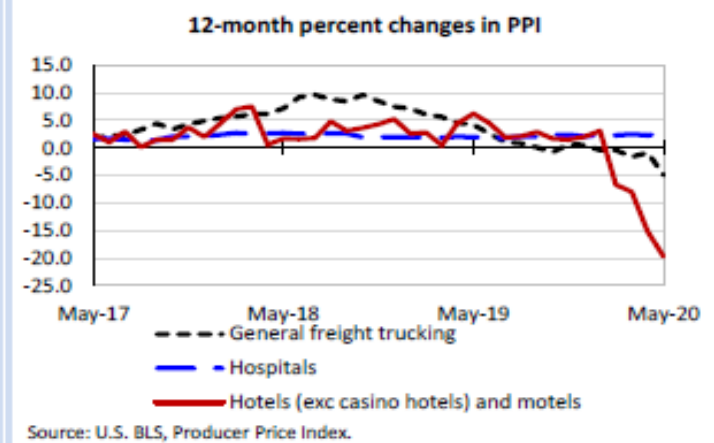
Source: U.S. BLS, Current Employment Statistics.



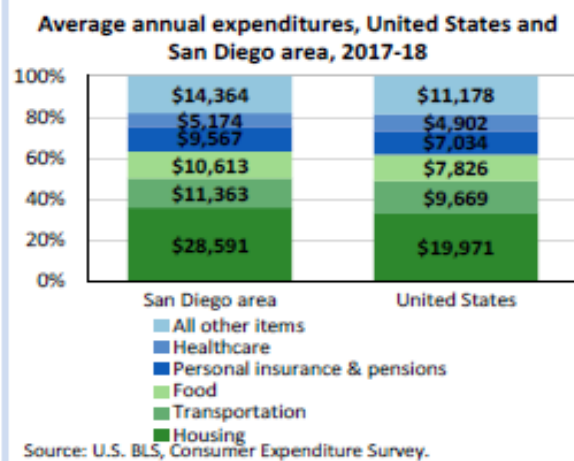
Over-the-year change in the prices paid by urban consumers for selected categories



Over-the-year changes in the selling prices received by producers for selected industries nationwide



Average annual spending and percent distribution for selected categories



Average hourly wages for selected occupations

Occupation	San Diego metro area	United States
All occupations	\$23.61	\$25.72
Lawyers	61.92	69.86
Registered nurses	35.85	37.24
Accountants and auditors	34.55	38.23
Chefs and head cooks	23.08	27.07
Electricians	22.76	29.02
Construction laborers	16.62	20.06

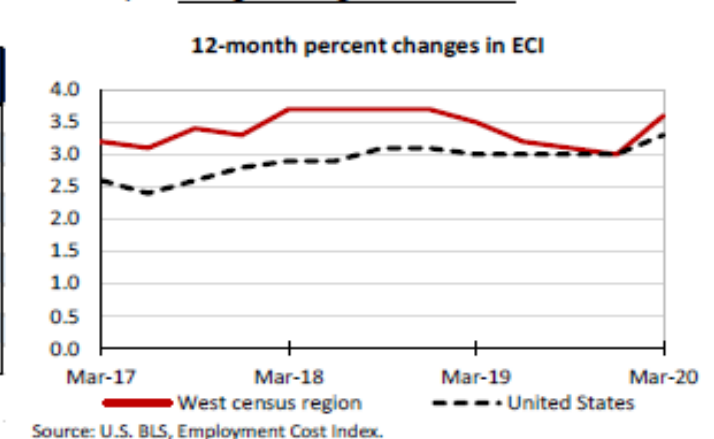
Source: U.S. BLS, Occupational Employment Statistics, May 2019.

Employer costs per hour worked for wages and selected employee benefits by geographic division

Private Industry, March 2020	West census region	United States
Total compensation	\$40.20	\$35.34
Wages and salaries	28.28	24.82
Total benefits	11.91	10.53
Paid leave	3.03	2.58
Vacation	1.55	1.32
Supplemental pay	1.12	1.19
Insurance	3.18	2.80
Retirement and savings	1.46	1.25
Legally required benefits	3.12	2.70

Source: U.S. BLS, Employer Costs for Employee Compensation.

Over-the-year changes in wages and salaries



Western Information Office • BLSinfoSF@bls.gov • <https://www.bls.gov/regions/west> • 415-625-2270



CLIMATE AND TOPOGRAPHY

The Fallbrook, Bonsall and Rainbow region has an average year-round temperature of 61 degrees. Due to the prevailing ocean breezes, the humidity is relatively low and constant. The average daytime high in Fallbrook is 76 degrees, although in the summer, temperatures sometimes exceed 100 degrees. Most of the area is frost-free; during the coldest periods, the average nighttime temperature is about 42 degrees. Due to its proximity to the ocean, days often start with early morning fog; afternoons can be breezy.

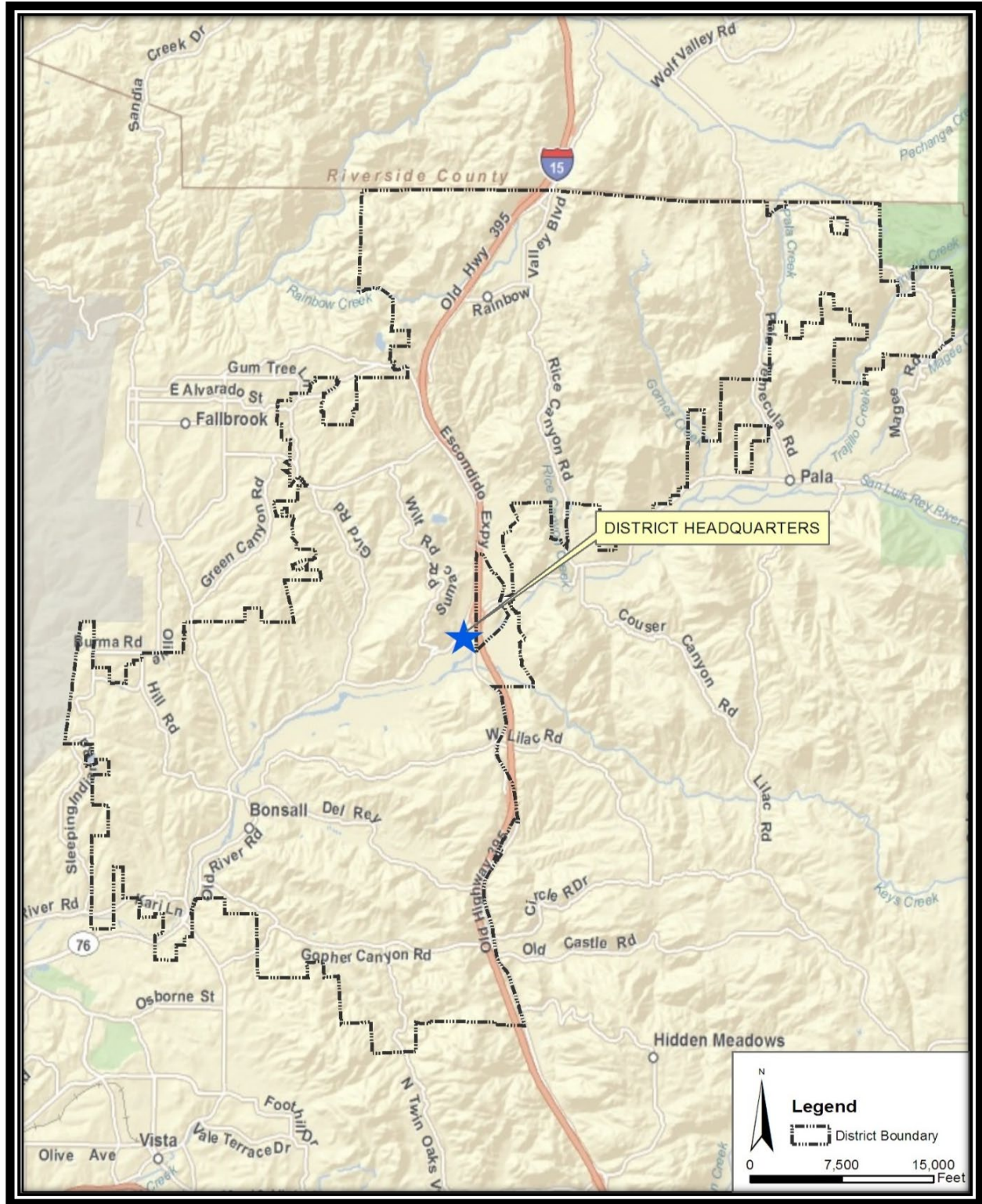
Annual rainfall is roughly 10 inches (25 cm) and comes mostly between November and April. Rainfall is higher in the surrounding hills, up to 20 inches (51 cm). The area is ideal for avocados, strawberries, tomatoes and many other sub-tropical fruits, vegetables, and flowers.

The topography of the District ranges from relatively level valley lands to steeply sloping ridges with long, narrow canyons. Elevations vary from 120 feet in the San Luis Rey River basin to mountains over 2,200 feet high. This configuration of land enables dense, cool air to slide off the valley sides, creating a continuous mild turbulence on the valley floor, which results in a low incidence of frost essential to the growth of avocados and citrus, the major crops grown in the District.

THE DISTRICT OFFICE



MAP OF DISTRICT SERVICE AREA



EMPLOYEE COMPENSATION AND BENEFITS

DEFERRED COMPENSATION PROGRAMS

401(a) PLAN:

The District agrees to establish a 401 (a)-retirement savings account to assist employees in saving for retirement medical or other retirement expenses. The District will fund the 401(a) accounts as follows:

The District will match employee contributions to the 401(a) account per the following terms:

0 – 5 years of service: \$50 per pay period

5-10 years of service: \$75 per pay period

10-20 years of service: \$100 per pay period

Over 20 years of service: \$125 per pay period

Employee contributions to the 401(a) account will be on a post-tax basis, and the employee may contribute additional funds subject to IRS annual limits. The District's matching funds will be tax deferred.

The District's initial deposit and matching funds will be tax deferred, and will become vested per the following vesting schedule:

1 year of service = 20% vested

2 years of service = 40% vested

3 years of service = 60% vested

4 years of service = 80% vested

5 years of service = 100% vested

If an employee leaves the District's employment before the District's contributions to the 401(a) account have become 100% vested, then the unvested funds will be forfeited and returned to the District.

Employee contributions to the 401(a) account will be on a post-tax basis, and the employee may contribute additional funds subject to IRS annual limits.

457(b) PLAN:

The District will provide a dollar-for-dollar match of up to \$100.00 per pay period per employee into a 457(b)-retirement savings account. The employee may contribute additional unmatched funds through payroll deductions, subject to IRS rules.

LUMP SUM MERIT AWARDS

When an employee's pay rate is at the top of their position's Non-Exempt Pay Grade, the employee will not be eligible for a base pay merit increase. However, the employee may be eligible for a lump sum merit award based on their ratings on the Annual Performance Review.

Lump sum merit awards will be calculated by averaging the merit award percentages that correspond with the score in each Performance Factor of the Annual Performance Review, per the following matrix:

Exceptional	7.0%
Above Satisfactory	2.5%
Satisfactory	0%
Needs Improvement	0%
Unsatisfactory	Disqualified

Employees who receive an unsatisfactory rating in any Performance Factor, or who are on a Performance Improvement Plan, will not be eligible for a lump sum merit award.

COMPENSATORY TIME

When any non-exempt employee works overtime, the employee may elect to accrue Compensatory Time Off in lieu of cash payment for the overtime worked. The amount of Compensatory Time Off will be based on the applicable overtime rate (one and one half or double the regular rate of pay as specified in the Overtime Section).

No employee shall be allowed to accumulate over 50 hours of compensatory time. Any time over 50 hours shall not be eligible for accumulation and shall be included as hours paid in the employee's paycheck for the pay period earned.

Compensatory time shall be granted at such times and in such time blocks as are mutually agreed upon between the employee and his/her Superintendent or Manager; permission to utilize compensatory time off shall not be unreasonably denied if operating requirements will not be adversely affected.

All unused compensatory time will be paid out on the last pay date in December of each year. Employees will have the option to cash out Compensatory Time Off on the last pay date in June of each year.

Upon separation from the District employees shall be paid 100% of their accumulated compensatory time balance at their present rate of pay.

PAID TIME OFF

Accrual Rate:

Length of Service	Accrual Rate Per Pay Period	Annual Accrual Equivalent	Maximum Accrual
Up to 4 years	7.69 hours	200 hours	400 hours
4 – up to 9 years	9.23 hours	240 hours	480 hours
9 years and above	10.77 hours	280 hours	560 hours

Employees may accumulate Paid Time Off up to a maximum of two times the employee’s annual entitlement. Upon reaching the maximum accrual, PTO hours will no longer accrue until the employee uses PTO hours to bring their balance under the maximum.

If a PTO request has been previously approved by the District, and through no fault of the employee the leave request is cancelled by the District and an employee reaches the maximum accrual, then the District will compensate the employee for additional hours accumulated beyond the maximum accrual until the requested leave can be granted.

All new employees will accrue PTO beginning the first day of employment; however, these hours will not be eligible for use until after the completion of 90 days of full-time employment. General Manager shall have discretion to grant earlier use of accrued PTO for medical emergency, bereavement, or other emergency situation on a case-by-case basis.

PAID TIME OFF BUY BACK

Employees may cash out accrued paid time off (PTO) of a minimum of 40 hours once per year with the following stipulations:

- An IRREVOCABLE request must be completed and submitted during the month of December for cashing out PTO on the last pay period of the following January of the following calendar year.
- The irrevocable request may not exceed 280 hours.
- Employee must have taken at least 80 hours cumulative Paid Time Off (PTO) between December 1st of the previous year and November 30th of the current year.
- Employee must maintain a minimum balance of 80 hours of accrued PTO.
- A request to cash out accrued PTO due to reasons of hardship may be made at any time. The hardship request must be approved by the General Manager and is subject to the unforeseeable emergency definitions of the Internal Revenue code. (Title 26, section 1.409a-3).

In the event the IRS changes their regulations pertaining to this policy, the District will meet and confer with the bargaining unit to determine how to manage the impact of the regulatory changes.

HOLIDAYS

Compensation for paid holidays will be for the entire length of the regular scheduled shift.

Whenever a designated holiday falls on a Sunday, the holiday will be observed on the following Monday. Whenever a designated holiday falls on a Saturday, the holiday will be observed on the preceding Friday.

If a holiday falls on an employee's regularly scheduled Friday off, then 8 hours of Holiday Bank will be credited to the employee for that day at the beginning of the fiscal year (July 1) to be available for use before the end of the fiscal year (June 30). Any Holiday Bank hours not used by the end of the fiscal year will be forfeited. Holiday Bank hours will not be cashed out at termination of employment.

If an employee works overtime on a holiday, double time will be paid on the actual date of the holiday, and one- and one-half times the regular rate of pay will be paid on the date the holiday is observed. Overtime worked on Easter Sunday will be paid at double time.

MEDICAL, DENTAL AND VISION INSURANCE

Medical Insurance:

The District shall offer affordable group medical, dental, and vision insurance plans to all full-time employees. The amount the District contributes towards the cost of the insurance premiums will vary based on which health plan and which coverage tier the employee selects.

Due to the possible volatility of the health insurance market, the District and Association agree that certain circumstances may warrant renegotiating the terms of this Section of this Article before this contract expires. The following circumstances may trigger a renegotiation of this Article:

- If the health plans the District offers become unavailable due to factors outside the District's control.
- If premium costs for an offered plan increase by more than 20% in a single year.
- If the District and Association both desire to seek comparable plans with lower premium costs from other insurance carriers.

If any of these conditions occur, the District will notify Association in writing of the District's intent to renegotiate this Section of this Article no later than August 15 for changes to be effective in the following plan year.

Employee Only Coverage

Beginning with the 2018 plan year that begins January 1, 2018, the District will pay 100% of the premium costs for employee-only coverage, up to the amount of the Anthem HMO employee-

only rate. If the employee selects a higher cost plan, then the employee will contribute the difference through payroll deductions.

For example, if the HMO premium for employee-only coverage is \$700 per month, and the employee enrolls in plan with premiums of \$800 per month, then the employee would contribute \$100 per month through two payroll deductions of \$50 each.

Dependent Care Coverage

Anthem Plans:

Beginning with the 2018 plan year that begins January 1, 2018, the District will pay 82% of the total premium costs for the Employee + 1 or Family coverage tiers, up to a maximum of 82% of the HMO premium rates for those tiers. If the employee selects a higher cost plan, then the employee will contribute the difference through payroll deductions.

The employee will contribute 18% of the total premium costs for the Employee + 1 or Family coverage tiers for the HMO or lower cost plans.

Kaiser Permanente Plans:

Beginning with the 2018 plan year that begins January 1, 2018, the District will cover 100% of the premium costs for employees and dependents enrolled in the Kaiser Consumer Driven Health Plan (CDHP).

For employees who enroll dependents in the traditional Kaiser HMO plan, the District will contribute up to \$3,000 per year above the annual premium rate for the Kaiser CDHP plan.

Dental and Vision Insurance:

The District will cover 100% of the premium for employees and dependents.

RETIREMENT HEALTH CARE CONTRIBUTION

Employees hired before July 1, 2012 will be eligible for Retirement Medical Contributions if they elect not to participate in the District's 401(a) retirement savings plan. Upon retirement at age 50 or older and with a minimum of ten (10) years of continuous service with the District, the District agrees to reimburse eligible retired employees and their retired spouses for part of the cost of health and dental insurance plans. The District's contribution will be \$363.00 per month for the retired employee or \$726.00 per month for the retired employee and retired spouse until each reach their respective ages for full Medicare coverage. If the retired employee or retired spouse reaches the eligible age, the contribution for the retired employee or retired spouse will be \$363.00 per month until reaching the eligible age. The assistance period for either will be for a maximum of ten (10) years.

Employees hired after July 1, 2012 will not be eligible for Retirement Health Care Contributions.

LIFE AND DISABILITY

The District shall pay for employees' life, short- and long-term disability insurance.

PUBLIC EMPLOYEES' RETIREMENT SYSTEM

The District participates in the California Public Retirement System (CalPERS). All employees hired at the District before January 1, 2013 are under the CalPERS miscellaneous formula of 2.5% @ 55. The final compensation is the highest average pay rate and special compensation during any consecutive one-year period. The employees contribute the 8% of their annual salary.

A full-time new employee hired on or after January 1, 2013 will be subject to the Public Employees' Pension Reform Act (PEPRA). A new employee who is also a "New Member" to CalPERS will participate under the mandatory miscellaneous formula of 2% @ 62. The final compensation is the highest average pay rate and special compensation during any consecutive three-year period. The employee contributes 50% of the normal cost established by CalPERS as outlined in the Public Employees' Pension Reform Act of 2013 (PEPRA).

Pursuant to the PEPRA, a "New Member" is defined as:

1. An individual who is hired on or after January 1, 2013 and has no prior membership in any California public retirement system.
2. An individual who is rehired by a different CalPERS employer on or after January 1, 2013 after a break in service greater than six (6) months.
3. An individual who is brought into CalPERS membership for the first time on or after January 1, 2013 and who is not eligible for reciprocity with another California public retirement system.

If a former CalPERS eligible employee of the District has a break in service of more than six (6) months but returns to service with the same District, the former employee will not be considered a new member pursuant to PEPRA.

TUITION REIMBURSEMENT

The District will refund tuition fees and educational material costs incurred by regular employees for approved courses of study and completion with a "C" grade or higher. A "pass" will be accepted for classes where a pass/fail grading system is used. The amount of reimbursement will be as follows:

- For employees who have worked 0-3 years, the District will reimburse up to \$2,500.00 per calendar year for attendance at an accredited college or institution, provide the employee is pursuing a course of study leading to attainment of a degree or accreditation, or providing the course of study is pertinent to the employee's employment with the District.

- For employees who have worked three years or more the District will reimburse employees up to \$5,250.00 per calendar year for attendance at an accredited college or institution, providing the employee is pursuing a course of study leading to attainment of a degree or accreditation, or providing the course of study is pertinent to the employee's employment with the District.

For the purpose of determining eligibility, the end date of the class will be the date used to calculate the employee's length of service and in which calendar year the reimbursement will be applied.

Employees are required to submit applications to their immediate Superintendent or Manager and get approval from their Superintendent or Manager before starting courses for which educational assistance is requested.

Requests for reimbursement must be submitted within 30 days after completion of the course. If an employee leaves District employment before completion of the approved course, the District will not reimburse the employee for the course.

No assistance will be made until after the completion of the course and no assistance will be made if the employee utilizes other sources (i.e. GI Bill) to pay for the course or portions of the course.

FY20 STRATEGIC PLAN & PERFORMANCE MEASUREMENTS UPDATES

Rainbow Municipal Water District						
Strategic Plan Goals and Objectives for July 2019 to June 2020						
1	Water Resources	Assigned To	Estimated Completion	% Completed	Comments	Measurement of Success
1A	Promote and participate in the development of sensible direct or indirect potable reuse regulations					See sub-objectives
1A.1	Participate in WaterReuse legislative/regulatory efforts	Tom	Ongoing			As Described
1A.2	Monitor regulatory process	Tom	Ongoing			As Described
1.B	Identify and obtain water rights in the San Luis Rey Valley and develop feasible water production strategies					See sub-objectives
1B.1	Identify water rights holders and make contact regarding potential transfer of rights	Tom		75%		As Described
1B.2	Identify legal issues surrounding water rights transfer and develop appropriate legal framework for acquisition of rights	Tom		75%		As Described
1B.3	Develop a method to determine safe yield for groundwater extraction	Tom/Steve	On Hold		Feasibility Issues	As Described
1B.4	Identify potential location of groundwater treatment facility including brine disposal	Tom/Steve	On Hold		Feasibility Issues	As Described
1.C	Participate fully and actively in the San Luis Rey Groundwater Sustainability Agency (SLRGSA)					See sub-objectives
1C.1	Negotiate and enter into an MOU with SLRGSA agencies for initial groundwater studies	Tom		100%		MOU entered into with SLRGSA agencies
1C.2	Participate in all SLRGSA meetings and workshops	Tom		100%		Meeting and workshops participated in

Rainbow Municipal Water District						
Strategic Plan Goals and Objectives for July 2019 to June 2020						
2	Asset Management	Assigned To	Estimated Completion	% Completed	Comments	Measurement of Success
2A	Implement proactive system-wide pressure management	Steve				See sub-objectives
2A.1	Identify and prioritize high pressure areas to receive additional pressure mitigation strategies		Nov-19	25%		Contract amendment signed with HDR to develop a prioritization
2A.2	Develop standard plans for pressure regulation stations as well as cost effective contracting/construction methods		On-going	10%		New standard plans developed, and more in-house designs completed
2A.3	Commence installation of high priority pressure regulation stations	Robert	On-going	25%		Sarah Ann, Thoroughbred, Aqueduct Rd installed. Vallecitos in-progress
2B	Perform Continuous Condition Assessment	Steve/Robert	On-going		While repairing water line breaks a camera is used for visual inspection of pipeline.	See sub-objectives
2B.1	Recalibrate condition assessment model annually using "fresh" condition data			25%		The report is updated and a new map created with the new data
2B.2	Integrate condition assessment data collection seamlessly into EAM workflows for field crews		May-20	75%		Data is easily accessible through EAM by managers.
2B.3	Continue development of in-pipe data gathering using video inspection					Additional video are taken
2B.4	Identify potential methods for pipeline rehabilitation using point repairs or in-situ methods	Chad/Robert		25%	Working with Sanexen to develop a new pipe lining solution	In pipe demonstration
2.C	Develop a System-wide Corrosion Protection System	Steve/Robert	On-going		Contract signed with HDR	
2C.1	Commence corrosion protection study to evaluate current status and prescribe remedies			50%		Contract signed with consultant
2C.2	Begin implementation of mitigation strategies when they are identified	Robert	On-going	0%	One test station Installed, anodes installed for every mainbreak	Reduction of mainbreaks due to corrosion
2D	Develop a Programmatic EIR for Pipeline Replacement Work	Steve				See sub-objectives
2D.1	Issue an RFP for consultant to develop Programmatic EIR		19-Jan	100%	Complete	
2D.2	Award contract for Programmatic EIR		19-Jun	100%	Contract awarded to Helix Environmental Planning & consultant is working on PEIR	Board approves PSA with recommended firm
2D.3	Identify possible real property for acquisition to meet mitigation requirements			0%		District has a list of available parcels for mitigation land
2E	Execute Proactive Right-of-Way Management	Steve				See sub-objectives
2E.1	Develop cost effective mechanisms to survey and stake right-of-way boundaries			100%		Cost-effective mechanism in place
2E.2	Enhance Right-of-Way policies in Administrative Code		Done	100%	Items already passed the board	The Board an Ordinance on October 23, 2018
2E.3	Develop mechanisms for efficient identification of encroachments and a method to issue encroachment permits		On-going	50%	Improvements made	Increasing number of encroachment permits being issued
2F	Commence meter/service replacement and upgrade program	Tom, Tracy, Justin & Robert	Dec-22			See sub-objective

Rainbow Municipal Water District

Strategic Plan Goals and Objectives for July 2019 to June 2020

3	Workforce Development	Assigned To	Estimated Completion	% Completed	Comments	Measurement of Success
3A	Maintain education and training opportunities to ensure continuous improvement and learning for all staff	Karleen				See sub-objectives
3A.1	Continue ACWA/JPIA Professional Development Training for Managers, Superintendents, Supervisors, Crew Leaders and Operations personnel. Staff to attend semi-annual education days to receive credit towards PDP program until complete			Ongoing	Discontinued	Staff attended ACWA training in October 2019. Rainbow staff are no longer eligible for ACWA trainings due to an ACWA policy change.
3A.2	Conduct on-site computer skills training			100%		Staff completed computer skills training in Word, excel, Power Point, and basic computer skills training. Continued training is offered online.
3B	Implement performance management module of NEOGOV system	Karleen				See sub-objectives
3B.1	Configure NEOGOV with new appraisals, train managers and employees and go-live				Adjusted due to software limitations	Redesigned performance evaluation based on core values.
3B.2	Implement NEOGOV performance and training of all staff				Cancelled	As Described
3C	Conduct annual staff analysis to identify succession planning use of labor and projected labor demands	Karleen		Annual updates		See sub-objectives
3C.1	Develop annual assessment of high-priority positions for succession planning through five-year staffing analysis					Positions identified in staffing analysis
3C.2	Develop and implement survey of culture employee engagement			100%		As Described
3D	Continue cost-effective employee recognition program to acknowledge performance, encourage development & improve morale	Karleen				See sub-objectives
3D.1	Solicit continuous nominations for the Excellence Coin program and award coins to employees monthly			Ongoing		Track monthly nominations and recognize as described
3D.2	Hold annual employee recognition event to recognize employees for cumulative nominations and honorable mentions.			100%		Annual banquet was held in January
3E	Create a safety culture for the District workforce and promote safe work practices	Karleen				See sub-objectives
3E.1	Include safety in employee culture survey			100%		As Described
3E.2	Develop and implement a new safety incentive program			25%		
3E.3	Update Emergency Response Plan and conduct staff training			75%		Document has been created & distributed. Key staff members have been sent to advanced emergency response training through the San Diego Urban Area Security Initiative and Texas A&M Engineering Extension Service.
3F	Revisions of job descriptions as needed	Karleen		As Needed		As Described
3G	Establish Employment Branding for Recruitment	Karleen				See sub-objectives
3G.1	Continue to promote Rainbow career opportunities on social media			Ongoing		As Described
3G.2	Maintain at least 1500 subscriptions to interest list on NEOGOV			Ongoing		1500 job interest card subscriptions

Rainbow Municipal Water District						
Strategic Plan Goals and Objectives for July 2019 to June 2020						
4	Fiscal Responsibility	Assigned To	Estimated Completion	% Completed	Comments	Measurement of Success
4A	Receive GFOA award for budgeting	Tracy	Jan-19	100%		See sub-objective
4A.1	Create a GFOA compliant budget document		Completed Dec-19	100%		By the end of this process a budget format will be developed & the budget document completed in a GFOA compliant manner.
4B	CAFR - Submit for consideration for award	Tracy	N/A FY19			See sub-objective
4B.1	If no award given this year, take feedback to prepare for next year		Dec-20		We have contracted with new audit firm for this purpose.	A CAFR will need to be developed prior to being submitted.
4C	Develop Cost-Effective contracting methods for pipeline replacement	Steve	In Progress	30%		See sub-objectives
4C.1	Develop contractor prequalification system			75%		As Described
4C.2	Develop streamlined contracting package that will encourage better pricing by the District assuming certain risks			30%		See sub-objectives
4C.3	Recruit and retain high quality inspectors, both in house and contract			50%		As Described
4D	Complete conversion of UB software	Ahmed/Tracy		90%		As Described
4E	Convert payroll system to 3rd party vendor	Tracy	Completed Jan-19	100%		As Described
4F	Commence implementation of financial software conversion	Tracy	Completed Sep-19	100%		As Described
4G	Obtain District of Distinction Accreditation	All				Meet all requirements and training and demonstrate having sound policies in the areas of governance, board conduct, district finances, transparency and reserves and submit application and supporting documentation in a timely manner.
4H	Identify and obtain grant funding for various projects	All				See sub-objectives
4H.1	Identify requirements for successful grant applications					As Described
4H.2	Adapt current and proposed projects to grant requirements to ensure likelihood of approval					As Described
4H.3	Identify requirements for reporting to grant agency on progress of projects and develop systems to facilitate this reporting					As Described
4I	Establish a Rate Structure That is Less Reliant on Volumetric Sales	Tom/Tracy			In Progress	See sub-objectives
4I.1	Conduct a study that shows what the optimum level of fixed revenues would be	Tom/Tracy	Jan-22	50%	New Rate Model under development, implement with detachment	Completion of study
4I.2	Develop a financial plan and water rate forecast to reach the optimal level of fixed revenues over time					As Described
4J	Identify Opportunities for Stable Revenue Streams Apart from Volumetric Sales	All				See sub-objectives
4J.1	Develop a range of options for Board consideration related to possible expansion of property tax assessments					As Described

Rainbow Municipal Water District						
Strategic Plan Goals and Objectives for July 2019 to June 2020						
5	Customer Service	Assigned To	Estimated Completion	% Completed	Comments	Measurement of Success
5A	Complete integration of UB software to iPad application/GeoViewer	Tracy/Robert	Jun-19		In Progress	As Described
5B	Create a Customer Service Based Culture	Tracy		90%	In Progress	See sub-objectives
5B.1	Identify traits of great customer service organizations and bring those traits into the RMWD organization					Organizations need to be specifically identified
5B.2	Enhance training for staff on customer service excellence			60%		Training requested to HR will be scheduled & completed
5B.3	Create an annual recognition program for customer service excellence			25%		Tracking call volume by cs representative
5C	Develop a System for Documenting All Customer Contacts	Tracy		40%		See sub-objectives
5C.1	Identify range of customer contact types					Software needs customized to support this objective
5C.2	Identify appropriate method to document each of these contacts					Determine feasibility with current staffing level
5D	Develop Opportunities for Improved Customer Water Use Information	Tom/Tracy		40%		See sub-objectives
5D.1	Ensure that water meter data logging systems are capable of providing data during customer interactions					As Described
5D.2	Complete Flume pilot project and evaluate performance of the Flume System			90%		As Described
5D.3	Bring options to Board to consider once Flume pilot is completed					As Described

Rainbow Municipal Water District						
Strategic Plan Goals and Objectives for July 2019 to June 2020						
6	Public Communications / Outreach	Assigned To	Estimated Completion	% Completed	Comments	Measurement of Success
6A	Develop Consistent Messaging Throughout the Organization	All				See sub-objectives
6A.1	Create a regular employee communications newsletter to provide background information on topics that may come up in customer contacts			On-Going		As Described
6A.2	Install digital employee information panels in key areas to reinforce messaging			0%		Digital messaging devices installed and operational
6B	Upgrade Printed Collateral to Enhance Readability and Impact	Tom				See sub-objectives
6B.1	Identify cost effective ways to obtain graphic arts services			On-Going	In progress	As Described
6B.2	Work with Communications and Customer Service Committee to develop ways to improve look/feel/impact of regular communications			On-Going	Partnership with CSUSM for communication plan	As Described
6C	Enhance Community Outreach Methods	Tom				See sub-objectives
6C.1	Participate in as many local community events as possible			On-Going		As Described
6C.2	Develop branded outreach systems with logos for major projects (water service upgrades, PR station installations, Pipeline replacements, etc.)			25%	In progress	As Described
6D	Develop Improved Methods for Delivering Information About Field Operations on Website	Tom/Robert	Dec-19	25%	In progress	See sub-objectives
6D.1	Identify technical and financial requirements to include information from EAM on public website		Dec-19	0%		Requirements Identified
6E.2	Provide options for consideration to Communications and Customer Service Committee and Board			0%		As Described
6E.3	Implement selected option on website			0%		Options Implemented

FINANCIAL POLICIES

RESERVE SUMMARY

RATE STABILIZATION RESERVE

As part of the District's Potable Water Cost of Service Study, an evaluation was made as to whether it would be beneficial to ratepayers to establish a Rate Stabilization Fund. The Board of Directors established the Rate Stabilization Fund January 1, 2016, and directed staff to bring the balance to the policy requirement equal to 10% of the annual water revenues within a five-year period. Funds for this reserve will be set aside to prevent rate hikes that are caused by unexpected changes in water demand.

This policy is typical to mitigate the disruption of a rapid decline in revenues. Utilities with higher risk of revenue vulnerability due to the potential loss of customers or the rapid reduction in service purchases establish reserves (also sometimes called contingency reserves) to cover sudden, un-forecasted revenue shortfalls. The term "rainy day fund" has been given new meaning for water districts that have grown accustomed to revenue from residential irrigation and are at risk of experiencing significant declines in revenue during a particularly wet and rainy weather season. These reserves may also be labeled "rate stabilization reserves" in the sense that they protect against rates being raised to adapt to sudden unexpected usage reductions.

Some "rate stabilization reserves", however, are much more about planned revenue smoothing than contingency planning. Water districts with robust finance plans and rate models sometimes look towards the future and identify when rate increases are needed to meet costs. In some cases, the future can look quite bumpy with large projects going online at the same time as a low sales year. In an effort to prepare for the future, many water districts are turning towards "rate stabilization reserves" to mitigate the size of a rate increase in a given year.

FY 2015-16 and FY 2018-19 were two of the sharpest declines in water demand for the District since inception. The culprits to the reduction of demand are two-fold, one being the conservation restriction in 2015-16, and the second being the excessive amount of rain in 2018-19. The district planned to start funding the rate stabilization fund in FY 2015-16, however there wasn't a sufficient amount of funds to transfer to this reserve. The fund was later funded at the end of FY 2017-18. The future success of funding the rate stabilization reserve will rely on a boost in demand with moderate rate increases or implementing alternative water supply options. As part of the FY 2020-21 Budget, we may need to draw on these reserves.

OPERATING RESERVE

Operating reserves are specifically set aside by board policy and are required to be unrestricted surpluses that are liquid (as opposed to invested in fixed assets) and thus available for use at the discretion of our Board of Directors. It is used to stabilize finances by providing

reserves for unexpected cash flow shortages, expense or losses. These might be caused by delayed payments, unexpected infrastructure repairs, or economic conditions.

Reserves should not be used to make up for income shortfalls, unless the District has a plan to replace the income or reduce expenses in the near-term future. In short, reserves should be used to solve timing problems, not deficit problems. Since operating reserves are most valuable if they are reliable, an important factor in using reserves is also having a realistic plan to replenish them. Operating reserves should not be used to cover a long-term or permanent income shortfall. Reserves can allow the District to weather serious bumps in the road by buying time to implement new strategies. To be prudent, reserves should be used to solve temporary problems, not structural financial problems. Usually, though, reserves are built up over time by generating an unrestricted surplus and intentionally designating a portion of the excess cash as a reserve fund.

Most standards are based on a formula to have enough unrestricted cash to cover operating expenses for a number of months. At the high end, reserves should not exceed the amount of two years' budget. At the low end, reserves should be enough to cover at least one full payroll including taxes. The District's operating reserve balance is limited to two months of budgeted operating expenses as determined by the monthly average of budgeted operating expenses (does not include the cost of water or depreciation). Keep in mind that generic target amounts for reserves don't take some important variables into account, such as the stability of the District's cash receipts. The district must factor in these considerations when setting an operating reserve target. The goal for operating reserves will change, too, when income or expenses become less reliable or predictable because of internal or external changes. Based on the proposed budget, the operating reserve should be set at minimum of approximately \$2M according to the Reserve policy.

Capital Reserve

The District maintains five Capital Reserve Funds: New Water Sources Reserve (Fund 26), Water Capital Projects (Fund 60), Wastewater Replacement (Fund 52), and Wastewater Expansion (Fund 53). The Board took action on 9/7/2005 to discontinue the funding of the Water Replacement and Water Expansion funds and combine those funds into the Water Capital Projects Fund. Capital Reserves will be used to fund infrastructure projects and will be an integral part of the District's capital plan documented in its Capital Budget as well as the Water and Wastewater Master Plans. Capital Reserves are funded by cash collected from water and sewer capacity charges (new connections). The Capital Reserves receive additional funding from surpluses generated by water and wastewater operations (excess of revenues over expenses before depreciation). Anticipated Capital reserve deficiencies will be funded by transfers of budgeted surplus which may result from increased rates. Amounts accumulated in excess of both the Operating Reserve limits and Capital Reserve needs may be used, subject to Board approval and public hearing, to lower rates to curtail increasing trends in the reserve funds.

Liability Self Insurance Reserve

The Liability Self Insurance Reserve was established to pay the self-insurance (deductibles) portion of large or excessive liability claims. Board action has set this fund at \$100,000.00. Use of these funds requires approval by the RMWD Board. Reserve deficiencies are determined and replenished annually during the budget process.

Debt Service Reserve

Debt Service Reserves are established by the Trust Agreement for long-term borrowings. The reserve generally represents one year of principal and interest payments of the debt. The Debt Service Reserve is held and controlled by the Trustee as named in the bond Trust Agreement.

New Water Sources Reserve

The New Water Sources Reserve, established by the RMWD Board, sets aside funds to study and acquire alternate water sources for the purpose of reducing the District's reliance on imported water. The reserve is funded by the Water Services portion of the Standby Charge collected by the San Diego County Tax Collector from all parcels within the District.

BASIS OF BUDGET AND ACCOUNTING

A major element of financial data activity rests in the act of budgeting. Budgeting is the process of allocating finite resources to the prioritized needs of the District. The budget represents the legal authority to spend money. Adoption of the District's budget implies that a set of decisions has been made by the Board of Directors and administrators that culminates in matching District's resources with the needs. As such, the budget is a product of the planning process.

The budget also provides an important tool for the control and evaluation of sources and the uses of resources. Using the accounting system to enact the will of the board, administrators are able to execute and control activities that have been authorized by the budget and to evaluate financial performance on the basis of comparisons between budgeted and actual operations. Thus, the budget is implicitly linked to financial accountability and relates directly to the financial reporting objectives established by the GASB.

The planning and control functions inherent to any organization, underscore the importance of sound budgeting practices for the following reasons:

- The services provided by Rainbow Municipal Water District are not subject to competitive market forces. Thus, enacting and adhering to the budget establishes restrictions in the absence of a competitive market.
- These services provided by RMWD are considered critical to the public health and welfare.
- The scope and diversity of operations for water and wastewater make comprehensive financial planning essential for good decision making.

The financial planning process is critical to the expression of citizen preferences and is the avenue for reaching consensus among stakeholders, directors of the board, and staff on the future direction of the District's operations.

The link between financial planning and budget preparation gives the budget document a unique role in the organization. Budgets in the public arena are often considered the definitive policy document because an adopted budget represents the financial plan used by the District to achieve its goals and objectives. The budget reflects:

- The prioritization of activities in which the District will be involved,
- The relative influence of various participants and advisory committees in the budget development process, and
- The District's plan for acquiring and using its resources.

Budgeting is an invaluable tool for both planning and evaluation. Budgeting provides a vehicle for translating goals and projects into financial resource plans-that is, developing a plan to meet performance goals should be directly linked to determining budgetary allocations. The link between goals and financial planning is critical to effective budgeting and enhances the evaluation of budgetary and accountability.

Performance evaluation allows stakeholders to hold directors and administrators in the District's organization accountable for their actions. Because accountability to citizens often is stated explicitly in state laws and state constitutions, it is a cornerstone of budgeting and financial reporting.

- Financial reporting should provide information to determine whether current-year revenues were sufficient to pay for current-year services.
- Financial reporting should demonstrate whether resources were obtained and used in accordance with the District's legally adopted budget. It should also demonstrate compliance with other finance-related legal or contractual requirements.

Financial reporting should provide information to assist users in assessing the service efforts, costs, and accomplishments of the District.

Although some form of a balanced budget requirement is generally necessary to ensure long-term fiscal health in any organization, variations such as the use of fund balance reserves to pay for current services may be appropriate over a short period. Generally, however, all departures from this fundamental objective must be in accordance with applicable state and local laws and policies.

Finally, the budget is evaluated for its effectiveness in attaining the District's stated goals and objectives. Evaluation typically involves an examination of how funds were expended, the outcomes that resulted from the expenditure of funds, and the degree to which these outcomes achieved the stated objectives. This phase is fundamental in developing the subsequent year's budgetary allocations. In effect, budget preparation not only is an annual exercise to determine the allocation of funds, but also is part of a continuous cycle of planning and evaluation to achieve the stated goals and objectives of the District.

ACCOUNTING POLICIES

Rainbow Municipal Water District accounts for its financial transaction in accordance with the policies and procedures of the Irrigation District Law, now Division 11 of the California State Water Code. The accounting policies of the District conform to accounting principles generally accepted in the United State of America (GAAP) as prescribed by the Governmental Accounting Standards Board (GASB) and the American Institute of Certified Public Accountants (AICPA).

The District reports its activities as an enterprise fund, which is used to account for operations that financed and operated in a manner similar to a private business enterprise, where the intent of the District is that the costs of providing water and wastewater to its customers on a continuing basis be financed or recovered primarily through user charges (water and wastewater sales and services) or similar funding. Revenues and expenses are recognized on the full accrual basis of accounting. Revenues are recognized in the accounting period in which they are earned and expenses are recognized in the period incurred, regardless of when the related cash flow took place.

Operating revenues and expenses are generated and incurred through the water and wastewater sales activities to the District's customers. Administration and depreciation expenses are also considered operating expenses. Other revenues and expenses not included in the above categories are reported as non-operating revenues and expenses.

DEPOSITS AND INVESTMENTS

For purposes of the statement of cash flows, cash and cash equivalents consist of short-term highly liquid investments with maturities of ninety days or less from the date of purchase. These include cash on hand, cash held in the restricted assets accounts, and the Local Agency Investment Fund.

The District's investment policy and state statutes authorize the District to invest in obligations of the U.S. Treasury, its agencies and instrumentalities, certificates of deposit with national and state-licensed or chartered banks or federal or state savings and loan associations, money market and mutual funds whose portfolios consist of one or more of the foregoing investments, and the Local Agency Investment Fund.

State statutes require all deposits be insured or collateralized. Depositories holding public funds on deposit are required to maintain collateral in the form of a pool of securities with the agent of the depository having a market value of at least 10 to 50 percent in excess of the total amount of all public funds on deposit.

INVENTORY AND CAPITAL ASSETS

Inventories are recorded using the purchase method in that the cost is recorded as an expenditure at the time individual inventory items are purchased. Inventories are valued at average cost and consist of expendable supplies held for consumption. Reported inventories are equally offset by a fund balance reserve, which indicates that these amounts are "available for appropriation and expenditure" even though they are a component of net current assets.

The District has the option of reporting an expenditure in governmental funds for prepaid items either when purchased or during the benefiting period. The District has chosen to report the expenditure during the benefitting period.

Purchased or constructed capital assets are reported at cost or estimated historical cost. Donated fixed assets are recorded at their estimated fair value at the date of the donation. The cost of normal maintenance and repairs that do not add to the value of the asset or materially extend the assets' lives are not capitalized. A capitalization threshold of \$10,000 is used.

Capital assets are being depreciated using the straight-line method over the following estimated useful lives:

<u>Asset Class</u>	<u>Estimated Useful Lives</u>
Buildings	10-50
Water Systems	10-50
Improvement of sites	7-25
Equipment	5-10

BUDGET CALENDAR

2020/2021

Date	Task
02/12/20	Discuss the budget process with Senior Managers and distribute the budget calendar at the Manager's Meeting.
March	Calculate projections of Wage & Benefits for all personnel, including COLA's and merit increases. Preliminary staffing analysis.
03/10/20	Review the budget calendar with the Budget and Finance Committee.
03/16/20	Implement fiscal impacts associated with annual updates to the Strategic Plan into the Operating and Capital Budgets.
03/23/20	Implement fiscal impacts associated with annual updates to the Staffing Analysis into the Operating and Capital Budgets.
03/27/20	Schedule budget meetings with the Department heads for early-April. Distribute YTD departmental expense report.
04/02/20	Budget meetings with Department heads begin. Department heads propose budgeted expenditures for next fiscal year and provide any necessary documentation for justification for proposed expenditures.
04/27/20	Follow-up budget meetings with Senior Managers begin. Rough draft of Operating and Capital Budgets reviewed by the Senior Managers.
05/10/20	Review preliminary budget status/assumptions with the Budget and Finance Committee.
05/13/20	Departmental Summaries and any other budget related documents due from Senior Managers.
06/09/20	First Draft of the Budget is reviewed by the Budget and Finance Committee. After budget is reviewed and updated, per input received from discussion, a copy of the draft is provided to the Board of Directors.
06/23/20	Final budget recommendation is presented to Board of Directors for adoption.
07/22/20	Publish Adopted Budget Book

DESCRIPTION OF MAJOR FUNDS

<u>Fund Name</u>	<u>Fund</u>	<u>Description</u>
Water Operating Fund -	01	The purpose of this fund is to track receipt of water revenues and expenditures for day to day water-related operations, including customer billing, water purchases and to provide funding in case of water-related operating emergencies and unforeseen circumstances. It includes cost centers: Pumping, Water Operations, Valve Maintenance, Water Distribution, & Meters.
Sewer Operating Fund -	02	The purpose of this fund is to track receipt of waste water revenues and expenditures for day to day waste water related operations, including customer billing, contractual payments to the City of Oceanside for treatment of sewage and to provide funding in case of waste water related operating emergencies and unforeseen circumstances. This fund only includes the Wastewater cost center.
General Operating Fund -	03	The purpose of this fund is used to account for general operations and activities not requiring the use of other funds. This includes the cost centers that provide day to day administrative duties for the District which are: Executive Administration, Human Resources, Safety, Finance, Customer Service, and Engineering.
Rate Stabilization Fund -	05	The purpose of this fund is to mitigate rate impacts from changes in water demand. The reserve should equal to 10% of annual water revenues. The fund was established on January 1, 2016. Funds for this reserve will come from water rates and charges.
Waste Water Capital Fund -	53	The purpose of this fund is used to provide funding for the District's long-term waste water related capital improvement projects. It is funded by the cash collected for sewer capacity charges and surpluses generated by sewer operations (excess of revenue over expense before depreciation). Reserves will be used for fund for infrastructure repair, rehabilitations, and replacement projects.
Water Capital Fund -	60	The purpose of this fund is to provide funding for the District's long-term water related capital improvement projects. It is funded by the cash collected for water capacity charges and by surpluses generated by water operations (excess of revenue over expenses before depreciation). Reserves will be used to fund infrastructure expansion, repairs, rehabilitations, and replacement projects.

REVENUE AND EXPENSE ASSUMPTIONS

Water Revenue Assumptions

Water Operating Fund Commodity water sales are the largest source of District revenues, with the majority of sales approximately 65% for agricultural use and 29% for residential customers and the other customer classes make up the remaining 6%.

The current water rate structure of the District consists of two main components: a monthly meter charge and variable water charges. The rates for the monthly meter charge vary by meter size, whereas the variable charges vary by customer class and water usage. The following tables summarize the current rate structure. Table 1-1 identifies the current monthly meter charges, by meter size. Table 1-2 identifies the current variable charges by customer class. As shown in Table 1-2, the District's current commodity rate structure is comprised of inclining tiers for: single-family residential customers and agricultural customers with a residence, and a flat rate for commercial, institutional, and multi-family customers.

TABLE 1-1

Water Fixed Charges														
Single Family, Multi-Family, Commercial, & Institutional					Agricultural					TSAWR				
Capacity Class	Meter Size	RMWD O & M	SDCWA Fixed Pass Through	Total Fixed Charges	Capacity Class	Meter Size	RMWD O & M	SDCWA Fixed Pass Through	Total Fixed Charges	Capacity Class	Meter Size	RMWD O & M	SDCWA Fixed Pass Through	Total Fixed Charges
A	5/8"	\$35.14	\$30.42	\$65.56	A	5/8"	\$63.83	\$30.42	\$94.25	A	5/8"	\$63.83	\$13.53	\$77.36
B	3/4"	\$35.14	\$30.42	\$65.56	B	3/4"	\$63.83	\$30.42	\$94.25	B	3/4"	\$63.83	\$13.53	\$77.36
C	1"	\$54.89	\$50.70	\$105.59	C	1"	\$102.66	\$50.70	\$153.36	C	1"	\$102.66	\$22.55	\$125.21
D	1 1/2"	\$104.22	\$101.40	\$205.62	D	1 1/2"	\$199.80	\$101.40	\$301.20	D	1 1/2"	\$199.80	\$45.09	\$244.89
E	2"	\$163.43	\$162.24	\$325.67	E	2"	\$316.37	\$162.24	\$478.61	E	2"	\$316.37	\$72.15	\$388.52
F	3"	\$350.91	\$354.90	\$705.81	F	3"	\$685.47	\$354.90	\$1,040.37	F	3"	\$685.47	\$157.83	\$843.30
G	4"	\$627.22	\$638.82	\$1,266.04	G	4"	\$1,229.43	\$638.82	\$1,868.25	G	4"	\$1,229.43	\$284.10	\$1,513.53
H	6"	\$1,288.35	\$1,318.20	\$2,606.55	H	6"	\$2,530.98	\$1,318.20	\$3,849.18	H	6"	\$2,530.98	\$586.23	\$3,117.21

TABLE 1-2

Water Variable Charges				Water Pumping Charges**	
Customer Class	Rate/Unit*	Customer Class	Rate/Unit*	Fixed Pumping Charges	
Single Family Residential		Agriculture w/Residence		All Zones	\$ 9.24
Tier 1 = ≥ 10	\$ 3.73	Tier 1 = ≥ 10	\$ 3.73	Variable Pumping Charges	
Tier 2 = 11 to 26	\$ 3.99	Tier 2 = 11 to 26	\$ 3.99	Pumping Zones	Rate/Unit*
Tier 3 = 27 +	\$ 4.48	Tier 3 = 27 +	\$ 3.63	1 Rainbow Heights	\$ 1.03
Multi Family	\$ 3.87	Agriculture w/o Residence	\$ 3.63	2 ID U-1	\$ 0.64
Commercial	\$ 4.03			3 Vallecitos	\$ 0.36
Institutional	\$ 4.14	TSAWR Domestic		4 Northside	\$ 0.13
Construction	\$ 5.20	Tier 1 = ≥ 10	\$ 3.94	5 Morro Tank	\$ 0.19
		Tier 2 = 11 to 26	\$ 4.21	6 Huntley	\$ 0.75
		Tier 3 = 27 +	\$ 3.15	7 Magee Tank	\$ 3.37
		TSAWR Commercial	\$ 3.15		

Each year, the Board of Directors approves the Budget as the District's foundational financial plan. It is a cash-based projection of revenues and expenditures needed for operations, maintenance, administration, debt service and capital improvements associated with delivering high-quality service to customers throughout the year. Specifically, the Budget incorporates conservative revenue estimates, prudent spending plans, and a thorough review of necessary capital improvements to ensure the long-term sustainability of the District. In developing the budget, staff considered both internal and external factors including the economy, weather, regulatory requirements, and the condition and age of the District's infrastructure.

This year water sales have decreased from the prior two years due to a particularly wet winter. It is predicted to be 13,500-acre feet in sales. As a result of development, new service connections have slightly mitigated the decreased sales. We estimate an additional 293 new accounts for FY 2020-21.

An approach the District took with the new cost of service study is to be less susceptible to volatile revenues by increasing the distribution of fixed revenues. The last few years were the lowest water sales since the inception of the District, barely recovering cost. If variable sales persist at this reduced level, the District would not be able to sustain repeated years of cost recovery that fails to appropriately contribute to capital reserve levels for much needed capital projects. As such, the direction the Board took was to reduce the reliance on variable revenue steadily over the next few years.

Fixed revenue estimated for FY 2020-21 includes the increase that was effective April 1, 2019 as well as additional growth; they also include the pass-through water rate increases from the San Diego Water Authority effective January 2021, which impact the budget year for half the year. This has resulted in a nominal change in projected fixed revenues over the prior year. It is anticipated that sales will be just over 13,500-acre feet this Fiscal Year 20-21. The prior two years sales ranged between 13,000 and 16,000-acre feet, and as a conservative approach, 13,500-acre feet has been projected for the upcoming budget year.

The volumetric variable estimated sales by customer class will be based on the projected demand for the upcoming Fiscal Year. For the agricultural customers that are not on the TSAWR program, it is estimated for them to consume 1,086,650 units without residence and 287,343 with residence in Fiscal Year 2020-21. For the agricultural customers that are on the TSAWR program, we are estimating their usage to be at 2,736,817 units. For both Single Family and Multi-Family combined, projections are at 1,203,427 units. Lastly, for the Commercial, Construction, and Institutional users, estimates are at 372,979.

The Rainbow O&M Fixed Charge is a service fixed charge per meter to recover some of the fixed costs such as meter related costs, customer related costs, and a portion of the capacity related cost, to provide a stable source of revenue independent of water consumption. The monthly fixed charge varies by customer class and by meter size.

The SDCWA O&M Monthly Fixed Charge is a pass-through fixed charge from SDCWA and MWD as a separated fixed charge. The District relies entirely on purchased water from SDCWA and these charges represent part of the costs of purchasing water which the District has no control. Annually, SDCWA increases their rates effective January, in which the District will be passing through all increases to the customer. For Calendar Year 2021, ***SDCWA has increased Fixed Costs by 3%.***

Other Water Services Revenues; including backflow fees, turn-on and reconnection fees, hydrant fees, plan check fees, NSF charges, and penalty fees, are projected based upon current fiscal year activity.

Rental and Lease Revenues are projected based upon contract agreements with various entities for use of the District's vacant land, as well as a lease agreement with Sprint Communication for use of space on facility grounds for their communication equipment.

Interest Income for the water and wastewater operating funds is projected based on an average yield for LAIF investments and 1.00% for the balance of our investment portfolio.

Purchased Water includes the cost at the point of delivery of water purchased for resale. SDCWA fixed charges are the following categories: Readiness-to-Serve charge, Infrastructure Access Charge, Customer Service Charge, Capacity Reservation Charge, Emergency Storage, and Supply Reliability Charge. The total amount of SDCWA assessed fixed charges for the Fiscal Year 2020-21 is estimated to be at \$5.2M. Additionally to the fixed charges there is the commodity rate for the water purchase and transportation cost, it is proposed to be an increase in the variable rate for water and that will be passed through to the customer. SDCWA is proposing a melded increase to their rates that will take effect January 2021. During the District's noticing under the Proposition 218 compliance, language was included to allow the District to pass through to its customers any increase imposed on the District by SDCWA to avoid operational deficits, depletion of reserves, an inability to address infrastructure and water quality improvements, and to continue to provide a safe, reliable water supply. Increases from SDCWA for January 1, 2020, however, were not passed through to the customers. Due to the planned detachment, the Rainbow board choose to hold the line on a rate increase since relief was on the way – even though SDCWA had raised fixed rates 6% for calendar year 2020. As of June 30, 2020, RMWD has absorbed approximately \$389,328 of rate increases that would have been passed through to customers. By January 1, 2021, RMWD will have absorbed nearly \$1 Million in added SDCWA costs. While our small but prudent reserves allowed us to provide this rate relief in the short term, it is not sustainable for multiple years.

The District Board of Directors receives compensation for attendance at regular and board approved special meetings. The budget estimates that each director will be compensated for the eleven regular meetings and two special meetings. It is also budgeted for training and travel for

educational purposes, although the travel and training budgets have been cut by 60% in comparison to the prior year due to an estimated reduction in sales and less travel due to the Covid-19 pandemic.

The Pumping costs are maintained in a separate cost center in order to identify the specific costs of operating and maintaining the pumping equipment that pushes water to higher elevations within the district. The district identifies seven pumping zones to account for the cost and developed a discrete charge for customers in each zone. Labor expenses are charged to this cost center by various staff members when they are assigned to perform work in maintaining the pumping equipment. For budget purposes a 0.5 FTE staffing equivalent is calculated into the labor cost. The single largest expense item is the cost of the electricity and gas used by the 17 pumps.

Water Operations is responsible for maintenance and testing of water quality with the six reservoirs and twelve water tanks. The water tanks are maintained by a long-term contract with Utility Services. The tank maintenance program ensures the tanks will remain in good operating condition for decades to come. Annually, Metropolitan and SDCWA schedule shutdowns for the major repair or upgrade of their pipelines. Shutdowns are scheduled but will not require Rainbow to shut down any of our systems. This avoids significant cost and inconvenience for the district.

Valve Maintenance is responsible for the maintenance, repair and replacement of nearly 5,000 valves within the district.

Water Distribution is responsible for the administration, construction and maintenance of 323 miles of water mainlines.

Meter Services performs all monthly meter reads as well as customer onsite response, backflow services and the Itron radio read meter installation program.

Garage Services performs the maintenance and repair of all district fleet vehicles. The district vehicles are typically kept in service based on age, mileage and or condition of the vehicle.

General Administration includes the General Manager, administrative support to the General Manager, insurance, legal, and miscellaneous supplies as needed.

Human Resources handles recruiting, workforce development, and employee benefits management.

Safety handles the design, deployment and administration of programs that promote employee safety. They also manage property & liability insurance as well as district paid claims.

Finance is responsible for the monitoring of overall financial stability of the District, audits, financial reporting, accounts payable, payroll, budgeting, and inventory. The majority of expense in this department is labor related.

Customer Service performs all billing services and responds to customers' questions and concerns.

Engineering performs capital project engineering and inspection services for the district.

Capital equipment purchases for all funds are \$869,000. Of this, \$380,000 relates to equipment for vehicle replacement.

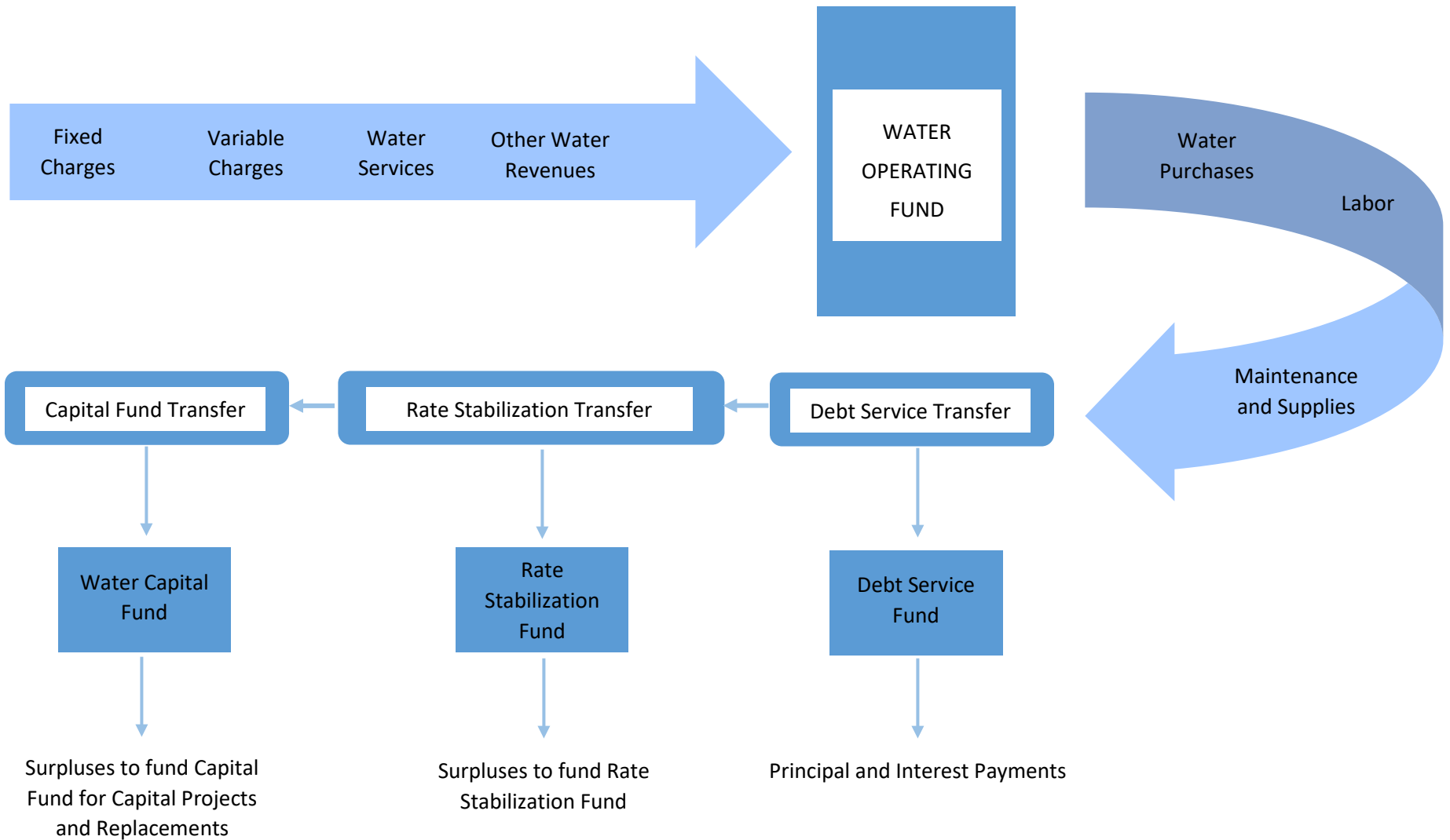
Wastewater Revenue Assumptions

Wastewater revenues are based on wastewater collection and treatment services provided to our customers. Wastewater Service Revenues are projected based upon a total of 4,970.32 Equivalent Dwelling Units (EDUs), a total of 2,918 wastewater accounts compared to approximately 9,013 water accounts. For wastewater rates, we changed the way the rates are calculated. In the past, we used the lowest winter water consumption to set wastewater rates. When we reviewed this data, we found that there was not a strong correlation between our costs to provide service and the lowest winter water consumption. It turns out that low winter consumption is based more on weather than the cost to provide wastewater service. In the revised structure, for residential use there is a flat fee per home, or equivalent dwelling unit (EDU). On average, our residential customers will see a reduction in their bill, but there will be some customers whose bills will increase. Commercial customers will see an increase in their bills as our review indicated that the cost to serve commercial customers, especially restaurants, is higher than our previous rates were collecting.

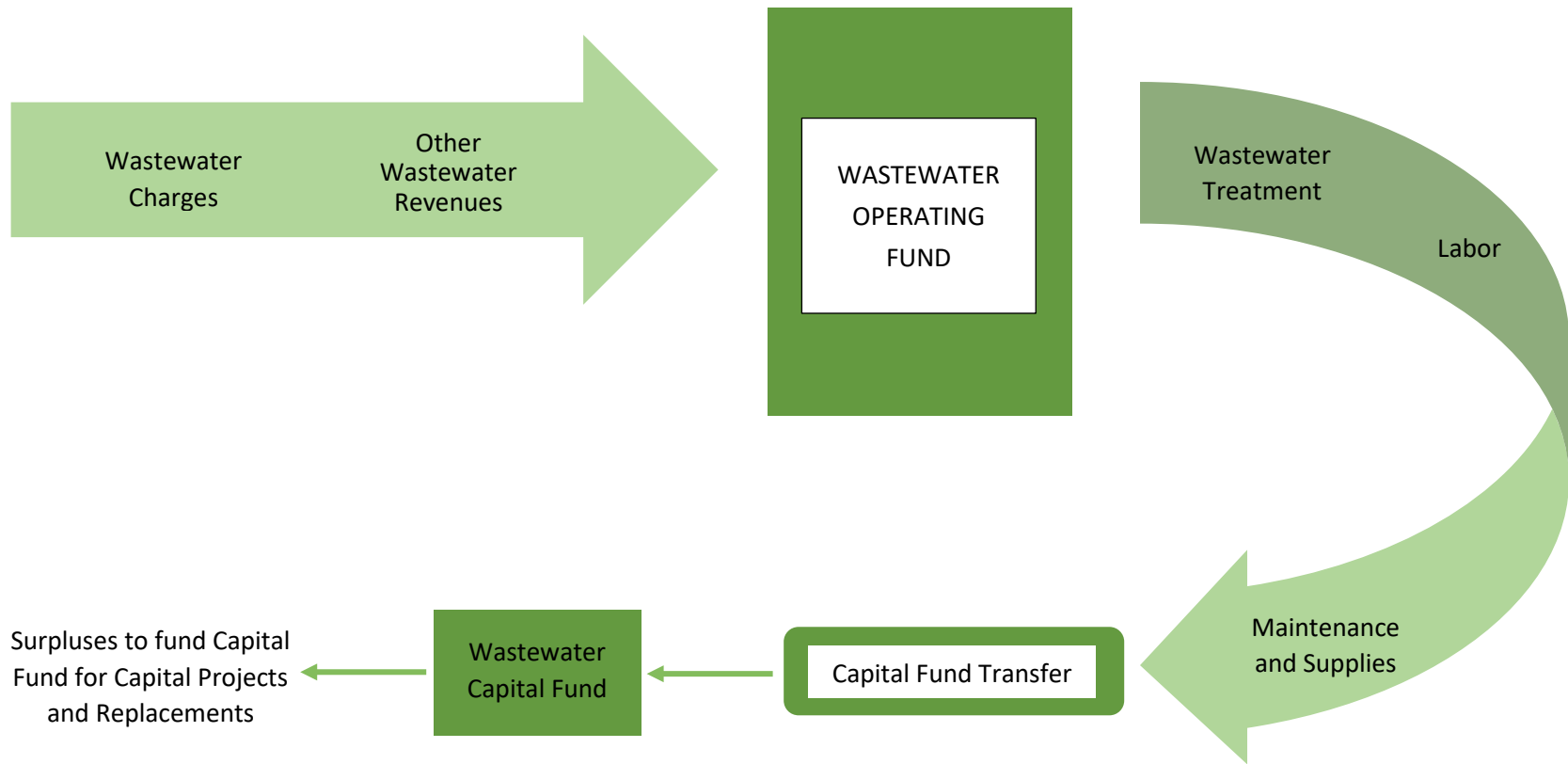
Wastewater is responsible for maintenance and repair of all 60 miles of wastewater lines and pumping systems. The contract with the City of Oceanside for the treatment and discharge of the wastewater is the primary cost factor for this department.

FUNDS STRUCTURE

WATER OPERATING FUND



WASTEWATER OPERATING FUND



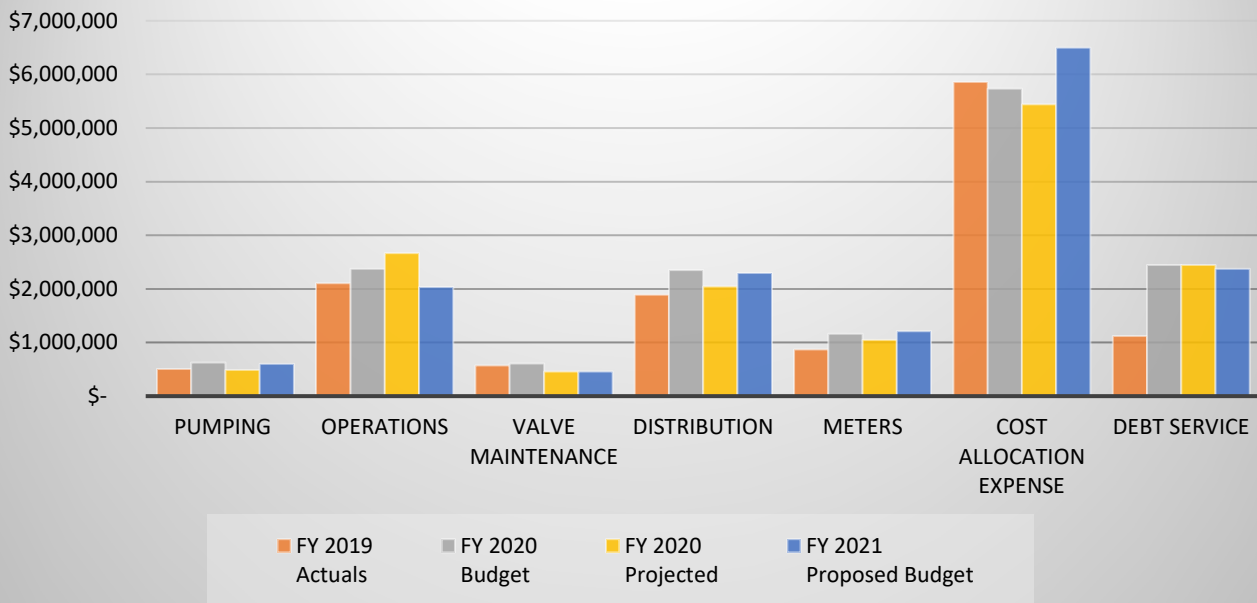
OPERATING BUDGET

WATER FUND BUDGET SUMMARY

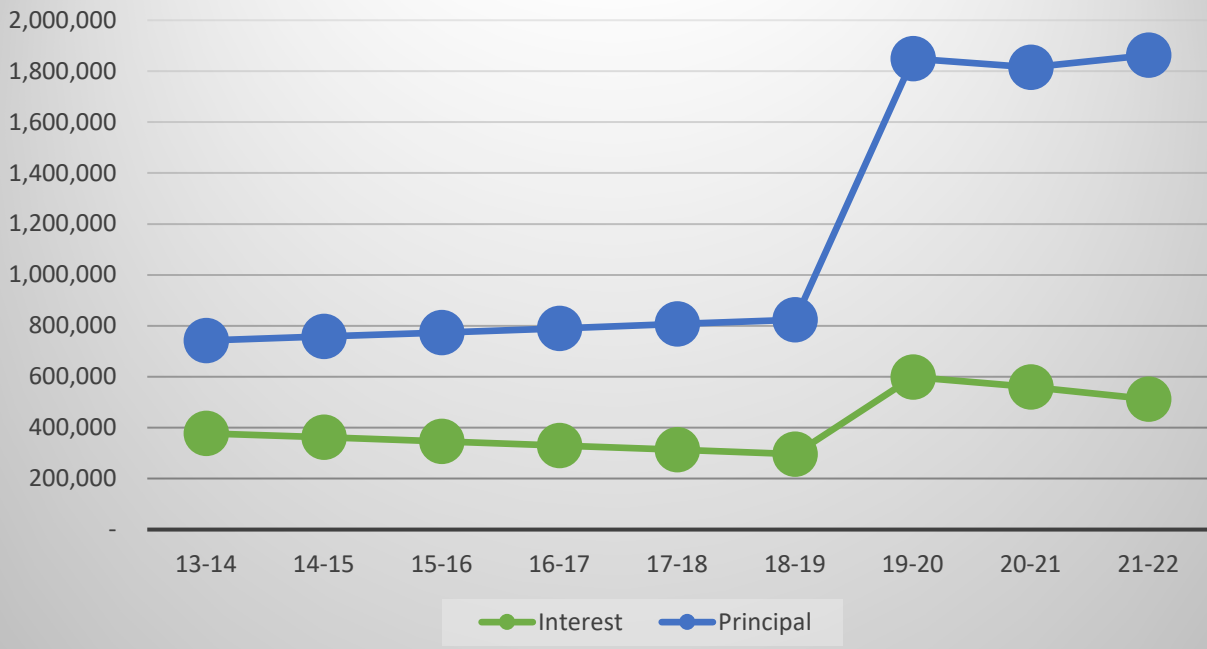
Water Net

Description	FY 2018 Actual	FY 2019 Actual	FY 2020 Budget	FY 2020 Projected	FY 2021 Budget	FY20 % Change
<i>Operating Revenues</i>						
Water Sales	\$38,190,001	\$32,685,282	\$40,714,313	\$34,314,441	\$36,160,250	-11%
Other Water Services	664,982	414,521	415,000	324,664	324,664	-22%
Total Operating Revenues	38,854,983	33,099,803	41,129,313	34,639,105	36,484,915	-11%
<i>Operating Expenses</i>						
Purchased Water	27,040,873	22,401,158	25,273,709	20,502,608	21,324,324	-16%
Pumping	591,529	504,464	627,423	485,836	599,199	-4%
Operations	2,054,201	2,105,621	2,372,655	2,665,010	2,031,228	-14%
Valve Maintenance	445,531	572,201	605,466	461,565	456,900	-25%
Construction	2,261,956	1,892,928	2,353,262	2,043,708	2,298,727	-2%
Meters	1,003,899	868,531	1,164,684	1,049,415	1,211,381	4%
General Fund Transfer	4,007,803	5,859,561	5,731,578	5,442,436	6,499,782	13%
Total Operating Expenses	37,405,792	34,204,464	38,128,777	32,650,577	34,421,541	-10%
<i>Non-Operating Revenues</i>						
Investment Income	8,944	19,465	-	-	-	0%
Property Tax Revenue	380,944	399,417	400,000	329,230	400,000	0%
Other Non-Operating Revenue	48,888	17,256	12,000	2,487	12,000	0%
Total Non-Operating Revenues	438,776	436,138	412,000	331,717	412,000	0%
<i>Non-Operating Expenses</i>						
Debt Service	1,120,142	1,120,142	2,447,793	2,447,793	2,374,827	
Total Non-Operating Expenses	1,120,142	1,120,142	2,447,793	2,447,793	2,374,827	-3%
CHANGE IN NET POSITION	\$767,825	-\$1,788,665	\$964,743	-\$127,548	\$100,547	

Water Fund Expenses



Debt Service



WATER FUND BUDGETED REVENUES

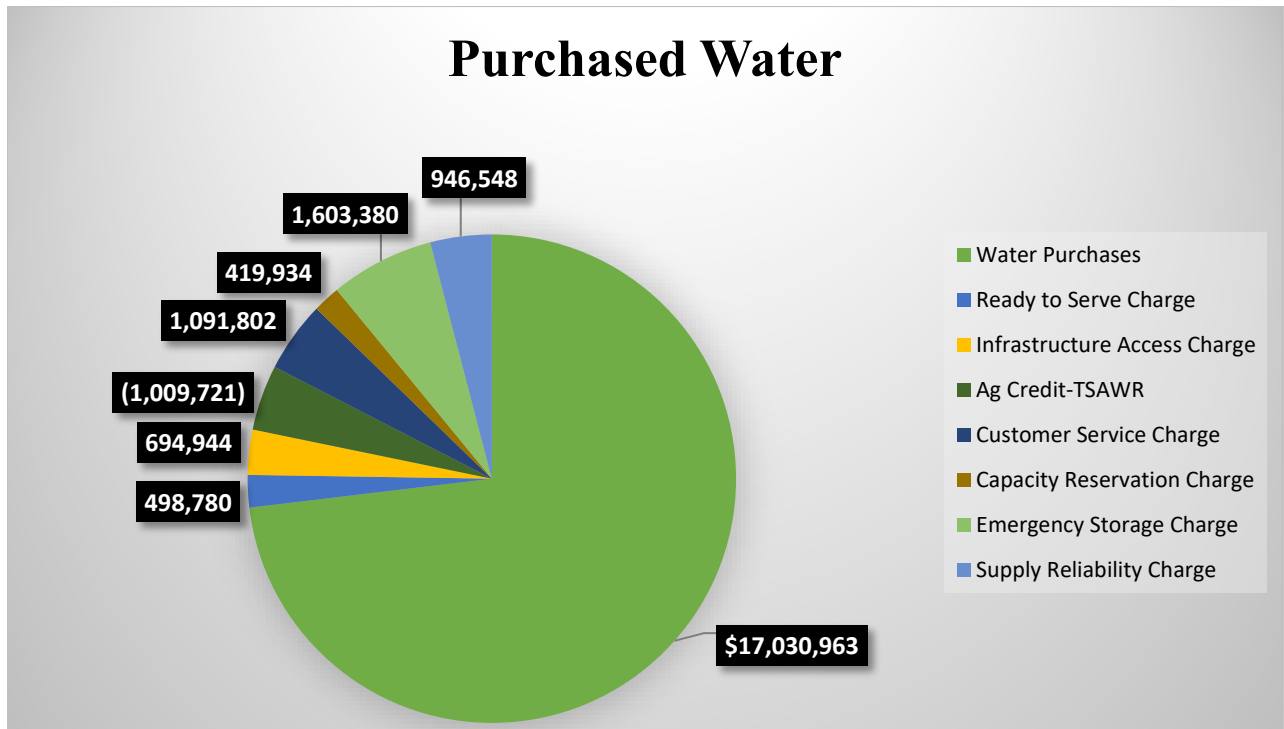
WATER REVENUE

GL Account	Description	FY 2018 Actual	FY 2019 Actual	FY 2020 Budget	FY 2020 Projected	FY 2021 Budget	FY20 % Change
01-99-41110	Water Sales-SF, MF, CM, IS	\$8,176,604	\$7,163,770	\$8,995,853	\$6,788,080	\$7,538,364	-16%
01-99-41120	Water Sales-Ag. Domestic	1,186,715	988,568	1,157,990	1,031,387	1,070,554	-8%
01-99-41160	Water Sales- Agriculture	4,341,900	3,342,788	4,244,195	3,887,489	4,031,470	-5%
01-99-41170	Water Sales-Construction	401,721	177,267	359,434	91,398	97,442	-73%
01-99-41180	Water Sales - TSAWR Com	4,505,276	3,372,155	4,791,121	3,613,376	3,828,353	-20%
01-99-41190	Water Sales- TSAWR Dom	7,180,904	4,648,564	7,055,098	4,891,772	5,189,723	-26%
01-99-42120	O&M Charges-RMWD	5,943,515	7,060,429	8,231,385	8,231,385	8,388,335	2%
01-99-42121	O&M Charges-CWA	5,468,692	5,005,678	4,946,955	4,946,955	5,157,699	4%
01-99-42130	Readiness-To-Serve Rev.	294,320	295,198	250,000	249,999	250,000	0%
01-99-42140	Pumping Charges	690,354	630,865	682,283	582,600	608,312	-11%
01-99-43101	Operating Inc Turn On Fees	13,000	10,550	11,000	4,999	5,000	-55%
01-99-43104	Operating Inc. R.P. Charges	277,633	279,334	275,000	245,665	245,665	-11%
01-99-43106	Operating Inc-Water Letter	-	-	-	-	-	0%
01-99-43108	Operating Inc Plans & Specs	-	-	-	-	-	0%
01-99-43110	Operating Inc Inspections	246,126	15,516	20,000	20,000	20,000	0%
01-99-43111	Operating Inc Install - Hyd	4,830	2,070	2,000	2,000	2,000	0%
01-99-43114	Operating Inc - Misc.	7,078	7,036	7,000	7,000	7,000	0%
01-99-43116	New Meter/Install Parts Fee	70,795	37,695	40,000	40,000	40,000	0%
01-99-43117	Notice Delivery Revenue	45,520	62,320	60,000	5,000	5,000	-92%
Total Operating Revenue		38,854,983	33,099,803	41,129,313	34,639,105	36,484,916	-11%
01-00-49102	Non-Operating Inc-NSF Fees	1,440	3,090	3,000	-	3,000	0%
01-00-49107	Recycling Revenue	-	6,869	8,000	-	8,000	0%
01-00-49109	Miscellaneous Revenue	47,448	7,297	1,000	2,487	1,000	0%
01-00-49200	Interest Revenues	8,944	19,465	-	-	-	0%
01-00-49301	Property Tax Revenue	380,944	399,417	400,000	329,230	400,000	0%
Total Non-Operating Revenue		438,776	436,138	412,000	331,717	412,000	0%
TOTAL WATER REVENUE		\$39,293,759	\$33,535,941	\$41,541,313	\$34,970,822	\$36,896,916	-11%

WATER FUND BUDGETED EXPENSES

PURCHASED WATER

GL Account	Description	FY 2018 Actual	FY 2019 Actual	FY 2020 Budget	FY 2020 Projected	FY 2021 Budget	FY20 % Change
01-99-50001	Water Purchases	\$23,613,008	\$18,455,583	\$21,882,029	\$16,550,204	\$17,030,963	-22%
01-99-50003	Water in Storage	101,213	229,029	-	-	-	0%
01-99-50005	Ready to Serve Charge	495,710	480,358	492,060	492,060	498,780	1%
01-99-50006	Infrastructure Access Charge	504,564	512,418	579,672	579,672	694,944	20%
01-99-50008	Ag Credit-TSAWR	(1,579,700)	(1,127,274)	(1,616,952)	(1,056,228)	(1,009,721)	38%
01-99-50010	Customer Service Charge	1,136,494	1,091,747	1,085,052	1,085,052	1,109,124	2%
01-99-50011	Capacity Reservation Charge	490,275	458,393	400,236	400,236	419,934	5%
01-99-50012	Emergency Storage Charge	1,577,715	1,561,472	1,616,670	1,616,670	1,603,380	-1%
01-99-50013	Supply Reliability Charge	701,594	739,431	834,942	834,942	976,920	17%
Total Purchased Water		\$27,040,873	\$22,401,158	\$25,273,709	\$20,502,608	\$21,324,324	-16%



PUMPING EXPENSE

GL Account	Description	FY 2018 Actual	FY 2019 Actual	FY 2020 Budget	FY 2020 Projected	FY 2021 Budget	FY20 % Change
01-31-56101	Regular Salaries	\$40,745	\$24,866	\$54,756	\$15,308	\$56,399	3%
01-31-56103	Overtime Paid, Comp Time Earned	1,046	-	250	1,434	500	100%
01-31-56501	Employer's Share FICA SSI	2,393	1,035	3,395	-	-	-100%
01-31-56502	Employer's Share FICA Medicare	601	260	794	-	-	-100%
01-31-56503	Medical Insurance	7,697	2,989	8,590	-	-	-100%
01-31-56504	Dental Insurance	728	291	928	-	-	-100%
01-31-56505	Vision Insurance	92	35	113	-	-	-100%
01-31-56506	Life, S/T, L/T Disability Insurance	-	-	409	-	-	-100%
01-31-56507	Retirement-CalPERS	4,120	1,917	6,260	-	-	-100%
01-31-56515	Worker's Compensation Insurance	-	-	2,077	-	-	-100%
01-31-56516	State Unemployment Ins, E.T.T.	35	-	252	-	-	-100%
01-31-56520	Deferred Compensation (Employer)	1,054	452	1,300	-	-	-100%
	Total Payroll Expenses	58,510	31,845	79,123	16,742	56,899	-28%
01-31-63100	Equipment Maintenance/Repair	2,697	28,990	56,500	25,655	56,500	0%
01-31-63401	Building Maintenance	-	370	20,000	15,073	14,000	-30%
01-31-72000	Supplies & Services	905	11,301	21,500	17,825	21,500	0%
01-31-72150	Regulatory Permits	3,826	-	-	-	-	0%
01-31-73000	Small Tools & Equipment	226	171	300	-	300	0%
01-31-78000	Utilities - Electricity	525,364	431,787	450,000	410,540	450,000	0%
	Total Maintenance & Supply	533,018	472,619	548,300	469,093	542,300	-1%
	TOTAL PUMPING EXPENSES	\$591,529	\$504,464	\$627,423	\$485,836	\$599,199	-4%

OPERATIONS EXPENSE

GL Account	Description	FY 2018 Actual	FY 2019 Actual	FY 2020 Budget	FY 2020 Projected	FY 2021 Budget	FY20 % Change
01-32-56101	Regular Salaries	\$741,770	\$754,339	\$726,843	\$813,243	\$523,073	-28%
01-32-56103	Overtime Paid, Comp Time Earned	64,185	67,059	60,000	107,186	65,000	8%
01-32-56501	Employer's Share FICA SSI	47,465	50,299	43,656	48,213	34,519	-21%
01-32-56502	Employer's Share FICA Medicare	11,904	12,200	10,539	11,554	8,402	-20%
01-32-56503	Medical Insurance	133,714	127,314	117,684	117,661	104,420	-11%
01-32-56504	Dental Insurance	13,065	12,915	12,061	11,670	9,462	-22%
01-32-56505	Vision Insurance	1,654	1,606	1,469	1,414	1,130	-23%
01-32-56506	Life, S/T, L/T Disability Insurance	8,654	13,144	8,267	13,170	6,637	-20%
01-32-56507	Retirement-CalPERS	68,261	77,792	83,093	77,481	71,629	-14%
01-32-56512	Training/Tuition Reimbursement	4,683	5,206	6,500	781	2,000	-69%
01-32-56515	Worker's Compensation Insurance	-	29,935	16,408	35,684	19,495	19%
01-32-56516	State Unemployment Ins, E.T.T.	1,717	2,076	1,512	2,041	1,260	-17%
01-32-56518	Duty Pay	15,550	15,400	14,200	13,620	15,000	6%
01-32-56520	Deferred Compensation (Employer)	20,523	20,519	16,640	18,048	15,600	-6%
	Total Payroll Expenses	1,133,145	1,189,802	1,118,873	1,271,767	877,628	-22%
01-32-60000	Electronics	3,089	5,121	15,000	10,071	13,000	-13%
01-32-63100	Equipment Maintenance/Repairs	3,035	5,910	9,000	4,055	12,500	39%
01-32-63102	Equipment Maintenance Contract	38,151	5,363	32,500	5,482	49,000	51%
01-32-63200	Equipment Rental	-	-	42,000	106,012	42,000	0%
01-32-63401	Building Maintenance	23	-	20,000	4,935	20,000	0%
01-32-72000	Supplies & Services	236,066	170,847	283,000	508,626	70,000	-75%
01-32-72010	Tank Maintenance	562,803	635,563	769,182	671,420	864,500	12%
01-32-72150	Regulatory Permits	53,196	58,447	53,600	66,938	57,600	7%
01-32-72700	Printing & Reproductions	-	13,953	7,500	-	7,500	0%
01-32-73000	Small Tools & Equipment	8,801	1,823	3,000	2,795	5,000	67%
01-32-75300	Travel/Conferences/Training	5,257	4,871	6,500	456	-	-100%
01-32-78000	Utilities	10,636	13,922	12,500	12,452	12,500	0%
	Total Maintenance & Supply	921,057	915,818	1,253,782	1,393,243	1,153,600	-8%
	TOTAL OPERATIONS EXPENSES	\$2,054,201	\$2,105,621	\$2,372,655	\$2,665,010	\$2,031,228	-14%

VALVE MAINTENANCE EXPENSES

GL Account	Description	FY 2018 Actual	FY 2019 Actual	FY 2020 Budget	FY 2020 Projected	FY 2021 Budget	FY20 % Change
01-33-56101	Regular Salaries	\$250,748	\$302,177	\$356,694	\$262,883	\$279,437	-22%
01-33-56103	Overtime Paid, Comp Time Earned	7,194	19,883	7,500	13,247	11,000	47%
01-33-56501	Employer's Share FICA SSI	14,872	19,356	22,115	22,753	17,325	-22%
01-33-56502	Employer's Share FICA Medicare	3,736	4,644	5,172	5,321	4,052	-22%
01-33-56503	Medical Insurance	56,414	64,963	72,711	70,429	56,626	-22%
01-33-56504	Dental Insurance	5,463	6,582	7,422	7,078	5,817	-22%
01-33-56505	Vision Insurance	685	803	904	846	678	-25%
01-33-56506	Life, S/T, L/T Disability Insurance	3,341	3,518	4,060	3,913	3,185	-22%
01-33-56507	Retirement-CalPERS	23,779	32,046	40,777	37,071	34,541	-15%
01-33-56512	Training/Tuition Reimbursement	480	381	1,000	524	1,000	0%
01-33-56515	Worker's Compensation Insurance	0	11,920	8,052	19,305	10,034	25%
01-33-56516	State Unemployment Ins, E.T.T.	856	1,093	1,008	1,142	756	-25%
01-33-56520	Deferred Compensation (Employer)	7,536	9,857	11,050	10,710	8,450	-24%
	Total Payroll Expenses	375,104	477,223	538,466	455,224	432,900	-20%
01-33-72000	Supplies & Services	69,016	90,380	60,000	4,251	20,000	-67%
01-33-73000	Small Tools & Equipment	316	2,398	4,000	1,405	4,000	0%
01-33-75300	Travel/Conferences/Training	1,095	2,200	3,000	684	-	-100%
	Total Maintenance & Supply	70,427	94,978	67,000	6,340	24,000	-64%
	TOTAL VALVE MAINT. EXPENSES	\$445,531	\$572,201	\$605,466	\$461,565	\$456,900	-25%

CONSTRUCTION EXPENSES

GL Account	Description	FY 2018 Actual	FY 2019 Actual	FY 2020 Budget	FY 2020 Projected	FY 2021 Budget	FY20 % Change
01-34-56101	Regular Salaries	\$824,191	\$730,412	\$932,792	\$735,780	\$945,733	1%
01-34-56103	Overtime Paid, Comp Time Earned	125,752	73,320	100,000	139,287	100,000	0%
01-34-56501	Employer's Share FICA SSI	55,916	46,842	53,735	54,173	54,263	1%
01-34-56502	Employer's Share FICA Medicare	13,999	11,837	13,525	14,274	13,713	1%
01-34-56503	Medical Insurance	167,216	155,175	184,496	174,085	206,204	12%
01-34-56504	Dental Insurance	15,413	15,129	18,244	16,561	19,910	9%
01-34-56505	Vision Insurance	2,067	2,098	2,374	2,183	2,532	7%
01-34-56506	Life, S/T, L/T Disability Insurance	10,241	7,499	9,854	9,144	9,553	-3%
01-34-56507	Retirement-CalPERS	61,506	71,879	94,184	90,148	101,809	8%
01-34-56512	Training/Tuition Reimbursement	3,736	2,109	5,000	1,558	3,000	-40%
01-34-56515	Worker's Compensation Insurance	-	34,684	21,643	41,243	28,766	33%
01-34-56516	State Unemployment Ins, E.T.T.	2,282	2,712	2,646	3,348	2,822	7%
01-34-56518	Duty Pay	15,600	14,750	15,400	15,960	15,400	0%
01-34-56520	Deferred Compensation (Employer)	32,229	31,877	32,370	25,092	35,022	8%
	Total Payroll Expenses	1,330,148	1,200,322	1,486,262	1,322,836	1,538,727	4%
01-34-63200	Equipment Rental	-	-	-	828	-	0%
01-34-72000	Supplies & Services	927,061	681,089	650,000	591,578	550,000	-15%
01-34-72001	Easement Maintenance	-	-	200,000	116,827	200,000	100%
01-34-72400	Dues & Subscriptions	-	-	-	2,569	-	100%
01-34-73000	Small Tools & Equipment	3,474	10,853	15,000	6,844	10,000	-33%
01-34-75300	Conferences/Training	1,273	665	2,000	3,054	-	-100%
	Total Maintenance & Supply	931,808	692,606	867,000	720,872	760,000	-12%
	TOTAL CONSTRUCTION EXPENSES	\$2,261,956	\$1,892,928	\$2,353,262	\$2,043,708	\$2,298,727	-2%

METERS EXPENSES

GL Account	Description	FY 2018 Actual	FY 2019 Actual	FY 2020 Budget	FY 2020 Projected	FY 2021 Budget	FY20 % Change
01-35-56101	Regular Salaries	\$387,871	\$419,800	\$573,635	\$517,486	\$609,773	6%
01-35-56103	Overtime Paid, Comp Time Earned	46,347	42,868	40,000	52,797	50,000	25%
01-35-56501	Employer's Share FICA SSI	24,930	27,809	35,565	36,152	37,695	6%
01-35-56502	Employer's Share FICA Medicare	6,257	6,681	8,318	8,455	8,842	6%
01-35-56503	Medical Insurance	71,615	85,728	131,674	130,075	139,482	6%
01-35-56504	Dental Insurance	8,085	9,179	12,989	14,431	13,340	3%
01-35-56505	Vision Insurance	1,013	1,119	1,582	1,726	1,582	0%
01-35-56506	Life, S/T, L/T Disability Insurance	4,872	4,432	6,515	6,373	6,937	6%
01-35-56507	Retirement-CalPERS	37,216	41,132	59,641	55,645	68,569	15%
01-35-56512	Training/Tuition Reimbursement	809	1,412	1,000	2,171	1,500	50%
01-35-56515	Worker's Compensation Insurance	0	5,456	14,401	27,281	21,896	52%
01-35-56516	State Unemployment Ins, E.T.T.	1,122	1,365	1,764	2,285	1,764	0%
01-35-56520	Deferred Compensation (Employer)	11,002	13,215	19,500	19,542	19,500	0%
	Total Payroll Expenses	601,139	660,198	906,584	874,419	980,881	8%
01-35-63404	Backflow Expenses	307,901	88,138	150,000	106,641	150,500	0%
01-35-72000	Supplies & Services	94,548	116,173	80,000	61,272	65,000	-19%
01-35-73000	Small Tools & Equipment	311	2,873	25,200	6,270	15,000	-40%
01-35-75300	Training, Conferences/Travel	-	1,150	2,900	812	-	-100%
	Total Maintenance & Supply	402,760	208,334	258,100	174,996	230,500	-11%
	TOTAL METER EXPENSES	\$1,003,899	\$868,531	\$1,164,684	\$1,049,415	\$1,211,381	4%

WATER FUND DEBT SERVICE

Beck

	Interest Due	Principal Due	Total Annual Debt Service
2013-14	\$164,194	\$322,757	\$486,951
2014-15	\$157,403	\$329,549	\$486,952
2015-16	\$150,468	\$336,483	\$486,951
2016-17	\$143,388	\$343,564	\$486,952
2017-18	\$136,158	\$350,793	\$486,951
2018-19	\$128,777	\$358,175	\$486,952
2019-20	\$121,240	\$365,712	\$486,952
2020-21	\$113,544	\$373,407	\$486,951
2021-22	\$105,687	\$381,265	\$486,952
2023-32	\$594,093	\$4,762,371	\$5,356,464
Total	\$1,814,952	\$7,924,076	\$9,739,028

Morro

	Interest Due	Principal Due	Total Annual Debt Service
2013-14	\$213,505	\$419,686	\$633,191
2014-15	\$204,673	\$428,517	\$633,190
2015-16	\$195,656	\$437,525	\$633,191
2016-17	\$186,449	\$446,742	\$633,191
2017-18	\$177,049	\$456,142	\$633,191
2018-19	\$167,450	\$465,740	\$633,190
2019-20	\$157,650	\$475,541	\$633,191
2020-21	\$147,643	\$485,547	\$633,190
2021-22	\$137,426	\$495,764	\$633,190
2023-32	\$772,509	\$6,192,590	\$6,965,099
Total	\$2,360,010	\$10,303,794	\$12,663,814

Meter Replacement Project

	Interest Due	Principal Due	Total Annual Debt Service
2019-20	\$132,743	\$506,260	\$639,003
2020-21	\$155,026	\$492,037	\$647,063
2021-22	\$139,822	\$507,241	\$647,063
2022-23	\$124,148	\$522,914	\$647,062
2023-24	\$107,990	\$539,073	\$647,063
2024-25	\$91,333	\$555,730	\$647,063
2025-26	\$74,161	\$572,902	\$647,063
2026-27	\$56,458	\$590,605	\$647,063
2027-28	\$38,209	\$608,854	\$647,063
2028-29	\$19,395	\$627,668	\$647,063
Total	\$939,285	\$5,523,284	\$6,462,569

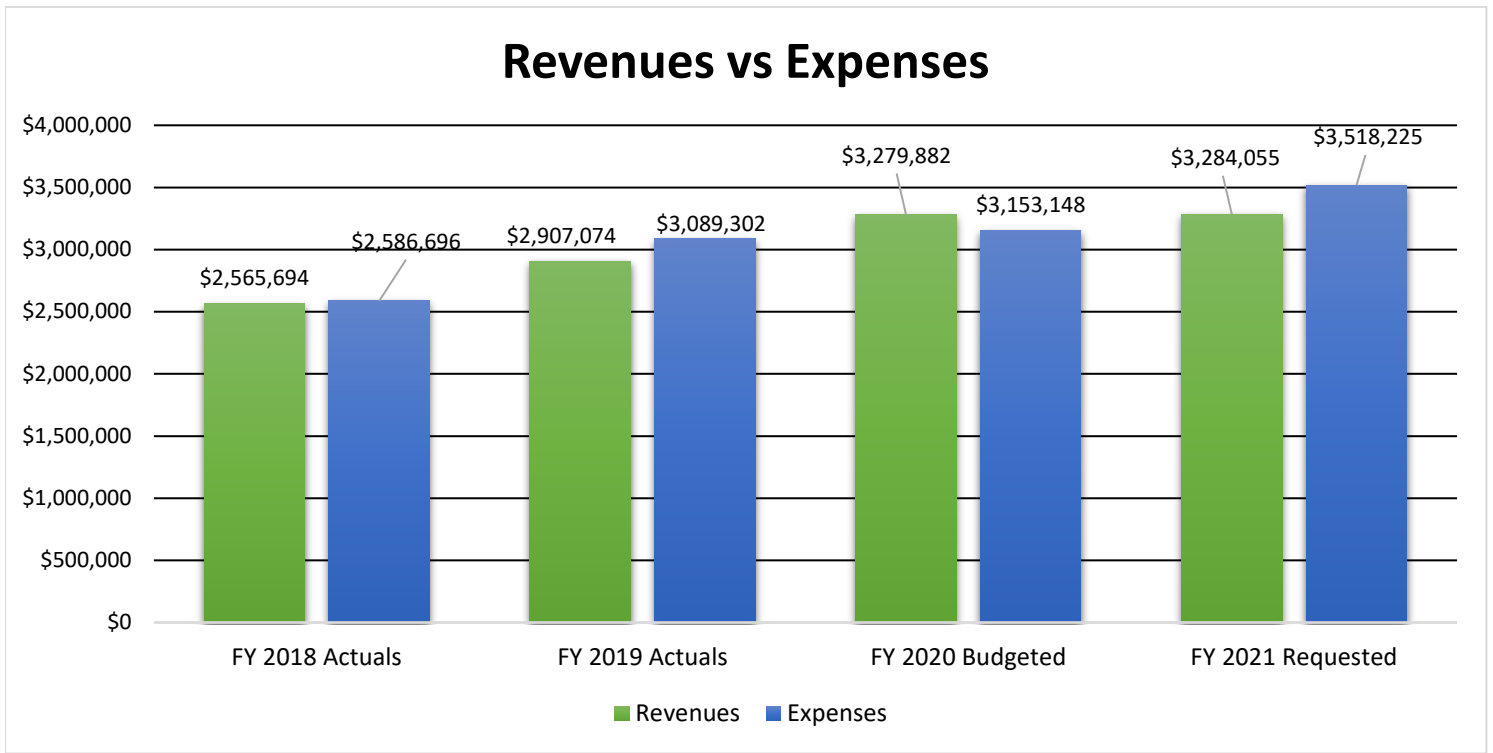
Water Service Upgrade Project

	Interest Due	Principal Due	Total Annual Debt Service
2019-20	\$187,263	\$501,384	\$688,647
2020-21	\$143,625	\$463,998	\$607,623
2021-22	\$128,636	\$478,753	\$607,389
2022-23	\$113,169	\$493,977	\$607,147
2023-24	\$97,211	\$509,686	\$606,897
2024-25	\$80,745	\$525,894	\$606,639
2025-26	\$63,756	\$542,617	\$606,373
2026-27	\$46,226	\$559,873	\$606,099
2027-28	\$28,139	\$577,676	\$605,816
2028-29	\$9,477	\$596,047	\$605,524
Total	\$898,249	\$5,249,905	\$6,148,154

WASTEWATER FUND BUDGET SUMMARY

WASTEWATER NET

Description	FY 2018 Actual	FY 2019 Actual	FY 2020 Budget	FY 2020 Projected	FY 2021 Budget	FY20 % Change
Operating Revenues						
Wastewater Revenues	\$2,452,406	\$2,779,172	\$3,168,882	\$3,168,882	\$3,194,655	1%
Other Revenues	113,288	127,902	111,000	111,000	89,400	-3%
Total Wastewater Revenues	2,565,694	2,907,074	3,279,882	3,279,882	3,284,055	0%
Operating Expenses						
Total Payroll Expenses	595,479	619,486	625,104	614,199	618,984	-1%
Total Maintenance & Supply	1,051,115	1,095,351	1,183,600	1,300,400	1,374,600	16%
General Fund Transfer	940,102	1,374,464	1,344,444	1,120,370	1,524,640	13%
Total Wastewater Expenses	2,586,696	3,089,302	3,153,148	3,034,969	3,518,225	12%
CHANGE IN NET POSITION	(\$21,002)	(\$182,228)	\$126,734	\$244,913	(\$234,170)	



WASTEWATER FUND BUDGETED REVENUES

WASTEWATER REVENUES

GL Account	Description	FY 2018 Actual	FY 2019 Actual	FY 2020 Budget	FY 2020 Projected	FY 2021 Budget	FY20 % Change
02-99-41112	Sewer Charges-Established Acct	\$2,452,406	\$2,779,172	\$3,168,882	\$3,168,882	\$3,194,655	1%
02-99-43100	Sewer-Oak Crest Service Charges	23,400	23,514	24,000	\$24,000	23,400	-3%
02-99-43106	Op. Inc - Sewer Letter Fee	400	3,350	2,000	\$2,000	1,000	-50%
02-99-43108	Op. Inc - Plan Check/Inspection Fee	35,562	37,220	25,000	\$25,000	5,000	-80%
02-99-49109	Miscellaneous Revenue	-	6,400	5,000	\$5,000	5,000	100%
02-99-49301	Property Tax Rev - Ad Valorem	53,926	57,418	55,000	\$55,000	55,000	0%
Total Wastewater Revenues		\$2,565,694	\$2,907,074	\$3,279,882	\$3,279,882	\$3,284,055	0%

WASTEWATER FUND BUDGETED EXPENSES

WASTEWATER EXPENSES

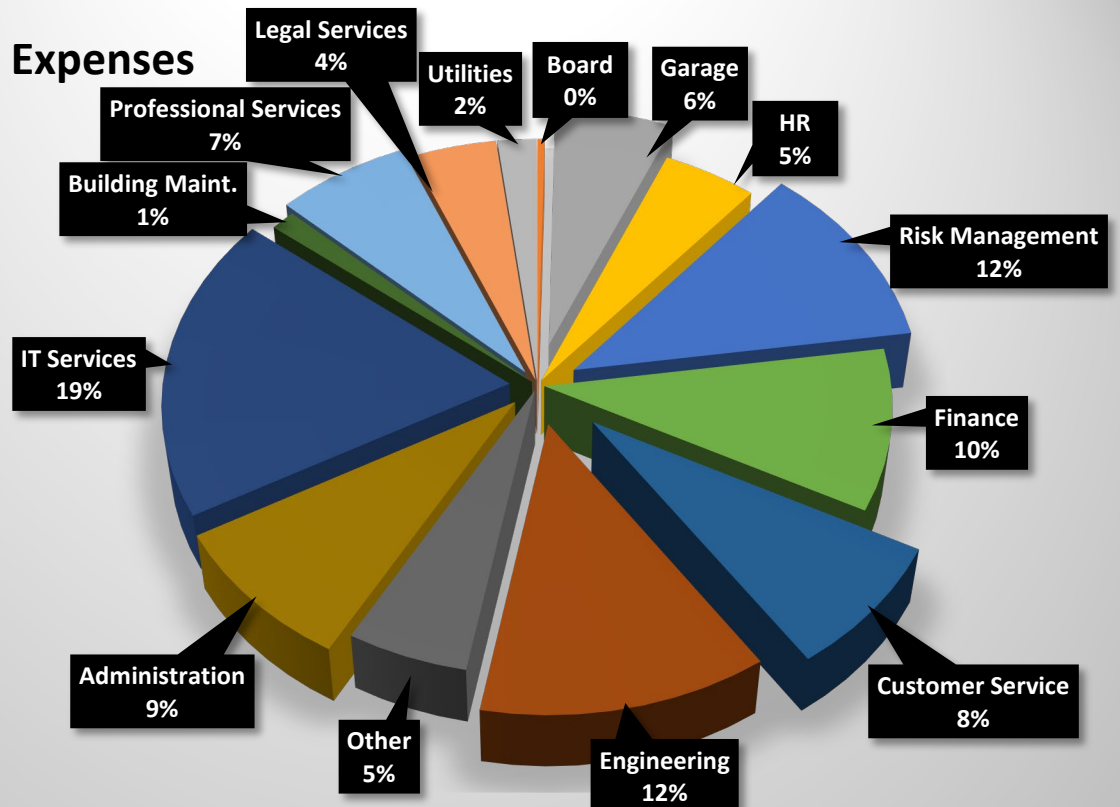
GL Account	Description	FY 2018 Actual	FY 2019 Actual	FY 2020 Budget	FY 2020 Projected	FY 2021 Budget	FY20 % Change
02-61-56101	Regular Salaries	\$367,242	\$371,630	\$383,095	\$361,987	\$373,351	-3%
02-61-56103	Overtime Paid, Comp Time Earned	34,469	39,270	35,000	35,914	35,000	0%
02-61-56501	Employer's Share FICA SSI	23,380	25,011	23,752	24,522	22,723	-4%
02-61-56502	Employer's Share FICA Medicare	5,865	6,016	5,555	5,735	5,414	-3%
02-61-56503	Medical Insurance	90,530	83,636	84,121	81,453	81,685	-3%
02-61-56504	Dental Insurance	9,023	7,223	7,422	6,866	6,651	-10%
02-61-56505	Vision Insurance	922	907	904	846	803	-11%
02-61-56506	Life, S/T, L/T Disability Insurance	4,136	3,798	4,180	4,225	5,387	29%
02-61-56507	Retirement-CalPERS	33,836	37,594	43,795	40,724	46,150	5%
02-61-56512	Training/Tuition Reimbursement	2,652	2,435	3,000	1,683	3,000	0%
02-61-56515	Worker's Compensation Insurance	-	17,078	10,623	27,232	16,155	52%
02-61-56516	State Unemployment Ins, E.T.T.	881	1,105	1,008	1,142	895	-11%
02-61-56518	Duty Pay	13,150	14,800	14,200	13,680	14,200	0%
02-61-56520	Deferred Compensation (Employer)	9,393	8,983	8,450	8,190	7,573	-10%
	Total Payroll Expenses	595,479	619,486	625,104	614,199	618,984	-1%
02-61-60000	Electronics	4,500	3,574	34,000	3,600	18,000	-47%
02-61-63100	Equipment Maintenance/Repairs	24,011	24,367	35,000	36,913	39,000	11%
02-61-63200	Equipment Rental	-	-	5,000	3,884	6,000	20%
02-61-63401	Building Maintenance	3,972	-	-	-	-	0%
02-61-70000	Professional Services	26,309	27,114	24,000	25,295	24,000	0%
02-61-72000	Supplies & Services	89,629	104,543	90,000	77,441	70,000	-22%
02-61-72150	Regulatory Permits	4,776	6,532	16,000	8,008	16,000	0%
02-61-72200	Books & Resources	147	418	500	-	500	0%
02-61-72400	Dues & Subscriptions	538	538	600	646	600	0%
02-61-72600	Sewer Line Cleaning/Maintenance	16,144	34,317	58,000	27,700	58,000	0%
02-61-73000	Small Tools & Equipment	3,825	2,669	2,500	787	2,500	0%
02-61-75300	Travel/Conferences/Training	1,336	2,185	3,000	1,114	-	-100%
02-61-77000	Sewage Treatment - Oceanside	800,388	797,279	830,000	1,042,209	1,050,000	27%
02-61-78000	Utilities	58,875	66,427	65,000	63,478	70,000	8%
02-61-78300	Hazardous Waste Material Disposal	11,280	25,388	12,000	9,324	12,000	0%
02-61-78700	Utilities-Propane	5,385	0	8,000	0	8,000	0%
	Total Maintenance & Supply	1,051,115	1,095,351	1,183,600	1,300,400	1,374,600	16%
02-99-52176	Overhead Transfer to Gen Fund	940,102	1,374,464	1,344,444	1,120,370	1,524,640	13%
	Total Transfers	940,102	1,374,464	1,344,444	1,120,370	1,524,640	13%
	TOTAL WASTEWATER EXPENSES	\$2,586,696	\$3,089,302	\$3,153,148	\$3,034,969	\$3,518,225	12%

GENERAL FUND BUDGET SUMMARY

General Net

Description	FY 2018 Actual	FY 2019 Actual	FY 2020 Budget	FY 2020 Projected	FY 2021 Budget	FY20 % Change
Operating Revenues						
Overhead Transfers from Water & Wastewater	\$4,947,904	\$7,234,026	\$7,076,023	\$6,719,057	\$8,024,423	13%
Other General Fund Revenue	635,185	667,046	525,000	107,771	135,000	-74%
Total Operating Revenues	5,583,089	7,901,071	7,601,023	6,826,828	8,159,423	7%
Operating Expenses						
Board of Directors	28,751	31,734	40,336	27,688	29,581	-27%
Garage	336,396	421,613	491,898	509,645	492,459	0%
Administration	1,619,734	1,771,033	2,285,163	2,129,620	1,881,218	-18%
Human Resources	299,761	333,419	413,990	299,929	387,975	-6%
Risk Management	482,515	502,548	793,027	841,722	941,048	19%
Information Technology Services	376,838	386,500	719,678	436,171	1,530,896	113%
Finance	601,026	568,091	550,816	577,272	807,109	47%
Customer Service	549,822	1,519,984	699,388	559,855	646,989	-7%
Engineering	1,060,318	1,319,343	1,058,316	1,024,620	1,012,148	-4%
Other Expenses	1,087,438	772,764	419,911	420,306	430,000	2%
Total Operating Expenses	6,442,600	7,627,027	7,472,523	6,826,828	8,159,423	9%
CHANGE IN NET POSITION	(\$859,511)	\$274,045	\$128,500	\$ -	\$ -	-100%

General Fund Expenses



GENERAL FUND BUDGETED REVENUES

GENERAL FUND REVENUES

GL Account	Description	FY 2018 Actual	FY 2019 Actual	FY 2020 Budget	FY 2020 Projected	FY 2021 Budget	FY20 % Change
03-99-42200	Overhead Transfer - Water & Sewer	\$4,947,904	\$7,234,026	\$7,076,023	\$6,719,057	\$8,024,423	13%
03-99-43102	Operating Inc Penalty Charges	293,327	266,874	270,000	36,107	50,000	-81%
03-99-43108	Operating Inc Plan Check Revenue	32,720	179,445	50,000	1,860	50,000	0%
03-99-49108	Non-Op. Income - Rents & Leases	169,688	172,559	170,000	50,000	-	-100%
03-99-49109	Miscellaneous Revenue	133,800	40,218	30,000	18,404	30,000	0%
03-99-49114	Misc. Revenue – Eng. Services	5,650	7,950	5,000	1,400	5,000	0%
Total General Fund Revenues		\$5,583,089	\$7,901,071	\$7,601,023	\$6,826,828	\$8,159,423	7%

GENERAL FUND BUDGETED EXPENSES

BOARD OF DIRECTOR EXPENSES

<u>GL Account</u>	<u>Description</u>	<u>FY 2018 Actual</u>	<u>FY 2019 Actual</u>	<u>FY 2020 Budget</u>	<u>FY 2020 Projected</u>	<u>FY 2021 Budget</u>	<u>FY20 % Change</u>
03-20-56202	Board Member Expenses	14,350	13,200	14,000	11,520	14,000	0%
03-20-56501	Employer's Share FICA SSI	890	818	868	714	868	0%
	Employer's Share FICA						
03-20-56502	Medicare	208	192	203	167	203	0%
03-20-56515	Worker's Compensation Ins.	-	-	-	239	300	0%
	Total Payroll Expenses	15,448	14,210	15,071	12,640	15,371	2%
03-20-72000	Supplies & Services	37	852	100	-	100	0%
03-20-75300	Travel/Conferences/Training	13,266	16,672	25,165	15,048	14,110	-44%
	Total Supplies Expenses	13,303	17,524	25,265	15,048	14,210	-44%
	TOTAL BOARD EXPENSES	28,751	31,734	40,336	27,688	29,581	-27%

GARAGE EXPENSES

GL Account	Description	FY 2018 Actual	FY 2019 Actual	FY 2020 Budget	FY 2020 Projected	FY 2021 Budget	FY20 % Change
03-36-56101	Regular Salaries	\$89,014	\$90,977	\$95,213	\$82,541	\$98,059	3%
03-36-56103	Overtime Paid, Comp Time Earned	2,536	4,641	3,000	10,935	6,000	100%
03-36-56501	Employer's Share FICA SSI	5,219	5,733	5,903	5,596	6,080	3%
03-36-56502	Employer's Share FICA Medicare	1,320	1,381	1,381	1,309	1,422	3%
03-36-56503	Medical Insurance	18,104	17,781	18,158	16,218	18,711	3%
03-36-56504	Dental Insurance	1,899	1,836	1,856	1,674	1,939	5%
03-36-56505	Vision Insurance	238	224	226	200	226	0%
03-36-56506	Life, S/T, L/T Disability Insurance	1,005	964	1,086	1,073	1,119	3%
03-36-56507	Retirement-CalPERS	8,985	9,660	10,885	9,289	12,121	11%
03-36-56512	Tuition Reimbursement	-	-	-	60	100	0%
03-36-56515	Worker's Compensation Insurance	-	3,296	2,340	5,627	3,831	64%
03-36-56516	State Unemployment Ins, E.T.T.	275	273	252	328	252	0%
03-36-56520	Deferred Compensation (Employer)	1,481	2,614	2,600	2,400	2,600	0%
	Total Payroll Expenses	130,076	139,381	142,898	137,251	152,459	7%
03-36-60000	Equipment	5,221	48,056	25,000	14,397	10,000	-60%
03-36-63100	Equipment Maintenance	31,963	28,760	50,000	82,248	60,000	20%
03-36-63421	Fuel & Oil	104,032	113,926	140,000	172,068	140,000	0%
03-36-63422	Repair, Supplies, Auto	48,404	52,499	73,000	55,635	70,000	-4%
03-36-72000	Supplies & Services	11,226	30,071	50,000	40,881	50,000	0%
03-36-72150	Regulatory Permits	2,756	4,639	4,000	-	4,000	0%
03-36-73000	Small Tools & Equipment	1,329	4,103	5,000	6,937	6,000	20%
03-36-75300	Travel/Conferences/Training	1,389	179	2,000	228	-	-100%
	Total Maintenance & Supply	206,320	282,232	349,000	372,394	340,000	-3%
	TOTAL GARAGE EXPENSES	\$336,396	\$421,613	\$491,898	\$509,645	\$492,459	0%

ADMINISTRATION EXPENSES

GL Account	Description	FY 2018 Actual	FY 2019 Actual	FY 2020 Budget	FY 2020 Projected	FY 2021 Budget	FY20 % Change
03-41-56101	Regular Salaries	515,489	547,774	606,314	498,696	387,511	-36%
03-41-56103	Overtime Paid, Comp Time Earned	24,463	17,868	20,000	11,966	15,000	-25%
03-41-56501	Employer's Share FICA SSI	25,407	27,789	28,428	24,579	15,229	-46%
03-41-56502	Employer's Share FICA Medicare	8,034	8,310	8,792	7,084	5,619	-36%
03-41-56503	Medical Insurance	46,983	52,760	62,897	54,013	32,406	-48%
03-41-56504	Dental Insurance	5,189	5,281	6,183	4,571	2,350	-62%
03-41-56505	Vision Insurance	808	832	904	746	452	-50%
03-41-56506	Life, S/T, L/T Disability Insurance	3,904	3,816	4,323	4,242	3,020	-30%
03-41-56507	Retirement-CalPERS	68,264	57,354	61,523	61,184	47,900	-22%
03-41-56511	Employee Uniform Allowance	11,899	21,035	20,000	22,481	25,000	25%
03-41-56512	Training/Tuition Reimbursement	-	-	1,000	-	1,000	0%
03-41-56515	Worker's Compensation Insurance	138,454	19,811	14,513	49,479	10,197	-30%
03-41-56516	State Unemployment Ins, E.T.T.	828	1,097	1,008	1,196	504	-50%
03-41-56520	Deferred Compensation (Employer)	16,244	16,041	10,010	7,800	2,600	-74%
	Total Payroll Expenses	865,966	779,769	845,895	748,036	548,788	-35%
03-41-63102	Equipment Maintenance Contract	4,993	270	3,000	367	3,000	0%
03-41-63200	Equipment Rental	47,443	40,308	72,468	69,924	69,000	-5%
03-41-63400	Kitchen Supplies	4,829	24,119	16,000	14,570	14,000	-13%
03-41-63401	Building Maintenance	81,460	81,637	99,400	179,680	102,200	3%
03-41-70000	Professional Services	183,832	222,474	518,750	567,173	535,000	3%
03-41-70300	Legal Services	183,986	351,270	450,000	261,224	350,000	-22%
03-41-72000	Supplies & Services	21,455	28,190	18,050	13,229	14,050	-22%
03-41-72200	Books & Resources	19	36	250	1,479	250	0%
03-41-72400	Dues & Subscriptions	61,142	68,342	62,810	73,332	62,860	0%
03-41-72702	Public Notices/Advertising	200	5,368	8,000	600	1,000	-88%
03-41-72900	Stationary & Office Supplies	10,033	13,586	10,000	4,883	5,000	-50%
03-41-74000	Communications & Phone Bills	13,329	9,085	8,500	9,948	8,500	0%
03-41-74100	Phone Bill	60,585	69,948	84,640	104,609	93,000	10%
03-41-75300	Travel/Conferences/Training	12,637	11,087	19,150	10,232	6,320	-67%
03-41-78000	Utilities-Electricity	49,009	50,324	50,000	52,734	50,000	0%
03-41-78700	Utilities -Propane	12,401	4,745	7,500	7,227	7,500	0%
03-41-78900	Trash Pick-Up	6,415	10,475	10,750	10,373	10,750	0%
	Total Maintenance & Supply	753,768	991,263	1,439,268	1,381,585	1,332,430	-7%
	TOTAL ADMIN. EXPENSES	\$1,619,734	\$1,771,033	\$2,285,163	\$2,129,620	\$1,881,218	-18%

Human Resources Expenses

GL Account	Description	FY 2018 Actual	FY 2019 Actual	FY 2020 Budget	FY 2020 Projected	FY 2021 Budget	FY20 % Change
03-42-56101	Regular Salaries	\$128,257	\$167,346	\$182,609	\$165,591	\$198,142	9%
03-42-56103	Overtime Paid, Comp Time Earned	502	1,050	1,500	233	1,500	0%
03-42-56501	Employer's Share FICA SSI	7,647	9,852	9,333	9,248	9,461	1%
03-42-56502	Employer's Share FICA Medicare	1,934	2,500	2,648	2,444	2,873	9%
03-42-56503	Medical Insurance	9,883	12,440	13,716	12,305	14,196	3%
03-42-56504	Dental Insurance	1,534	1,547	1,856	885	-	-100%
03-42-56505	Vision Insurance	219	217	236	200	226	-4%
03-42-56506	Life, S/T, L/T Disability Insurance	1,556	1,541	1,349	1,714	1,349	0%
03-42-56507	Retirement - CalPERS	9,159	9,327	8,479	9,254	9,765	15%
03-42-56512	Training/Tuition Reimbursement	-	-	1,000	747	-	-100%
03-42-56515	Worker's Compensation Insurance	-	759	4,901	860	949	-81%
03-42-56516	State Unemployment Ins, E.T.T.	513	275	504	555	504	0%
03-42-56520	Deferred Compensation (Employer)	5,368	565	3,510	3,240	3,510	0%
	Total Payroll Expenses	166,572	207,419	231,640	207,276	242,475	5%
03-42-56513	Employee Relations	28,180	17,623	15,900	11,015	14,600	-8%
03-42-60100	Computers/Information Systems	10,827	11,294	-	-	-	0%
03-42-70000	Professional Services	57,813	14,539	54,700	5,070	54,700	0%
03-42-70300	Legal Services	-	-	20,000	5,155	50,000	150%
03-42-72000	Supplies & Services	2,299	224	2,800	2,843	2,500	-11%
03-42-72200	Books & Resources	-	-	100	-	100	0%
03-42-72400	Dues & Subscriptions	2,473	1,122	1,450	5,351	1,100	-24%
03-42-75300	Travel, Conferences and Training	2,253	4,186	2,500	909	400	-84%
03-42-75400	Workforce Development	14,250	59,246	62,000	47,488	3,300	-95%
03-42-75500	Recruitment	15,094	17,768	22,900	14,822	18,800	-18%
	Total Maintenance & Supply	133,189	126,000	182,350	92,653	145,500	-20%
	TOTAL HR EXPENSES	\$299,761	\$333,419	\$413,990	\$299,929	\$387,975	-6%

SAFETY EXPENSES

GL Account	Description	FY 2018 Actual	FY 2019 Actual	FY 2020 Budget	FY 2020 Projected	FY 2021 Budget	FY20 % Change
03-43-56101	Regular Salaries	\$81,943	\$108,226	\$109,442	\$114,766	\$117,911	8%
03-43-56103	Overtime Paid, Comp Time Earn.	1,661	300	1,000	2,425	2,000	100%
03-43-56501	Employer's Share FICA SSI	4,813	6,459	6,785	6,588	7,310	8%
03-43-56502	Employer's Share FICA Medicare	1,203	1,565	1,587	1,541	1,710	8%
03-43-56503	Medical Insurance	10,044	8,674	13,761	12,293	14,196	3%
03-43-56504	Dental Insurance	1,447	1,221	1,856	1,473	1,706	-8%
03-43-56505	Vision Insurance	185	153	226	200	226	0%
03-43-56506	Life, S/T, L/T Disability Insurance	652	1,016	1,252	1,276	1,351	8%
03-43-56507	Retirement - CalPERS	6,514	7,482	7,645	6,824	9,117	19%
03-43-56512	Training/Tuition Reimbursement	150	955	1,000	-727	1,000	0%
03-43-56515	Worker's Compensation Insurance	-	221	2,648	5,318	4,234	60%
03-43-56516	State Unemployment Ins, E.T.T.	373	275	252	328	252	0%
03-43-56520	Deferred Compensation (Employer)	2,780	565	-	1,122	2,210	0%
	Total Payroll Expenses	111,765	137,112	147,453	153,428	163,223	11%
03-43-63100	Equipment Maintenance	1,982	2,905	6,600	4,237	6,600	0%
03-43-63102	Equipment Maintenance Contract	11,594	13,855	19,300	7,217	6,225	-68%
03-43-63401	Building Maintenance	-	-	-	892	-	0%
03-43-65000	Property Liability Insurance	216,905	237,437	282,474	342,511	400,000	42%
03-43-65100	District-Paid Claims	92,959	51,873	275,000	182,684	290,000	5%
03-43-65200	Miscellaneous	-	-	-	1,217	-	0%
03-43-70300	Legal	-	-	-	426	-	0%
03-43-72150	Regulatory Permits	-	-	-	120	-	0%
03-43-72000	Supplies & Services	9,965	22,165	9,500	113,354	28,000	195%
03-43-72200	Books & Resources	-	272	950	264	950	0%
03-43-72400	Dues & Subscriptions	2,429	1,354	2,750	3,029	2,750	0%
03-43-72500	Safety Supplies	31,081	32,604	44,500	30,956	41,500	-7%
03-43-75300	Travel/Conferences/Training	3,836	2,969	4,500	1,387	1,800	-60%
	Total Maintenance & Supply	370,750	365,435	645,574	688,294	777,825	20%
	TOTAL SAFETY EXPENSES	\$482,515	\$502,548	\$793,027	\$841,722	\$941,048	19%

IT EXPENSES

GL Account	Description	FY 2018 Actual	FY 2019 Actual	FY 2020 Budget	FY 2020 Projected	FY 2021 Budget	FY20 % Change
03-44-56101	Regular Salaries	\$ -	\$ -	\$ -	\$ -	428,999	0%
03-44-56103	Overtime Paid, Comp Time Earned	-	-	-	-	28,000	0%
03-44-56501	Employer's Share FICA SSI	-	-	-	-	25,055	0%
03-44-56502	Employer's Share FICA Medicare	-	-	-	-	6,220	0%
03-44-56503	Medical Insurance	-	-	-	-	73,708	0%
03-44-56504	Dental Insurance	-	-	-	-	7,523	0%
03-44-56505	Vision Insurance	-	-	-	-	904	0%
03-44-56506	Life, S/T, L/T Disability Insurance	-	-	-	-	3,533	0%
03-44-56507	Retirement-CalPERS	-	-	-	-	43,767	0%
03-44-56512	Training/Tuition Reimbursement	-	-	-	-	2,000	0%
03-44-56515	Worker's Compensation Insurance	-	-	-	-	17,464	0%
03-44-56516	State Unemployment Ins, E.T.T.	-	-	-	-	1,008	0%
03-44-56520	Deferred Compensation (Employer)	-	-	-	-	11,050	0%
	Total Payroll Expenses	-	-	-	-	649,233	0%
03-44-60000	Electronics	-	-	-	-	50,000	0%
03-44-60100	Computers	57,043	58,506	108,940	66,025	102,040	-6%
03-44-70000	Professional Services	-	-	-	-	60,000	0%
03-44-72000	Supplies & Services	-	-	-	-	106,000	0%
03-44-72400	Dues & Subscriptions	319,795	327,994	610,738	370,147	545,623	-11%
03-44-73000	Small Tools & Equipment	-	-	-	-	6,000	0%
03-44-75300	Conferences/Meetings	-	-	-	-	12,000	0%
	Total Maintenance & Supply	376,838	386,500	719,678	436,171	881,663	0%
	TOTAL IT EXPENSES	376,838	386,500	719,678	436,171	1,530,896	113%

FINANCE EXPENSES

GL Account	Description	FY 2018 Actual	FY 2019 Actual	FY 2020 Budget	FY 2020 Projected	FY 2021 Budget	FY20 % Change
03-51-56101	Regular Salaries	\$330,475	\$307,642	\$296,281	\$333,432	\$484,542	64%
03-51-56103	Overtime Paid, Comp Time Earn.	5,583	7,149	8,000	8,547	8,000	0%
03-51-56501	Employer's Share FICA SSI	19,785	18,636	16,368	19,827	27,122	66%
03-51-56502	Employer's Share FICA Medicare	5,106	4,771	4,296	4,939	7,026	64%
03-51-56503	Medical Insurance	51,090	43,097	38,610	44,435	71,150	84%
03-51-56504	Dental Insurance	4,375	5,100	4,328	4,084	5,578	29%
03-51-56505	Vision Insurance	901	763	678	735	1,130	67%
03-51-56506	Life, S/T, L/T Disability Insurance	3,912	2,502	3,154	2,606	5,232	66%
03-51-56507	Retirement - CalPERS	27,428	23,214	20,695	19,451	33,611	62%
03-51-56512	Training/Tuition Reimbursement	5,000	7,655	2,500	1,081	2,500	0%
03-51-56515	Worker's Compensation Insurance	-	572	11,340	4,306	5,438	-52%
03-51-56516	State Unemployment Ins, E.T.T.	1,107	947	756	1,329	1,260	67%
03-51-56520	Deferred Compensation (Employer)	18,172	17,792	11,310	12,336	17,420	54%
	Total Payroll Expenses	472,934	439,841	418,316	457,108	670,009	60%
03-51-69000	Postage	41,558	49,630	46,500	45,905	46,500	0%
03-51-70100	Annual Audit Services	37,978	27,988	25,000	22,438	35,000	40%
03-51-70400	Bank Service Charges	45,838	44,422	50,000	42,028	50,000	0%
03-51-72400	Dues & Subscriptions	-	-	-	300	-	0%
03-51-72700	Printing & Reproductions	425	183	2,000	776	2,000	0%
03-51-75300	Travel/Conferences/Training	2,293	6,027	9,000	8,718	3,600	-60%
	Total Maintenance & Supply	128,092	128,250	132,500	120,164	137,100	3%
	TOTAL FINANCE EXPENSES	\$601,026	\$568,091	\$550,816	\$577,272	\$807,109	47%

CUSTOMER SERVICE EXPENSES

GL Account	Description	FY 2018 Actual	FY 2019 Actual	FY 2020 Budget	FY 2020 Projected	FY 2021 Budget	FY20 % Change
03-52-56101	Regular Salaries	\$197,354	\$258,337	\$314,617	\$218,000	\$274,726	-13%
03-52-56103	Overtime Paid, Comp Time Earn.	23,943	20,547	25,000	18,743	25,000	0%
03-52-56501	Employer's Share FICA SSI	13,228	17,254	19,506	15,359	17,033	-13%
03-52-56502	Employer's Share FICA Medicare	3,287	4,138	4,562	3,592	3,984	-13%
03-52-56503	Medical Insurance	46,292	48,520	66,602	47,985	53,715	-19%
03-52-56504	Dental Insurance	4,166	4,093	8,655	4,267	6,461	-25%
03-52-56505	Vision Insurance	755	981	904	857	904	0%
03-52-56506	Life, S/T, L/T Disability Insurance	1,526	2,219	3,515	2,648	3,102	-12%
03-52-56507	Retirement - CalPERS	15,551	16,734	24,240	17,163	26,175	8%
03-52-56512	Training/Tuition Reimbursement	-	-	2,500	500	2,500	0%
03-52-56515	Worker's Compensation Insurance	-	1,170	7,165	2,555	980	-86%
03-52-56516	State Unemployment Ins, E.T.T.	896	1,923	1,512	1,785	1,008	-33%
03-52-56520	Deferred Compensation (Employer)	11,262	14,878	19,110	10,740	6,500	-66%
	Total Payroll Expenses	318,260	390,793	497,888	344,195	422,089	-15%
03-52-66000	Bad Debt Expense/Billing Adjustments	-	853,219	5,000	-	5,000	0%
03-52-72000	Supplies & Services	230,475	274,689	194,000	215,432	218,000	12%
03-52-72700	Printing & Reproductions	937	127	1,500	-	1,500	0%
03-52-75300	Travel/Conferences/Training	150	1,155	1,000	228	400	-60%
	Total Maintenance & Supply	231,562	1,129,191	201,500	215,660	224,900	12%
	TOTAL CUSTOMER SERVICE EXPENSES	\$549,822	\$1,519,984	\$699,388	\$559,855	\$646,989	-7%

ENGINEERING EXPENSES

<u>GL Account</u>	<u>Description</u>	<u>FY 2018 Actual</u>	<u>FY 2019 Actual</u>	<u>FY 2020 Budget</u>	<u>FY 2020 Projected</u>	<u>FY 2021 Budget</u>	<u>FY20 % Change</u>
03-91-56101	Regular Salaries	\$481,353	\$631,338	\$508,334	\$489,023	\$485,340	-5%
03-91-56103	Overtime Paid, Comp Time Earn.	8,268	8,259	8,000	5,778	8,000	0%
03-91-56501	Employer's Share FICA SSI	28,376	38,580	29,953	26,999	27,079	-10%
03-91-56502	Employer's Share FICA Medicare	7,099	9,330	7,371	6,723	7,037	-5%
03-91-56503	Medical Insurance	79,032	89,381	64,715	78,655	58,548	-10%
03-91-56504	Dental Insurance	7,694	10,680	6,755	7,888	6,514	-4%
03-91-56505	Vision Insurance	1,106	1,397	974	1,180	836	-14%
03-91-56506	Life, S/T, L/T Disability Insurance	5,966	6,074	4,663	9,069	4,428	-5%
03-91-56507	Retirement - CalPERS	34,162	59,722	48,913	59,883	54,033	10%
03-91-56512	Training/Tuition Reimbursement	1,250	834	2,000	623	2,000	0%
03-91-56515	Worker's Compensation Insurance	7,329	4,886	8,052	9,178	4,900	-39%
03-91-56516	State Unemployment Ins, E.T.T.	141	2,005	1,159	1,871	932	-20%
03-91-56520	Deferred Compensation (Employer)	16,024	21,863	13,927	17,400	8,450	-39%
	Total Payroll Expenses	677,801	884,350	704,816	714,271	668,098	-5%
03-91-60000	Equipment	2,781	-	5,000	2,297	3,000	-40%
03-91-63102	Equipment Maintenance Contract	108,407	50,015	-	7,935	-	0%
03-91-70000	Professional Services	238,119	344,150	257,500	214,745	257,500	0%
03-91-70300	Legal Expenses	-	-	20,000	11,302	50,000	150%
03-91-72000	Supplies & Services	32,203	32,718	63,200	18,791	23,650	-63%
03-91-72001	Right of Way Expenses	-	-	-	53,367	-	
03-91-72200	Books & Resources	-	-	500	-	500	0%
03-91-72400	Dues & Subscriptions	180	2,823	1,800	462	1,840	2%
03-91-72700	Printing & Reproductions	252	117	5,000	-	3,000	-40%
03-91-72702	Public Notices & Advertising	-	-	500	1,451	1,200	140%
03-91-75300	Travel/Conferences/Training	575	5,170	-	-	3,360	0%
	Total Maintenance & Supply	382,517	434,993	353,500	310,349	344,050	-3%
	TOTAL ENGINEERING EXPENSES	\$1,060,318	\$1,319,343	\$1,058,316	\$1,024,620	\$1,012,148	-4%

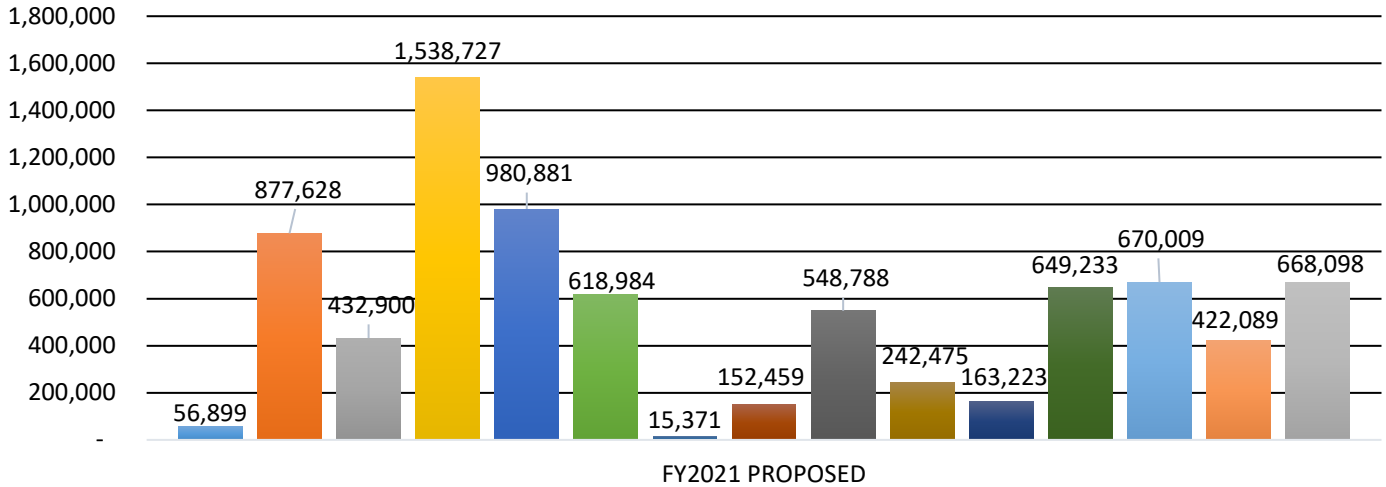
OPERATING FUNDS SUMMARY

NET OPERATING INCOME

Description	FY 2018 Actual	FY 2019 Actual	FY 2020 Budget	FY 2020 Projected	FY 2021 Budget	FY20 % Change
Water Fund						
Water Revenues	\$39,293,759	\$33,535,941	\$41,541,313	\$34,970,822	\$36,896,916	-11%
Water Expenses	38,525,934	35,324,606	40,576,570	35,098,370	36,796,368	-9%
Water Fund Net Income	767,825	(1,788,665)	964,743	(127,548)	100,547	
Wastewater Fund						
Wastewater Revenues	2,565,694	2,907,074	3,279,882	3,279,882	3,284,055	0%
Wastewater Expenses	2,586,696	3,089,302	3,153,148	3,034,969	3,518,225	12%
Wastewater Fund Net Income	(21,002)	(182,228)	126,734	244,913	(234,170)	
General Fund						
General Revenues	5,583,089	7,901,071	7,601,023	6,826,828	8,159,423	7%
General Expenses	6,442,600	7,627,027	7,472,523	6,826,828	8,159,423	9%
General Fund Net Income	(859,511)	274,045	128,500	-	-	
CHANGE IN NET POSITION	(\$112,687)	(\$1,696,848)	\$1,219,977	\$117,365	(\$133,623)	

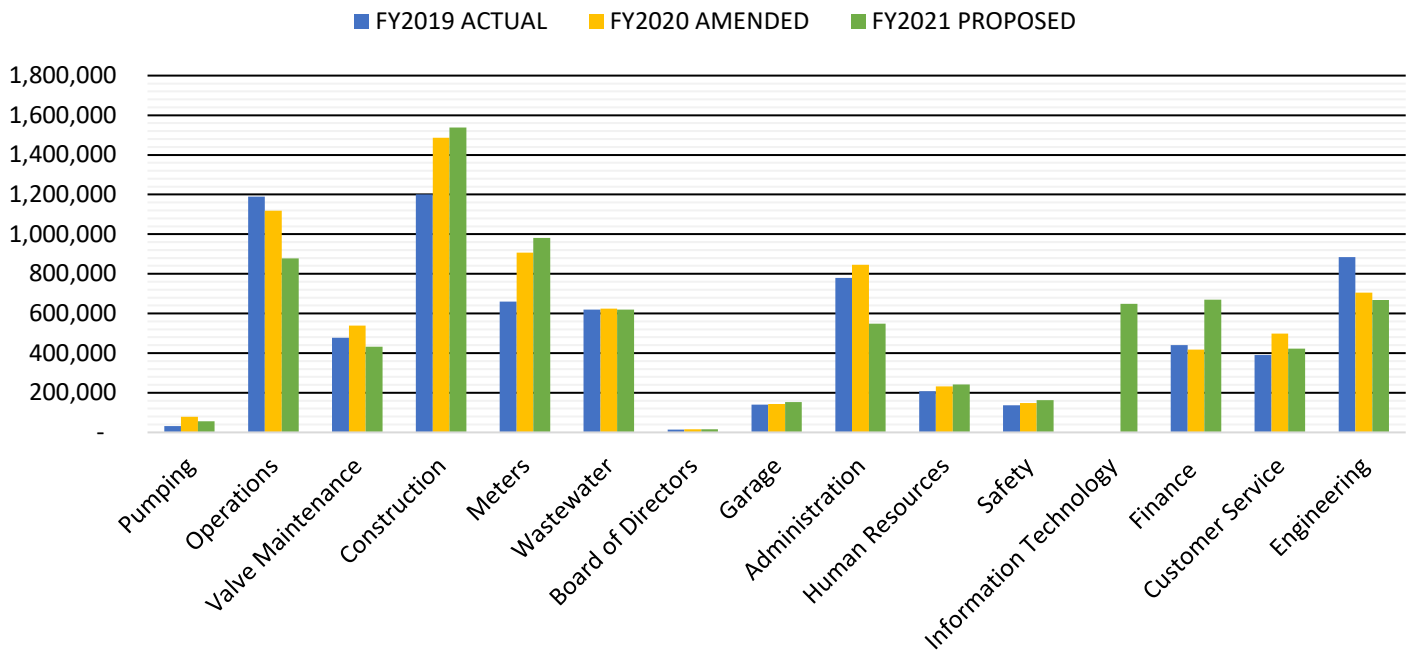
LABOR TREND

Labor Cost by Cost Center

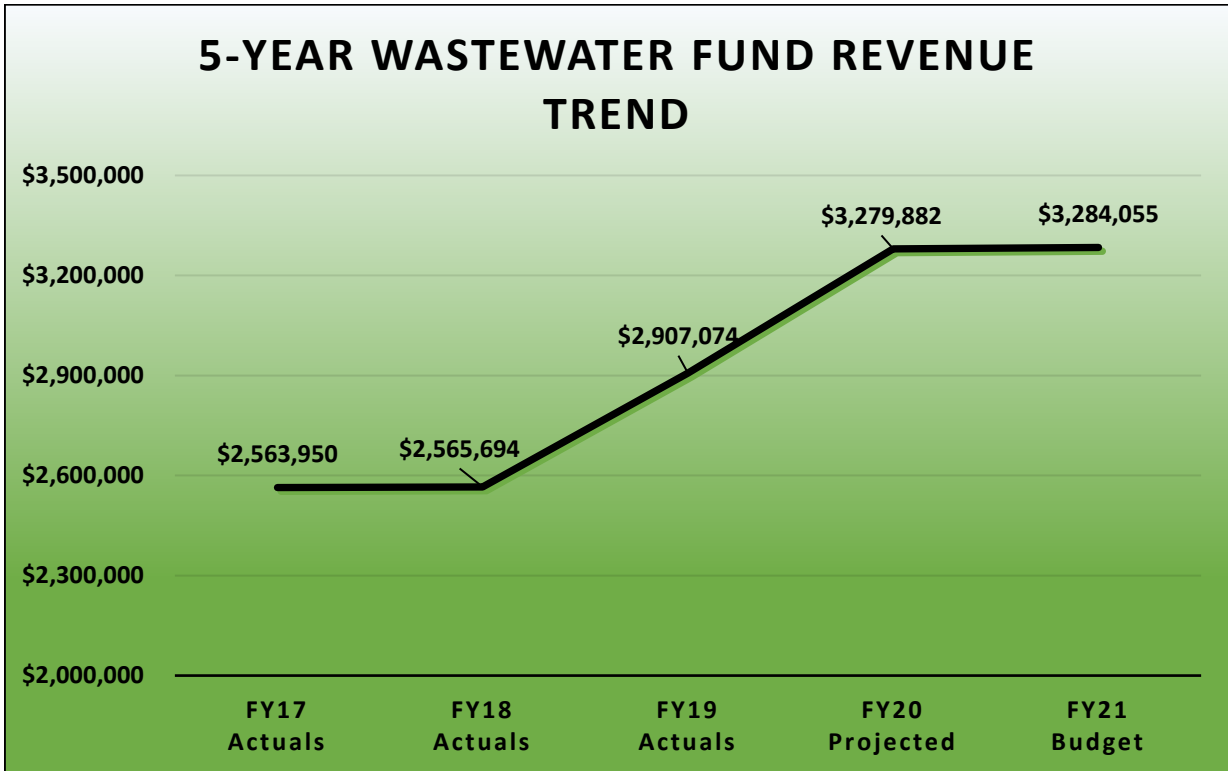
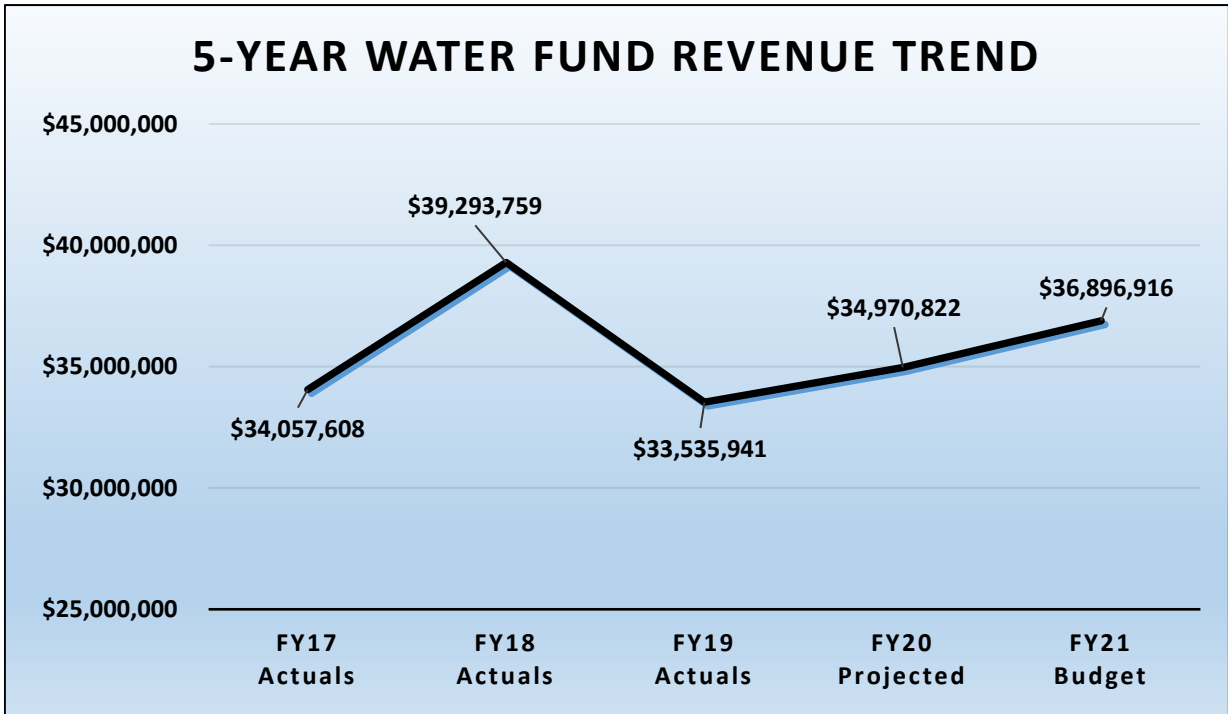


- Pumping
- Operations
- Valve Maintenance
- Construction
- Meters
- Wastewater
- Board of Directors
- Garage
- Administration
- Human Resources
- Safety
- Information Technology
- Finance
- Customer Service
- Engineering

Labor Costs Last 3 Years



REVENUE TREND



OPERATING FUND BALANCE

Operating & Debt Service Fund Balance

Current Year

	Water Operating	Wastewater Operating	General Operating	Rate Stabilization	Debt Service	TOTAL
Fund Balances:	FY 20/21	FY 20/21	FY 20/21	FY 20/21	FY 20/21	FY 20/21
Beginning Unrestricted Fund Balance	\$1,168,341	\$1,284,808	\$1,316,773	\$4,112,931	\$591,279	\$8,474,132
Transfer to Capital						0
Transfer to/from Rate Stabilization						0
Budgeted Operating Surplus (Loss)	100,547	(234,170)	8,159,423		(2,374,827)	5,650,973
Transfers In/(Out)			(8,159,423)		2,374,827	(5,784,596)
Projected Ending Fund Balance	\$1,268,888	\$1,050,638	\$1,316,773	\$4,112,931	\$591,279	\$8,340,509

CAPITAL BUDGET

WATER CAPITAL FUND BUDGETED REVENUES & EXPENSES

WATER CAPITAL

GL Account	Description	FY 2018 Actual	FY 2019 Actual	FY 2020 Budget	FY 2021 Budget	FY20 % Change
60-99-49109	Miscellaneous Revenue	\$ -	\$268,501	\$ -	\$ -	0%
60-99-49200	Interest Revenues	-	135,540	-	-	
60-99-49201	Interest Revenues - LAIF	42,526	38,321	-	-	0%
60-99-49203	Interest Rev. Long Term Invest.	66,376	229,745	-	-	0%
60-99-49920	Capacity Fees	2,323,725	1,959,043	2,100,000	8,709,853	315%
	Total Water Capital Revenues	2,432,627	2,227,109	2,100,000	8,709,853	315%
60-99-56101	Regular Salaries	132,378	174,765	248,963	495,731	99%
60-99-56103	Overtime	951	-	-	15,000	0%
60-99-56501	Employer's Share FICA SSI	7,248	10,033	14,624	29,631	103%
60-99-56502	Employer's Share FICA Medicare	1,822	2,505	3,610	7,188	99%
60-99-56503	Medical Insurance	21,519	12,148	33,837	79,525	135%
60-99-56504	Dental Insurance	2,091	1,126	3,525	8,180	132%
60-99-56505	Vision Insurance	285	152	430	1,255	192%
60-99-56506	Life, S/T, L/T Disability Insurance	-	-	2,839	7,133	151%
60-99-56507	Retirement - CalPERS	10,088	5,838	21,899	56,348	157%
60-99-56515	Worker's Comp. Insurance	-	-	10,025	14,433	44%
60-99-56516	State Unemployment Ins, E.T.T.	69	98	479	1,399	192%
60-99-56520	Deferred Comp. (Employer)	4,577	2,891	3,276	9,926	203%
	Total Payroll Expenses	181,028	209,556	343,507	725,748	111%
60-99-70000	Professional Services	12,386	5	-	-	0%
60-99-70300	Legal Services	-	-	-	-	0%
60-99-72000	Supplies & Services	-	-	-	1,000	0%
60-99-72702	Public Notices & Advertising	-	-	-	500	0%
60-99-82000	Capital Expenses	-	-	9,545,000	12,213,619	28%
	Total Maint. & Capital Expenses	12,386	5	9,545,000	12,215,119	28%
	TOTAL WATER CAPITAL EXPENSES	193,414	209,561	9,888,507	12,940,867	31%
	WATER CAPITAL NET INCOME	\$2,239,213	\$2,017,548	(\$7,788,507)	(\$4,231,014)	-46%

WASTEWATER CAPITAL FUND BUDGETED REVENUES & EXPENSES

WASTEWATER CAPITAL

GL Account	Description	FY 2018 Actual	FY 2019 Actual	FY 2020 Budget	FY 2021 Budget	FY20 % Change
52-99-49201	Interest Revenue - LAIF	\$4,436	\$88,922	\$ -	\$ -	0%
52-99-49920	Capacity Fees - Replacement	13,590	147,362	-	1,639,746	
53-00-49201	Interest Revenue - LAIF	33,527	5,596	-	-	0%
53-00-49202	Interest Rev Long Term Investment	122,097	91,621	-	-	0%
53-00-49203	Change in Investment Valuation	182,364	416,570	-	-	0%
53-00-49920	Connection Fees - Improvement	1,336	834,685	746,833	9,409,755	100%
Total Wastewater Capital Revenues		357,350	1,584,758	746,833	11,049,501	-53%
Fund 52 Payroll Expenses		4,303	7,108	-	-	0%
Fund 53 Payroll Expenses		5,359	11,989	-	-	
Total Payroll Expenses		9,662	19,097	-	-	0%
53-99-70300	Legal Services	-	-	-	-	
53-99-82000	Capital Expenses	-	-	3,564,000	8,250,000	131%
Total Maint. & Capital Expenses		-	-	3,564,000	8,250,000	131%
TOTAL WASTEWATER CAP EXPENSES		9,662	19,097	3,564,000	8,250,000	131%
WASTEWATER CAP NET INCOME		\$347,689	\$1,565,661	(\$2,817,167)	\$2,799,501	199%

CAPITAL FUNDS SUMMARY

NET CAPITAL INCOME

Description	FY 2018 Actual	FY 2019 Actual	FY 2020 Budget	FY 2021 Budget	FY20 % Change
Water Capital Fund					
Water Revenues	\$2,432,627	\$2,227,109	\$2,100,000	\$8,709,853	315%
Water Expenses	193,414	209,561	9,888,507	12,940,867	31%
Water Capital Fund Net Income	2,239,213	2,017,548	(7,788,507)	(4,231,014)	46%
Wastewater Capital Fund					
Water Revenues	357,350	1,584,758	746,833	11,049,501	1380%
Water Expenses	9,662	19,097	3,564,000	8,250,000	131%
Wastewater Capital Fund Net Income	347,689	1,565,661	(2,817,167)	2,799,501	199%
Overall Net Capital Income	\$2,586,902	\$3,583,209	(\$10,605,674)	(\$1,431,513)	87%

CAPITAL FUND BALANCE

Water Capital Fund Balance

Fund 26 & 60

	Year 1	Year 2	Year 3	Year 4	Year 5
Fund Balances:	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24
Beginning Unrestricted Fund Balance	\$4,364,696	\$5,351,198	(\$3,062,421)	(\$5,515,468)	(\$3,631,222)
Financing			5,000,000		
Transfer from Operating Reserves	1,600,000		3,349,172	4,809,246	4,018,854
Capacity Fees Current Year	1,474,869				
Less: Capital Labor	(343,507)	(300,000)	(300,000)	(300,000)	(300,000)
Less: Capital Project Budgets	(1,744,860)	(8,113,619)	(10,502,219)	(2,625,000)	(7,512,000)
Projected Worst Case Ending Fund Balance	\$5,351,198	(\$3,062,421)	(\$5,515,468)	(\$3,631,222)	(\$7,424,367)
Forecasted Capacity Fees		\$8,709,853	\$2,317,350	\$1,196,115	\$2,267,418
Potential Ending Fund Balance	\$5,351,198	\$5,647,432	\$5,511,735	\$8,592,096	\$7,066,369

Water Service Upgrade Project Fund Balance

	Year 1	Year 2	Year 3	Year 4	Year 5
Fund Balances:	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24
Beginning Unrestricted Fund Balance	\$11,332,580	\$7,332,580	\$3,232,580	\$32,580	\$32,580
Less: Meter Replacement/Upgrade Project	(4,000,000)	(4,100,000)	(3,200,000)	-	-
Projected Fund Balance	\$7,332,580	\$3,232,580	\$32,580	\$32,580	\$32,580

Wastewater Capital Fund Balance

Fund 52 & 53

	Year 1	Year 2	Year 3	Year 4	Year 5
	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24
Fund Balances:					
Beginning Unrestricted Fund Balance	\$9,350,451	\$10,086,547	\$4,586,547	(\$4,713,453)	(\$5,138,453)
Sewer Connections					
Restricted CFD Funds*		2,750,000			
Financing					
Capacity Fees Current Year	\$1,356,096				
Less: Capital Project Budgets	(620,000)	(8,250,000)	(9,300,000)	(425,000)	(850,000)
Projected Worst Case Ending Fund Balance	10,086,547	4,586,547	(4,713,453)	(5,138,453)	(5,988,453)
Forecasted Sewer Connections		\$11,049,501	\$0	\$3,435,443	\$4,237,800
Potential Ending Fund Balance	\$10,086,547	\$15,636,048	\$6,336,048	\$9,346,491	\$12,734,291

*Restricted Cash amounts are available for drawdown throughout the specified Capital Project process.

CAPITAL ACQUISITION

CAPITAL AQUISITION IS DEFINED AS A SINGLE UNIT ITEM COST GREATER THAN \$10,000			
WORK CENTER #	DESCRIPTION	JUSTIFICATION	BUDGET
34	Lower Yard Storage Bins	The lower yard storage bins consist of paving and concrete blocks. The blocks are configured in such a way as to hold large amounts of rock, DG, cold mix and spoils. With Perrault no longer on our property we do not have access to a large amount of stored backfill material.	\$57,000
35	Vacuum for Unit 44	The vacuum for Unit 44 will be used to excavate meter boxes in a timely manner saving time and increasing the efficiency of a single meter reader.	\$22,000
36	#21 2020-2021 Ford F-450 XL 4X4 6.7 Diesel 169" Wheelbase REG CAB 84" CA	Replacing Unit # 21 2011 Ford F-450 with Knapheide welder body F, R, L, R cameras. Custom tool holders, water tank and water holder, vise and mount 2-way radio purchase/installation. All LED Strobe lighting F, R, sides vehicle is not 4x4 and has been resuced several times, engine is unreliable - several fuel systems need extensive repairs. The service body (a 1996 bed) that was transferred over to this vehicle is in poor shape and does not meet the current needs for maximum efficiency.	\$150,000
36	#72 2020-2021 Kenworth T-880 10 Yard Dump truck	Replacing Unit # 72 2005 International 7500 10 Yard Dump Truck. As Unit #72 purchase & install F, R & Side Cameras, 2-way radio vehicle is under powered and has frequent diesel particulate filter failures causing it to be unreliable	\$210,000
			\$439,000

CAPITAL PROJECTS

CAPITAL PROJECTS OVERVIEW

The recommended CIP identifies facilities or programs, which are recommended for a variety of reasons, primarily to provide the District’s customers with a system that meets the District’s capacity criteria, is in good condition and can be operated efficiently and reliably. Should demands and flows forecasted to develop during the planning horizon not materialize, there may be opportunities to defer or eliminate some projects. Contrarily, some projects are needed immediately. Phasing is provided along with the proposed projects, with Phase 1 being projects recommended to be completed by 2020 due to an existing need, Phase 2 projects are those needed within ten years (by 2025) and Phase 3 projects are those recommended to be addressed within the planning horizon (by 2035). Due to the rapid development planned for the District as well as potential “rebound” from mandatory and voluntary water use restrictions, another master plan should be conducted in five years, at which point demands, flows and phasing can be revisited.

The recommended projects are largely the result of the hydraulic analysis completed. Projects identified fell into various improvement categories including: hydraulic capacity, pressure regulation, operations, redundancy and reliability, and fire flow capacity. The water system CIP consists of 61 projects that are listed in tables below. Additional detail regarding the nature of the various recommendation categories follows below:

- **Hydraulic Capacity** – consists primarily of pipeline upsizing to correct deficiencies in capacity caused by excessive velocity and head loss under peak demand conditions. Pump stations and storage reservoirs were also reviewed for appropriate capacity
- **Pressure Regulation** – recommend potential reduced pressure service zones by constructing pressure reducing stations to protect pipelines, laterals and appurtenances
- **Operations, Redundancy and Reliability** – includes a diverse set of construction, implementation, maintenance and assessment projects to add and improve emergency supplies, increase the system and supply reliability for vulnerable or future service areas, improve operating efficiencies, upgrade and/or replace facilities that don’t meet current standards and assist with strategic planning and replacement of critical facilities
- **Fire Flows** – upsizing of small diameter pipelines to increase fire flows at critically deficient areas
- **Water Supply** – consists of projects for construction of facilities to deliver new water supplies under normal or emergency conditions.

The total estimated cost of the water CIP based on planning level costs estimates is \$50.8M over the next 5 years, although the budget only includes 60% of this.

The wastewater system CIP generated from the baseline wastewater system hydraulic analysis are listed in detail following water CIP listing below. The District made the decision to move forward with the assumption of a WRP as the baseline case for the wastewater system for Masterplan study. The District has commissioned additional study into the development of a water reclamation plant to assist in determining which of the available alternatives, if any, is the most beneficial option. Should that additional study find that a WRP and recycled water system are not viable and/or feasible, it is important the District be aware of and understand the implications to its wastewater system CIP. For that reason, an alternative wastewater system CIP for the wastewater system alternative condition could be needed, which is the “No Project Alternative.” Also included in the tables are the CIPs required should the WRP study show that a plant at the LS 2 site is the most beneficial, as well as the CIP required to serve the Out of District developments, Meadowood and Warner Ranch.

The total estimated cost of the wastewater CIP \$19.4M.

The projects and programs recommended by the Master Plan study for the next 20 years for the water and wastewater systems are shown in the preceding tables. Phasing of proposed projects and programs is also presented in the tables and the total estimated cost by Phase for each system is presented in summary after the water and wastewater detailed project listing. Project cost estimates shall be retained, updated by observed inflation on an annual basis and replaced with more detailed and accurate cost estimates as they become available.

In Fiscal Year 2018 the District completed an update of the District-wide water and wastewater capacity fees to help fund expansion projects. The District’s water and wastewater rates paid by existing customers will be used to fund replacement, rehabilitation and betterment projects.

FIVE-YEAR WATER CIP PLAN

Capital Project Budgets (Water):

GL Project #	Project Description	Year 1	Year 2	Year 3	Year 4	Year 5
		Budget FY 19/20	Budget FY 20/21	Budget FY 21/22	Budget FY 22/23	Budget FY 23/24
N/A	Department Level Capital Expenses	\$457,400	\$559,000			
600038	Blue Breton Water System Looping Project	37,000	370,000	400,000		
100038	Water Supplier Assessment	35,000				
600031	Olive Hill Estates Transmission Line Reconnection	73,700	1,500,000			
600035	Tank and Reservoir Mixing Upgrades	30,000	250,000	1,500,000		
600002	Gird to Monserate Hill Water Line					1,400,000
600003	San Luis Rey Imported Return Flow Recovery					600,000
600009	Isolation Valve Installation Program	150,000	150,000			
600017	Pressure Reducing Station Replacement Program		300,000			
600040	Vallecitos PS Replacement		530,000	500,000		
600046	Sampling ports for testing		25,000			
600047	Generator at Sumac				250,000	
600048	Northside Zone Supply Redundancy					500,000
600001	Rainbow Heights PS (#1) Upgrades	30,000	1,303,698	1,303,699		
600007	Pressure Reducing Stations	500,000	750,000	800,000	250,000	800,000
600013	Hutton Pump Station	20,000	580,000	800,000		
600013	Turner Pump Station	20,000	580,000	800,000		
600019	Water System Monitoring Program	275,000			1,000,000	
600037	Live Oak Park Road Bridge Replacement			600,000		
600008	Weese WTP Permanent Emergency Interconnect & PS	30,000	500,000	1,250,000		
600049	Gomez PS Building		250,000	750,000		
600050	Lookout Mountain - Complete electrical upgrade w/emerg. generator				250,000	750,000

Capital Project Budgets (Water):

GL Project #	Project Description	Year 1 Budget FY 19/20	Year 2 Budget FY 20/21	Year 3 Budget FY 21/22	Year 4 Budget FY 22/23	Year 5 Budget FY 23/24
	Mission Road / FPUD Interconnect					70,000
600036	Pipeline Upgrade Project 2 (PUP 2)	400,000				3,000,000
600026	Camino Del Rey Waterline Relocation	150,000		2,100,000		
600030	Corrosion Prevention Program Development & Implementation	100,000	250,000	250,000	250,000	250,000
600014	Morro Tank Zone Permanent FPUD Interconnection				150,000	
600051	North Feeder and Rainbow Hills Water Line Replacements			150,000	1,850,000	
600052	76 & Gird Permanent Emergency Pump Station				75,000	725,000
600034	Rice Canyon Tank Transmission PL to I-15/SR76 Corridor		1,000,000	3,000,000		
600029	Via Ararat Drive Waterline Project	350,000				
600021	Pipeline Upgrade Project 1 (PUP 1)	150,000	3,250,000	1,000,000		
300008	New District Headquarters	50,000	200,000	300,000	300,000	2,000,000
	Northside Permanent FPUD Emergency Interconnection					150,000
300007	Programmatic EIR for Existing Easements	50,000	450,000			
	Pala Mesa Fairways 383 A and C		250,000			
	Sarah Ann Drive Line 400 A		375,000			
	Wilt Road (1331)			500,000		
	Katie Lendre Drive Line			250,000		
	Gird Road 1,600' upsize from 12" to 18" or larger		100,000	1,000,000		
	Katie Lendre Drive Line			250,000		
	Del Rio Estates Line Ext 503					250,000
	East Heights Line 147L					500,000
	Los Alisos South 243					500,000
	East Heights Line 147A					250,000
	Via Zara					125,000
	Roy Line Ext					250,000
	Spanish Oaks					400,000
Total		\$2,908,100	\$13,522,698	\$17,503,699	\$4,375,000	\$12,520,000
		@60%	\$8,113,619	\$10,502,219	\$2,625,000	\$7,512,000


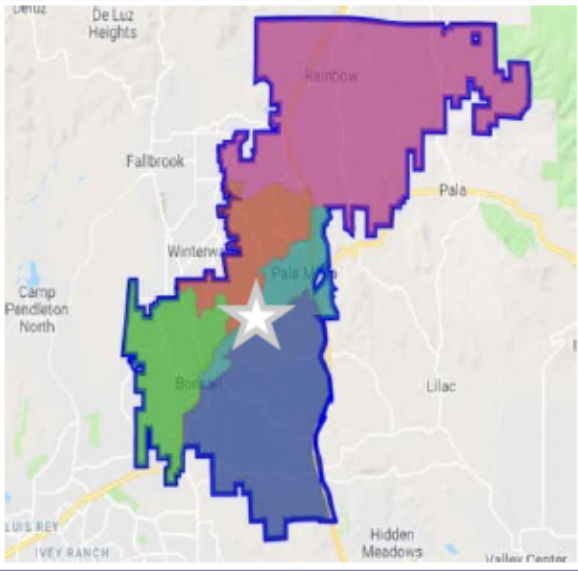

FIVE-YEAR WASTEWATER CIP PLAN

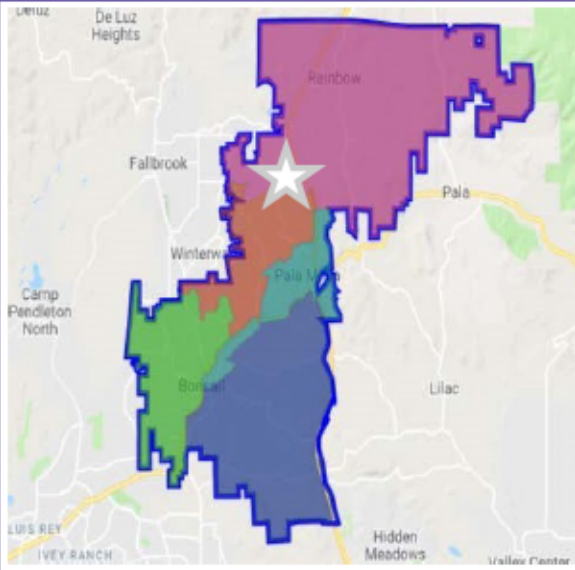
Capital Project Budgets (Wastewater):		Proposed Budgets				
		Year 1 Budget FY 19/20	Year 2 Budget FY 20/21	Year 3 Budget FY 21/22	Year 4 Budget FY 22/23	Year 5 Budget FY 23/24
GL Project #	Project Description					
530001	School House Lift Station (#1) Replacement, San Luis Rey Interceptor from Mission to Thoroughbred LSEQ, and San Luis Rey Interceptor/Main From School House LS to Old River LS & Thoroughbred LS/EQ		\$3,000,000	\$6,000,000		
N/A	Department Level Capital Expenses	195,000	310,000			
530017	N River Road Land Outfall Rehabilitation (Operations Project)		2,500,000			
N/A	City of Oceanside WW Plant	200,000	200,000	200,000	200,000	200,000
530018	Fallbrook Oaks Forcemain and Manhole Replacement	25,000	300,000			
530019	CIPP 500' of line 8" VCP line near Pala Mesa/Palomar					
530006	Sewer System Rehabilitation Program	100,000	100,000	100,000	100,000	100,000
530020	Rancho Viejo LS Wet Well Expansion					150,000
530021	Almendra Court, I-15 Crossing Sewer Rehabilitation		40,000			
530022	Fallbrook Oaks LS Rehabilitation					400,000
530023	Replace Rancho Monserate LS Emergency Generator				125,000	
530015	Sewer System Condition Assessment Program	100,000	300,000			
530024	Old River Road LS Equalization Basin		1,000,000	2,500,000		
530025	Old River Road LS to Stallion Outfall Repair		500,000	500,000		
Total		\$620,000	\$8,250,000	\$9,300,000	\$425,000	\$850,000

FIVE-YEAR METER REPLACEMENT & SERVICE UPGRADE PLAN

Capital Project Budgets:		Year 1	Year 2	Year 3	Year 4	Year 5
		Projected	Budget	Budget	Budget	Budget
GL Project #	Project Description	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24
600027	Service Meter Replacement	3,200,000	1,300,000	1,400,000	-	-
600028	Water Service Upgrade	800,000	2,800,000	1,800,000	-	-
Total		\$4,000,000	\$4,100,000	\$3,200,000	\$ -	\$ -

CAPITAL IMPROVEMENT PROJECTS

 <p>RAINBOW MUNICIPAL WATER DISTRICT Committed to Excellence</p>	<p>Capital Improvement Project Information 676 & GIRD PERMANENT EMERGENCY PS</p>
	<p>VICINITY MAP</p> 
<p>LOCATION</p>	<p>LIMITS OF PROJECT</p>
<p>PROJECT TITLE: 76 & GIRD PERMANENT EMERGENCY PS</p>	<p>ESTIMATED SCHEDULE: DESIGN - Fall of 2023 CONSTRUCTION - Summer 2024</p>
<p>DEPARTMENT: Engineering MASTER PLAN: WR8 CONDITION ASSESSMENT: N/A</p>	<p>FUNDING SOURCE: Water Fund</p>
<p>PROJECT TYPE: Water</p>	<p>PROJECT MANAGER: Michael Powers</p> <p>CIP ACCOUNT NO.: 600052</p>
<p>PROJECT DESCRIPTION: Install a Pump Station at Gird and Hwy 76 for use during aqueduct shutdowns.</p> <p>PROJECT DIVISION LOCATION: Division 3 and 4</p> <p>PROJECT BUDGET: DESIGN=\$80,000 CONSTRUCTION=\$640,000 INSPECTION/CONSTRUCTION ENGINEERING= (IN-HOUSE) CONTINGENCY=\$80,000 TOTAL=\$800,000</p>	



LOCATION



VICINITY MAP

LIMITS OF PROJECT

PROJECT TITLE:
320 (VIA ZARA)

DEPARTMENT: Engineering
MASTER PLAN: N/A
CONDITION ASSESSMENT: #17

PROJECT TYPE:
Water

ESTIMATED SCHEDULE:
DESIGN - Fall 2023
CONSTRUCTION - Spring 2024

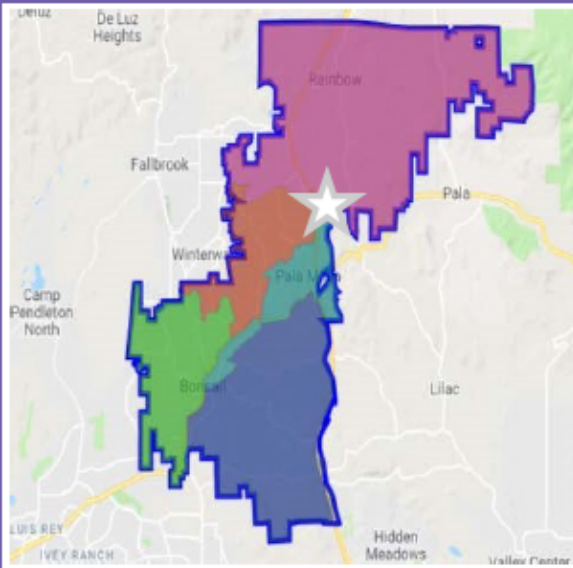
FUNDING SOURCE:
Water Fund

PROJECT MANAGER:
Michael Powers

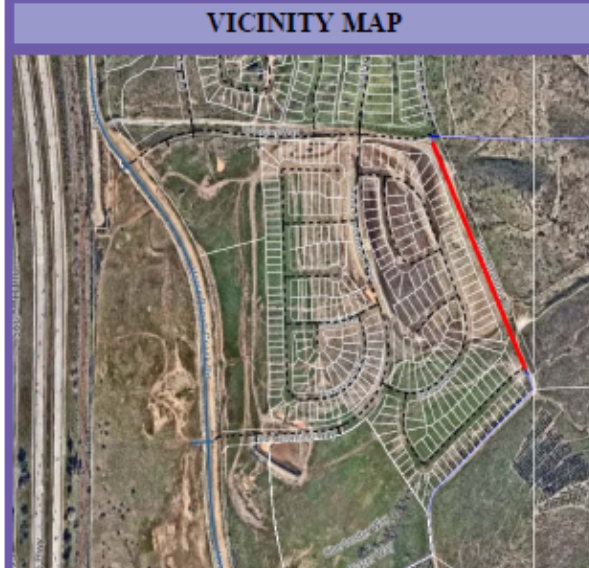
PROJECT DESCRIPTION:
Replacement or rehabilitation of 528' of 6" pipe on Via Zara.

PROJECT DIVISION LOCATION: Division 5

PROJECT BUDGET:
DESIGN=\$12,500
CONSTRUCTION=\$100,000
INSPECTION/CONSTRUCTION ENGINEERING= (IN-HOUSE)
CONTINGENCY=\$12,500
TOTAL=\$125,000



LOCATION



VICINITY MAP

LIMITS OF PROJECT

PROJECT TITLE:
BLUE BRETON WATER SYSTEM LOOPING PROJECT

ESTIMATED SCHEDULE:
DESIGN - Summer 2020
CONSTRUCTION - Spring 2021

DEPARTMENT: Engineering
MASTER PLAN:
CONDITION ASSESSMENT: N/A

FUNDING SOURCE:
Water Fund

PROJECT MANAGER:
Steve Strapac

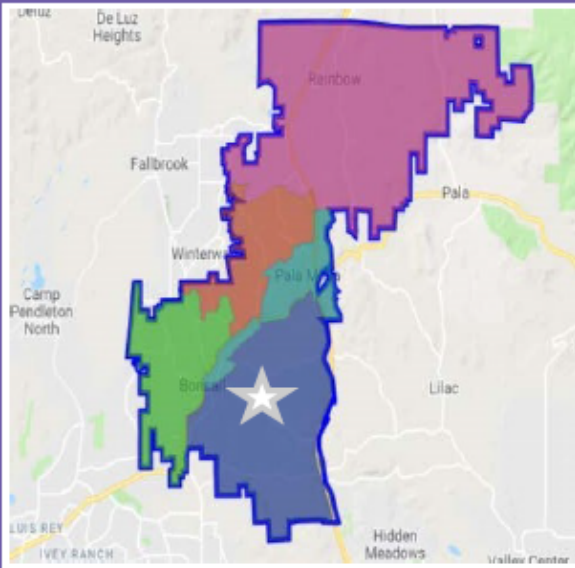
PROJECT TYPE:
Water

CIP ACCOUNT NO.:
600038

PROJECT DESCRIPTION:
Install +/- 1,400' of water transmission main on Blue Breton from Calabrese St. north to Friesian Way to provide system looping.

PROJECT DIVISION LOCATION: Division 4

PROJECT BUDGET:
DESIGN=\$37,000
CONSTRUCTION=\$720,000
INSPECTION/CONSTRUCTION ENGINEERING= (IN-HOUSE)
CONTINGENCY=\$50,000
TOTAL=\$807,000



LOCATION



LIMITS OF PROJECT

PROJECT TITLE:
CAMINO DEL REY WATERLINE
RELOCATION

DEPARTMENT: Engineering
MASTER PLAN: N/A
CONDITION ASSESSMENT: N/A

PROJECT TYPE:
Water

ESTIMATED SCHEDULE:
DESIGN - In Progress
CONSTRUCTION - Summer 2021

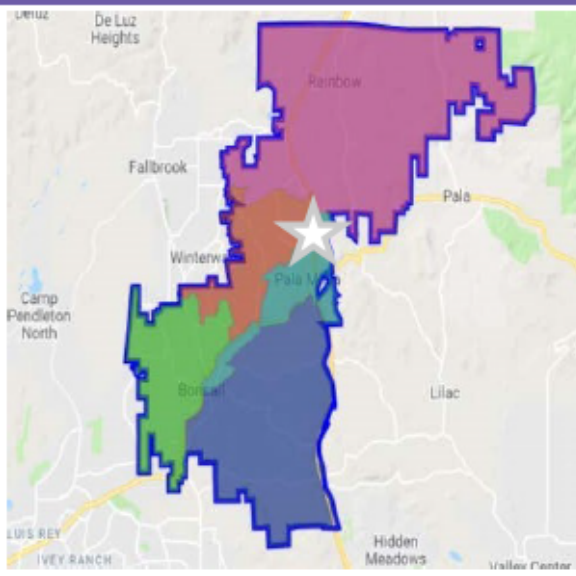
FUNDING SOURCE:
Water Fund

PROJECT MANAGER:
Michael Powers

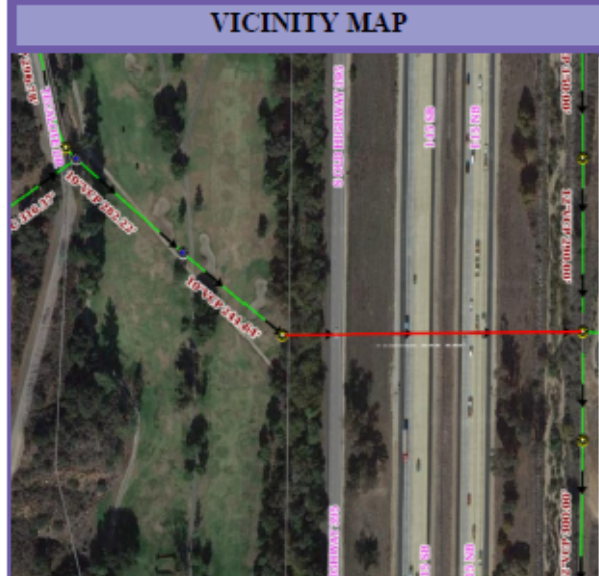
CIP ACCOUNT NO.:
600026

PROJECT DESCRIPTION:
Replacement of approximately 3,700' of existing 14" diameter CML&C pipe in Camino del Rey to coincide with county road project that will raise the grade of Camino Del Rey 4+ feet. Work is in the vicinity of Via Maria Elena.

PROJECT DIVISION LOCATION: Division 1
PROJECT BUDGET:
DESIGN=\$80,945
CONSTRUCTION=\$1,969,055
INSPECTION/CONSTRUCTION ENGINEERING= (IN-HOUSE)
CONTINGENCY=\$200,000
TOTAL=\$2,250,000



LOCATION



LIMITS OF PROJECT

PROJECT TITLE:
CIPP 500' LINE 8" VCP PALA MESA/
PALOMAR

DEPARTMENT: Engineering
MASTER PLAN: N/A
CONDITION ASSESSMENT: N/A

PROJECT TYPE:
Wastewater

ESTIMATED SCHEDULE:
DESIGN - 2020
CONSTRUCTION *****COMPLETE*****

FUNDING SOURCE:
Wastewater Fund

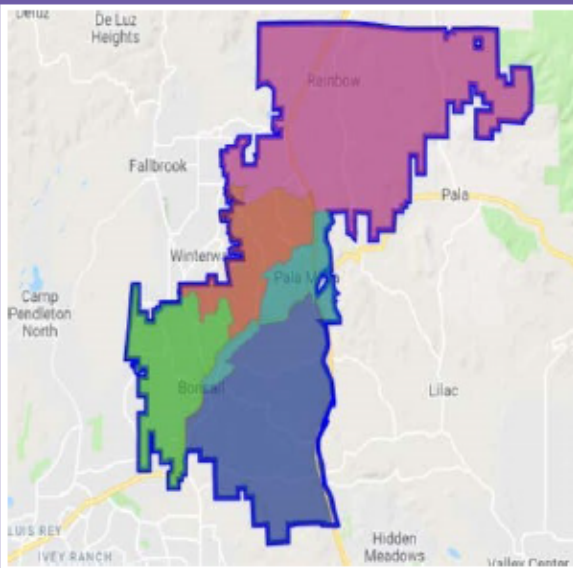
PROJECT MANAGER:
Steve Strapac

CIP ACCOUNT NO.:
530019

PROJECT DESCRIPTION:
Install a CIPP liner in the VCP sewer line crossing under I15 near Palomar College.

PROJECT DIVISION LOCATION: Divisions 3 and 4

PROJECT BUDGET:
DESIGN=N/A
CONSTRUCTION=\$250,000
INSPECTION/CONSTRUCTION ENGINEERING= (IN-HOUSE)
CONTINGENCY=N/A
TOTAL=\$250,000



LOCATION

VICINITY MAP

(DISTRICT WIDE)

LIMITS OF PROJECT

PROJECT TITLE:
CORROSION PREVENTION PROGRAM

DEPARTMENT: Engineering
MASTER PLAN: N/A
CONDITION ASSESSMENT: N/A

PROJECT TYPE:
Water

ESTIMATED SCHEDULE:
DESIGN - Completed
CONSTRUCTION - Summer 2020 (On-Going)

FUNDING SOURCE:
Water Fund

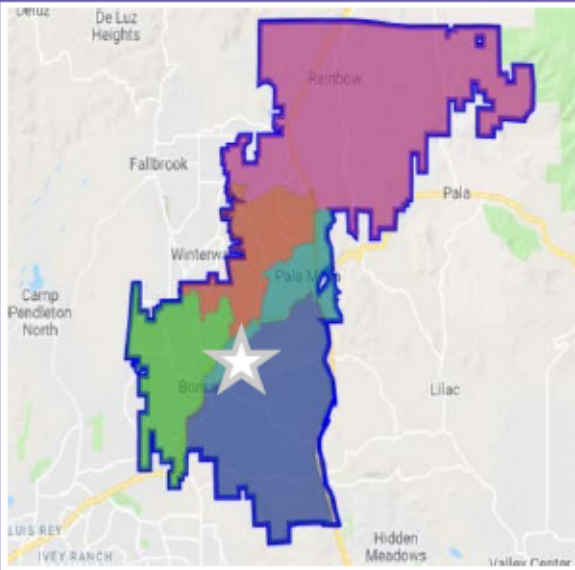
PROJECT MANAGER:
Michael Powers

CIP ACCOUNT NO.:
600030

PROJECT DESCRIPTION:
Development of District-wide program for preventing corrosion on the most vulnerable pipelines.

PROJECT DIVISION LOCATION: District-wide

PROJECT BUDGET:
DESIGN=\$192,586
CONSTRUCTION=\$250,000 Per Year
INSPECTION/CONSTRUCTION ENGINEERING= (IN-HOUSE)
CONTINGENCY=N/A
TOTAL=\$250,000 Per Year



LOCATION



VICINITY MAP

LIMITS OF PROJECT

PROJECT TITLE:
DEL RIO ESTATES LINE EXTENSION 503

ESTIMATED SCHEDULE:
DESIGN - Summer 2023
CONSTRUCTION - Winter 2024

DEPARTMENT: Engineering
MASTER PLAN: N/A
CONDITION ASSESSMENT: #11

FUNDING SOURCE:
Water Fund

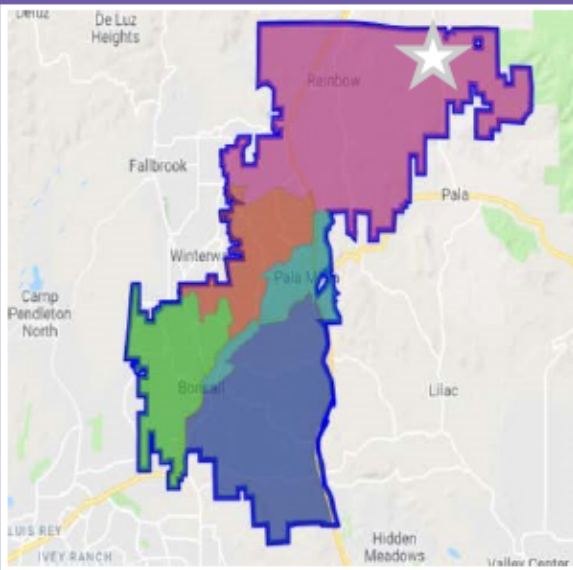
PROJECT MANAGER:
Steve Strapac

PROJECT TYPE:
Water

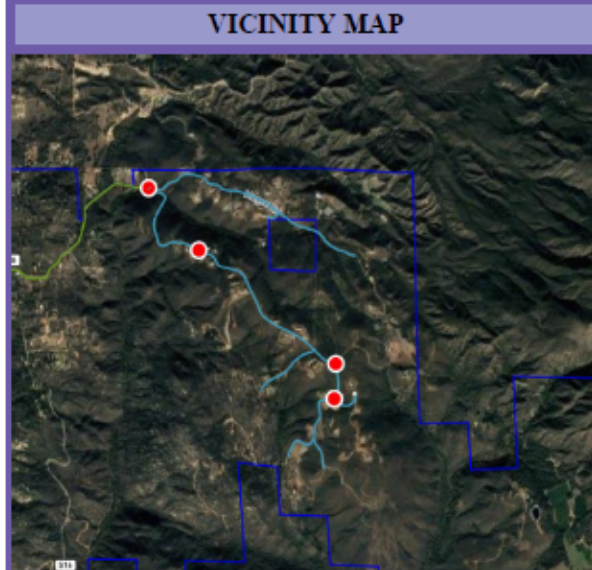
PROJECT DESCRIPTION:
Replacement or rehabilitation of 1056' of 6" pipe on Calle Del Vuelta.

PROJECT DIVISION LOCATION: Division 2

PROJECT BUDGET:
DESIGN=\$25,000
CONSTRUCTION=\$200,000
INSPECTION/CONSTRUCTION ENGINEERING= (IN-HOUSE)
CONTINGENCY=\$25,000
TOTAL=\$250,000



LOCATION



VICINITY MAP

LIMITS OF PROJECT

PROJECT TITLE:
EAST HEIGHTS LINE 147A

DEPARTMENT: Engineering
MASTER PLAN: N/A
CONDITION ASSESSMENT: #16

PROJECT TYPE:
Water

ESTIMATED SCHEDULE:
DESIGN - Fall 2023
CONSTRUCTION - Spring 2024

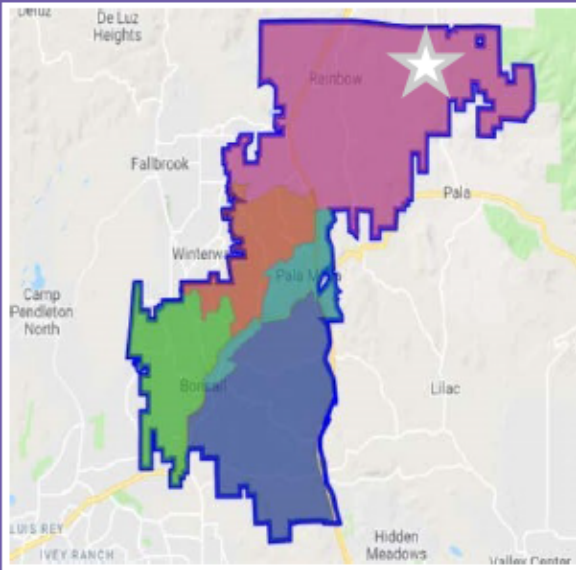
FUNDING SOURCE:
Water Fund

PROJECT MANAGER:
Michael Powers

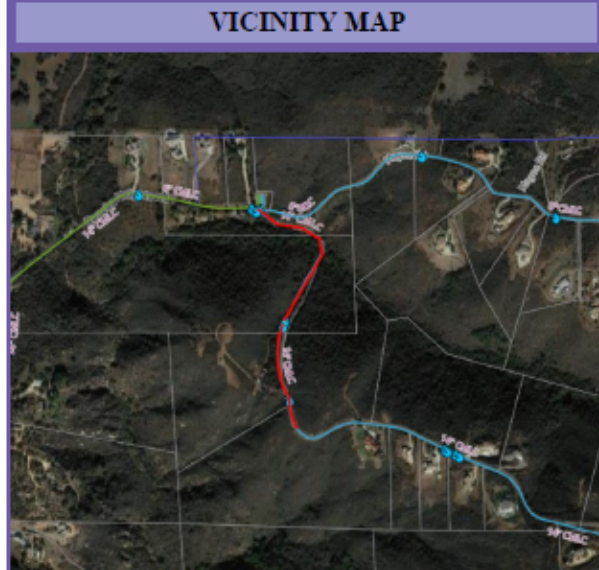
PROJECT DESCRIPTION:
Repair several small portions of 14" CMLC pipe with high break history on Rancho Heights Road.

PROJECT DIVISION LOCATION: Division 5

PROJECT BUDGET:
DESIGN=\$25,000
CONSTRUCTION=\$200,000
INSPECTION/CONSTRUCTION ENGINEERING= (IN-HOUSE)
CONTINGENCY=\$25,000
TOTAL=\$250,000



LOCATION



VICINITY MAP

LIMITS OF PROJECT

PROJECT TITLE:
EAST HEIGHTS LINE 147L

DEPARTMENT: Engineering
MASTER PLAN: N/A
CONDITION ASSESSMENT: #12

PROJECT TYPE:
Water

ESTIMATED SCHEDULE:
DESIGN - Summer 2023
CONSTRUCTION - Winter 2024

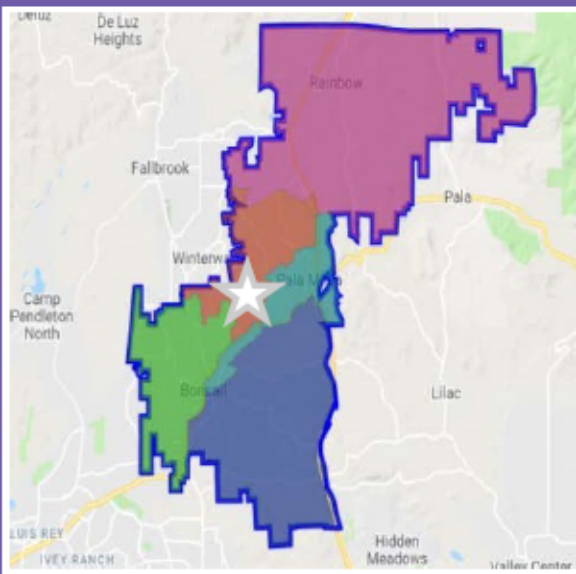
FUNDING SOURCE:
Water Fund

PROJECT MANAGER:
Michael Powers

PROJECT DESCRIPTION:
Replacement or rehabilitation of 1056' of 14" pipe on Rancho Heights Road

PROJECT DIVISION LOCATION: Division 5

PROJECT BUDGET:
DESIGN=\$50,000
CONSTRUCTION=\$400,000
INSPECTION/CONSTRUCTION ENGINEERING= (IN-HOUSE)
CONTINGENCY=\$50,000
TOTAL=\$500,000



LOCATION



VICINITY MAP

LIMITS OF PROJECT

PROJECT TITLE:
FALLBROOK OAKS LS REHAB & FORCE
MAIN REPL

DEPARTMENT: Engineering
MASTER PLAN: S5
CONDITION ASSESSMENT: N/A

PROJECT TYPE:
Wastewater

ESTIMATED SCHEDULE:
DESIGN - In Progress
CONSTRUCTION - Fall 2020

FUNDING SOURCE:
Wastewater Fund

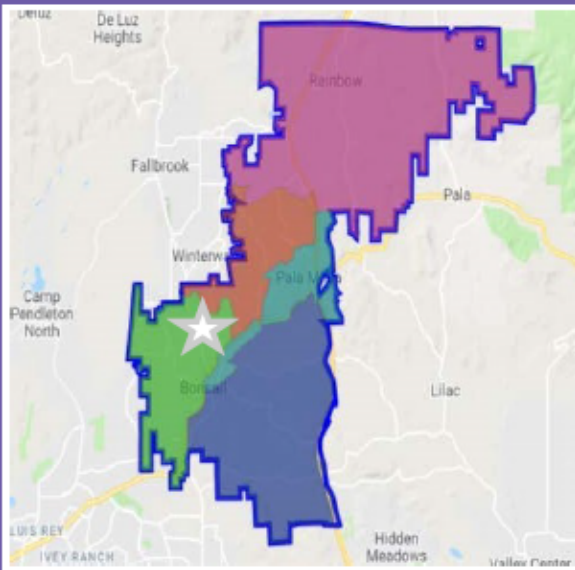
PROJECT MANAGER:
Steve Strapac

CIP ACCOUNT NO.:
530018

PROJECT DESCRIPTION:
Rehabilitation of the Fallbrook Oaks Lift Station and replacement of the force main.

Project Division Location: Division 3

PROJECT BUDGET:
DESIGN=\$25,000
CONSTRUCTION=\$258,000
INSPECTION/CONSTRUCTION ENGINEERING= (IN-HOUSE)
CONTINGENCY=\$39,000
TOTAL=\$322,000



LOCATION



LIMITS OF PROJECT

PROJECT TITLE:
GAINES LINE EXTENSION (VIA MONSERATE)

ESTIMATED SCHEDULE:
DESIGN - In Progress
CONSTRUCTION -2021

DEPARTMENT: Engineering
MASTER PLAN: N/A
CONDITION ASSESSMENT RANK: #3

FUNDING SOURCE:
Water Fund

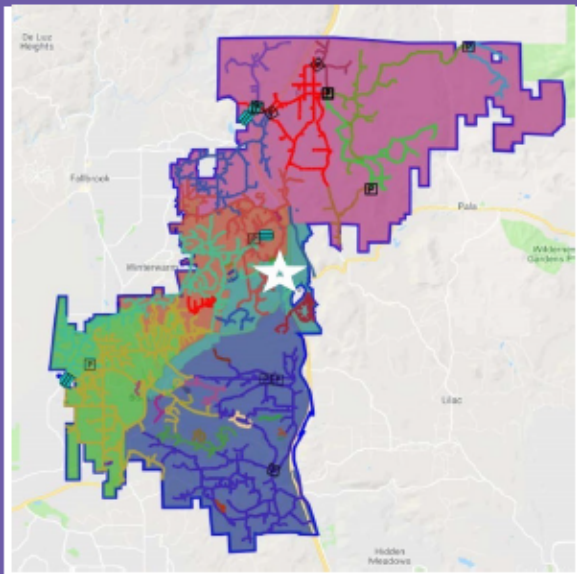
PROJECT MANAGER:
Michael Powers

PROJECT TYPE:
Water

PROJECT DESCRIPTION:
Replacement or rehabilitation of 321 feet of 6" CML&C on Via Monserate, just east of Mission Road.

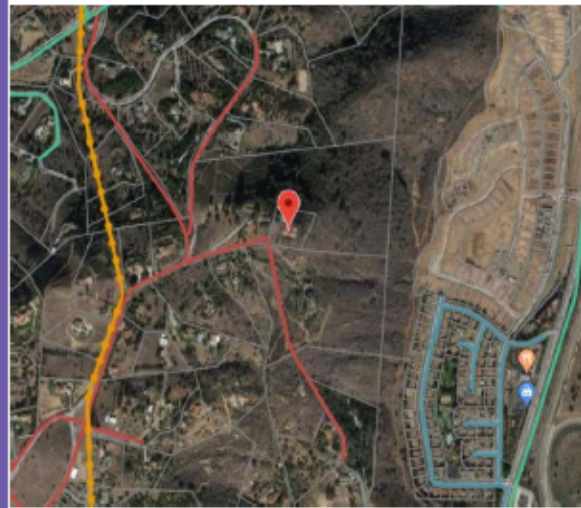
PROJECT DIVISION LOCATION: Division 2

PROJECT BUDGET:
DESIGN=\$8,000
CONSTRUCTION=\$51,000
INSPECTION/CONSTRUCTION ENGINEERING= (IN-HOUSE)
CONTINGENCY=\$5,000
TOTAL=\$64,000



LOCATION

VICINITY MAP



LIMITS OF PROJECT

PROJECT TITLE:
GENERATOR AT SUMAC

DEPARTMENT: Engineering
MASTER PLAN: N/A
CONDITION ASSESSMENT: N/A

PROJECT TYPE:
Water

ESTIMATED SCHEDULE:
DESIGN - Spring of 2022
CONSTRUCTION - Summer 2023

FUNDING SOURCE:
Water Fund

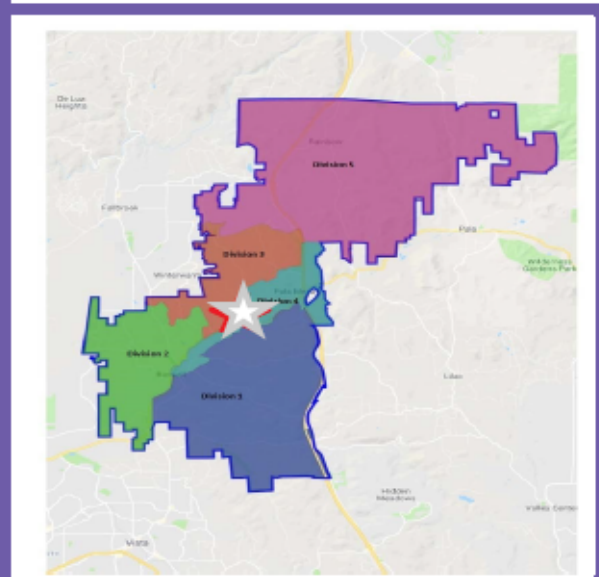
PROJECT MANAGER:
Malik Tamimi

CIP ACCOUNT NO.:
600047

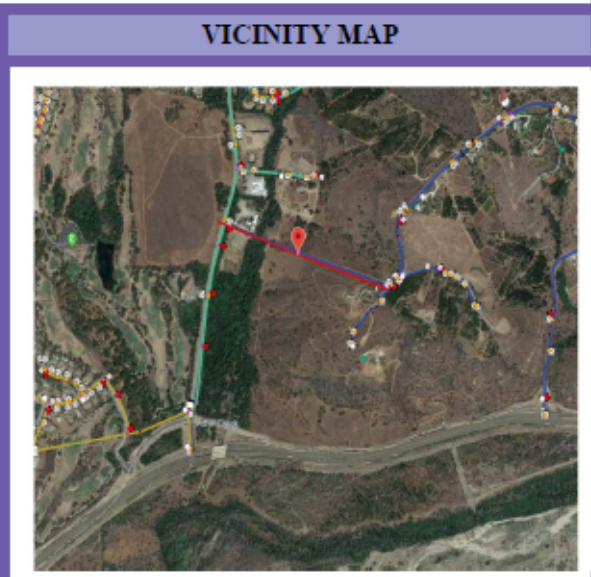
PROJECT DESCRIPTION:
Installation of a diesel generator at sumac reservoir site for communications electrical backup power

PROJECT DIVISION LOCATION: Division 4

PROJECT BUDGET:
DESIGN=\$50,000
CONSTRUCTION=\$200,000
INSPECTION/CONSTRUCTION ENGINEERING= (IN-HOUSE)
CONTINGENCY=N/A
TOTAL=\$250,000



LOCATION



VICINITY MAP

LIMITS OF PROJECT

PROJECT TITLE:
GIRD TO MONSERATE HILL WATER LINE

ESTIMATED SCHEDULE:
DESIGN - Fall of 2023
CONSTRUCTION - Summer 2024

DEPARTMENT: Engineering
MASTER PLAN: WE1
CONDITION ASSESSMENT: N/A

FUNDING SOURCE:
Water Fund

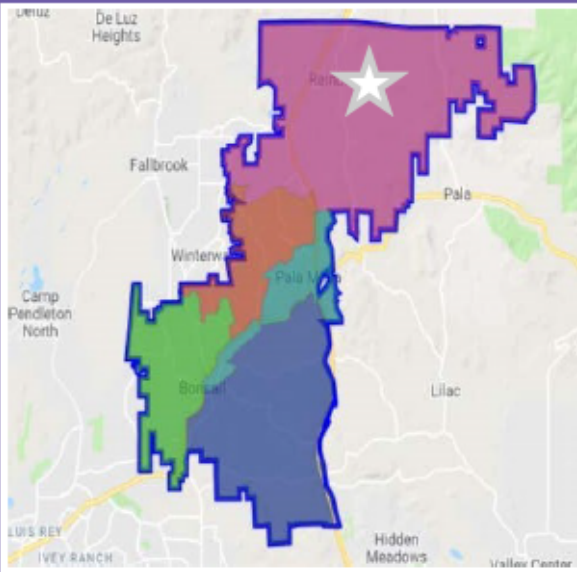
PROJECT MANAGER:
Malik Tamimi

PROJECT TYPE:
Water

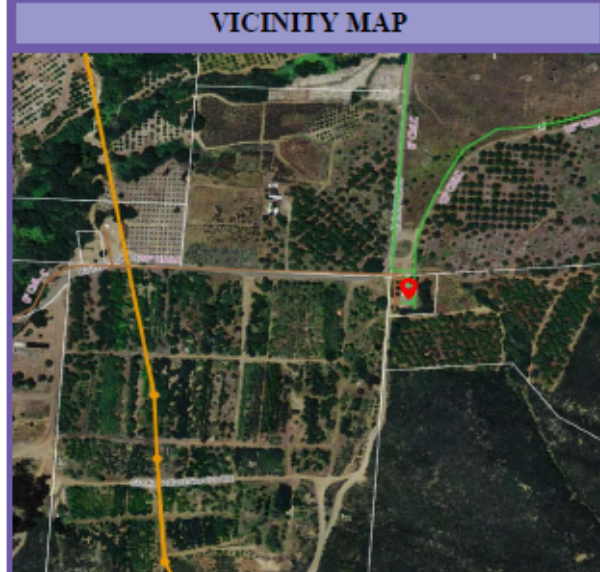
CIP ACCOUNT NO.:
600002

PROJECT DESCRIPTION:
Replacement of severed water line connecting the 18" CML&C line on Gird Road, 2,400' north of SR-76, to the 8" DIP line in Monserate Hill Road, 2,000 feet to the east.

PROJECT DIVISION LOCATION: Divisions 3 & 4
PROJECT BUDGET:
DESIGN=\$100,000
CONSTRUCTION=\$1,100,000
INSPECTION/CONSTRUCTION ENGINEERING= (IN-HOUSE)
CONTINGENCY=\$200,000
TOTAL=\$1,400,000



LOCATION



VICINITY MAP

LIMITS OF PROJECT

PROJECT TITLE:
GOMEZ PUMP STATION BUILDING

DEPARTMENT: Engineering
MASTER PLAN:
CONDITION ASSESSMENT: N/A

PROJECT TYPE:
Water

ESTIMATED SCHEDULE:
DESIGN - SUMMER 2021
CONSTRUCTION - SUMMER 2022

FUNDING SOURCE:

Water Fund

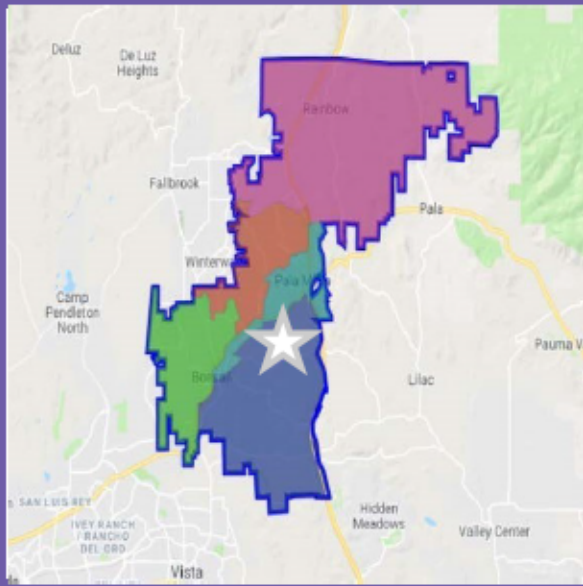
PROJECT MANAGER:
Malik Tamimi

CIP ACCOUNT NO.:
600049

PROJECT DESCRIPTION:
Construct a building to house the electrical facilities at the Gomez PS.

PROJECT DIVISION LOCATION: Division 3 and 4

PROJECT BUDGET:
DESIGN=\$100,000
CONSTRUCTION=\$900,000
INSPECTION/CONSTRUCTION ENGINEERING= (IN-HOUSE)
CONTINGENCY=N/A
TOTAL=\$1,000,000



LOCATION

VICINITY MAP



LIMITS OF PROJECT

PROJECT TITLE:
HUTTON PUMP STATION

DEPARTMENT: Engineering
MASTER PLAN: N/A
CONDITION ASSESSMENT: N/A

PROJECT TYPE:
Water

ESTIMATED SCHEDULE:
DESIGN - In Progress
CONSTRUCTION - Spring 2021

FUNDING SOURCE:
Water Fund

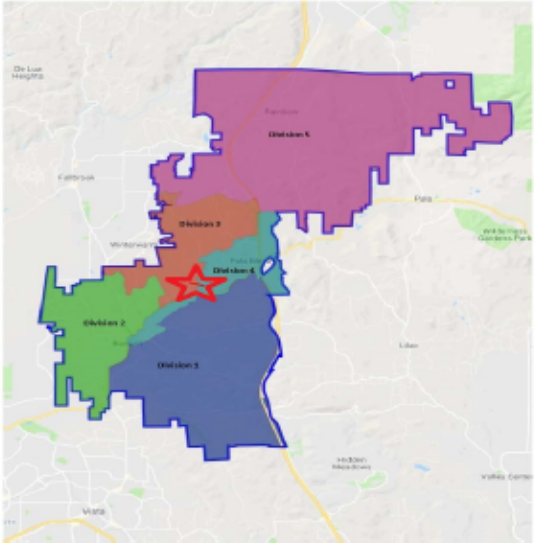
PROJECT MANAGER:
Michael Powers

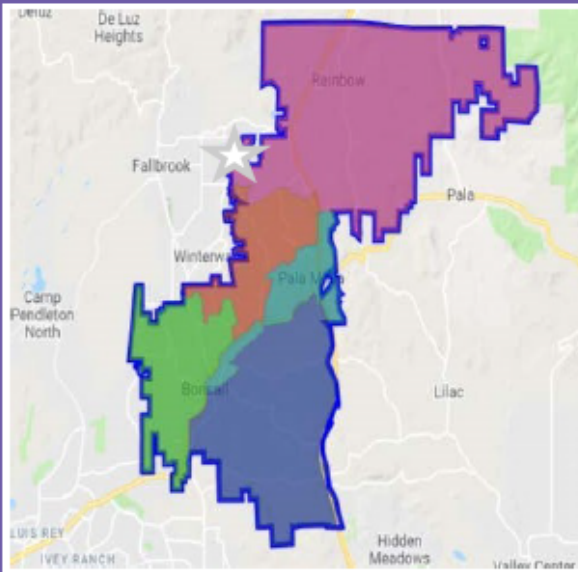
CIP ACCOUNT NO.:
600013

PROJECT DESCRIPTION:
Installation of pump station to provide water to Hutton Tank Zone.

PROJECT DIVISION LOCATION: District-wide

PROJECT BUDGET:
DESIGN=\$40,000
CONSTRUCTION=\$1,360,000
INSPECTION/CONSTRUCTION ENGINEERING= (IN-HOUSE)
CONTINGENCY=N/A
TOTAL=\$1,400,000

	<p style="text-align: center;">VICINITY MAP</p> <p style="text-align: center;">(DISTRICT WIDE)</p>
<p style="text-align: center;">LOCATION</p>	<p style="text-align: center;">LIMITS OF PROJECT</p>
<p>PROJECT TITLE: ISOLATION VALVE INSTALLATION PROGRAM</p>	<p>ESTIMATED SCHEDULE: DESIGN - N/A CONSTRUCTION - CONTINUOUS</p>
<p>DEPARTMENT: Engineering MASTER PLAN: WR23 CONDITION ASSESSMENT: N/A</p>	<p>FUNDING SOURCE: Water Fund</p> <p>PROJECT MANAGER: OPERATIONS</p>
<p>PROJECT TYPE: Water</p>	<p>CIP ACCOUNT NO.: 600009</p>
<p>PROJECT DESCRIPTION: This project is the replacement of old water valves throughout the District.</p> <p>PROJECT DIVISION LOCATION: (District Wide)</p> <p>PROJECT BUDGET: DESIGN=N/A CONSTRUCTION=\$300,000 INSPECTION/CONSTRUCTION ENGINEERING=N/A CONTINGENCY=N/A TOTAL=\$300,000</p>	



LOCATION

VICINITY MAP



LIMITS OF PROJECT

PROJECT TITLE:
LIVE OAK PARK BRIDGE WATER
RELOCATION PROJECT

DEPARTMENT: Engineering
MASTER PLAN: N/A
CONDITION ASSESSMENT: N/A

PROJECT TYPE:
Water

ESTIMATED SCHEDULE:
DESIGN - In Progress
CONSTRUCTION - Spring 2022

FUNDING SOURCE:
Water Fund

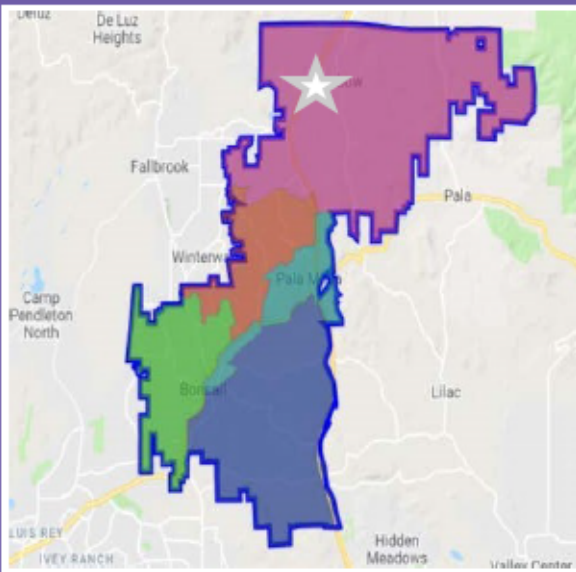
PROJECT MANAGER:
Michael Powers

CIP ACCOUNT NO.:
600037

PROJECT DESCRIPTION:
The County of San Diego is building a bridge in the location of two existing water pipes on Live Oak Park Road and the District will be relocating the two pipes onto the new bridge.

PROJECT DIVISION LOCATION: Division 5

PROJECT BUDGET:
DESIGN=\$42,000
CONSTRUCTION=\$502,000
INSPECTION/CONSTRUCTION ENGINEERING= (IN-HOUSE)
CONTINGENCY=\$56,000
TOTAL=\$600,000



LOCATION



VICINITY MAP

LIMITS OF PROJECT

PROJECT TITLE:
LOOKOUT MOUNTAIN ELECTRICAL UPGRADE

DEPARTMENT: Engineering
MASTER PLAN: N/A
CONDITION ASSESSMENT: N/A

PROJECT TYPE:
Water

ESTIMATED SCHEDULE:
DESIGN - Fall of 2022
CONSTRUCTION - Spring 2023

FUNDING SOURCE:
Water Fund

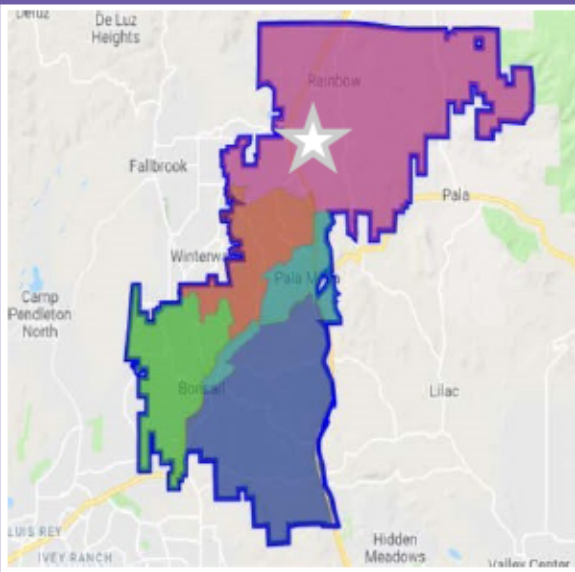
PROJECT MANAGER:
Michael Powers

CIP ACCOUNT NO.:
600050

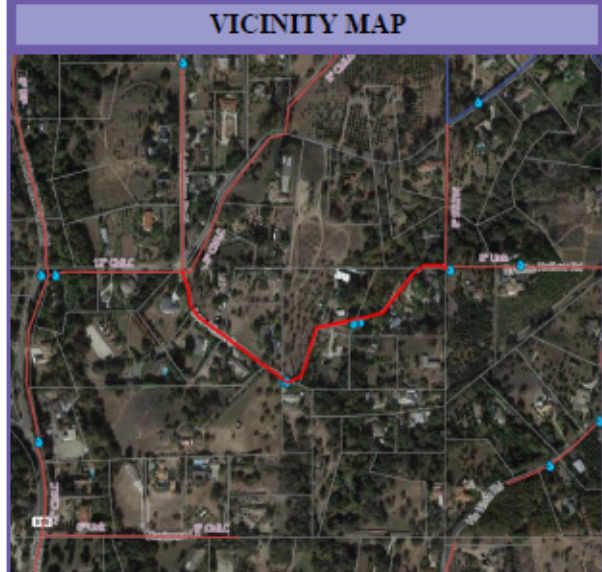
PROJECT DESCRIPTION:
Upgrade electrical equipment at Lookout Mountain Pump Station.

PROJECT DIVISION LOCATION: Division 5

PROJECT BUDGET:
DESIGN=\$200,000
CONSTRUCTION=\$725,000
INSPECTION/CONSTRUCTION ENGINEERING= (IN-HOUSE)
CONTINGENCY=\$75,000
TOTAL=\$1,000,000



LOCATION



LIMITS OF PROJECT

PROJECT TITLE:
LOS ALISOS SOUTH 243L

DEPARTMENT: Engineering
MASTER PLAN: N/A
CONDITION ASSESSMENT: #14

PROJECT TYPE:
Water

ESTIMATED SCHEDULE:
DESIGN - Summer 2023
CONSTRUCTION - Winter 2024

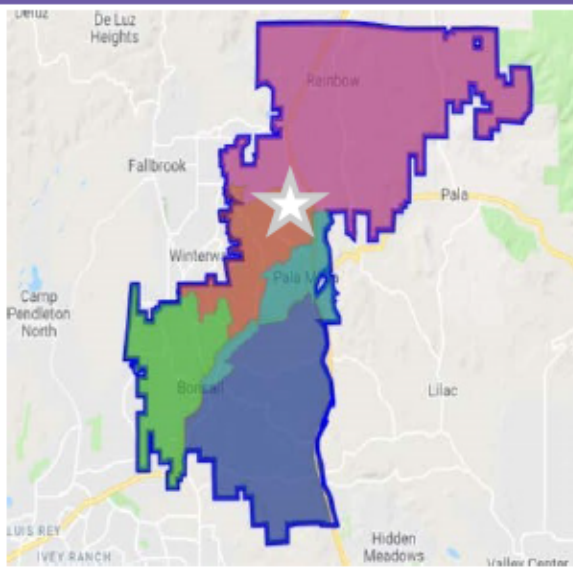
FUNDING SOURCE:
Water Fund

PROJECT MANAGER:
Michael Powers

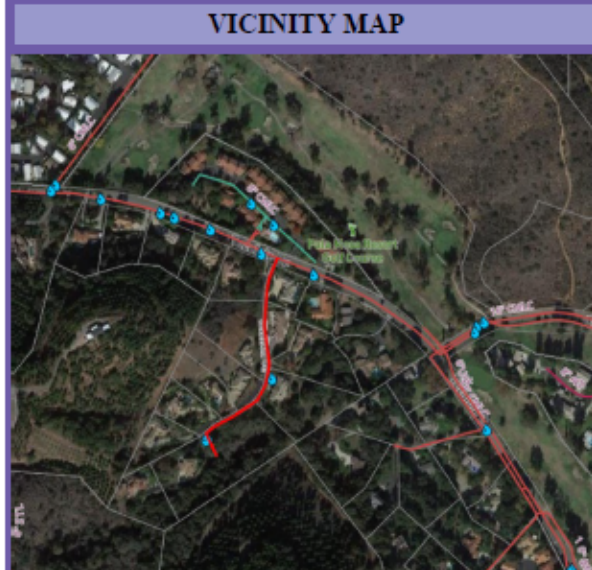
PROJECT DESCRIPTION:
Replacement or rehabilitation of 2112' of 8" pipe on Los Alisos South.

PROJECT DIVISION LOCATION: Division 5

PROJECT BUDGET:
DESIGN=\$50,000
CONSTRUCTION=\$400,000
INSPECTION/CONSTRUCTION ENGINEERING= (IN-HOUSE)
CONTINGENCY=\$50,000
TOTAL=\$500,000



LOCATION



VICINITY MAP

LIMITS OF PROJECT

PROJECT TITLE:
MILLAGRA DRIVE (TECALOTE DRIVE)

DEPARTMENT: Engineering
MASTER PLAN: N/A
CONDITION ASSESSMENT: #6

PROJECT TYPE:
Water

ESTIMATED SCHEDULE:
DESIGN - In Progress
CONSTRUCTION - 2021

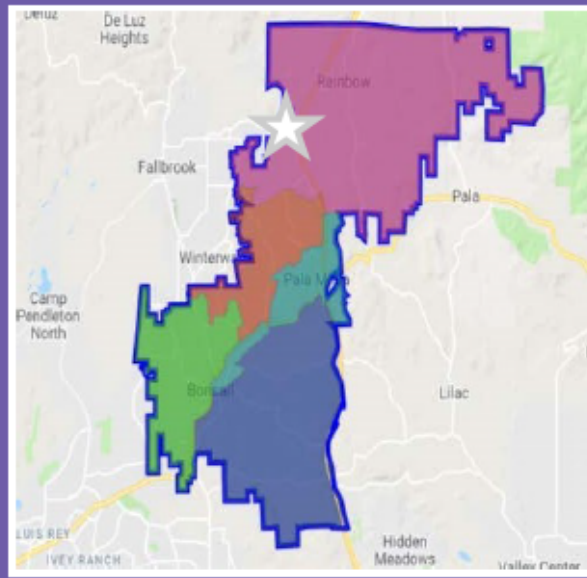
FUNDING SOURCE:
Water Fund

PROJECT MANAGER:
Michael Powers

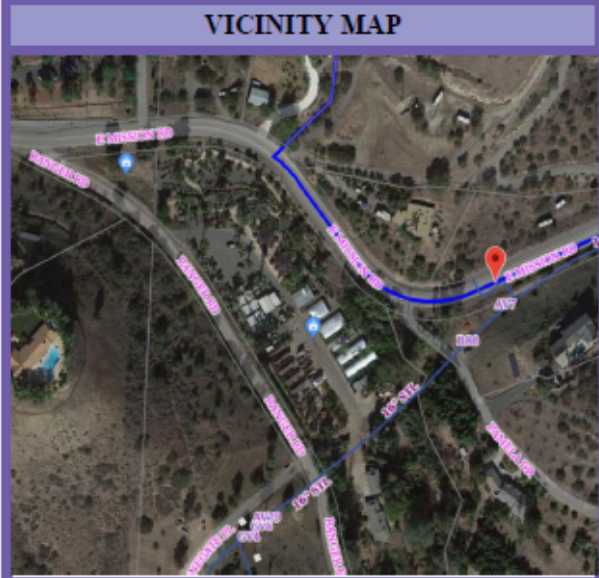
PROJECT DESCRIPTION:
Originally was replacement or rehabilitation of 1056' of 8" pipe on Stallion Circle near Millagra Drive., the design will connect 200' of pipe to an exiting pressure-reducing station.

PROJECT DIVISION LOCATION: Division 3

PROJECT BUDGET:
DESIGN=\$11,000
CONSTRUCTION=\$73,000
INSPECTION/CONSTRUCTION ENGINEERING= (IN-HOUSE)
CONTINGENCY=\$8,000
TOTAL=\$92,000



LOCATION



LIMITS OF PROJECT

PROJECT TITLE:
MISSION ROAD / FPUD INTERCONNECT

DEPARTMENT: Engineering
MASTER PLAN: N/A
CONDITION ASSESSMENT: N/A

PROJECT TYPE:
Water

ESTIMATED SCHEDULE:
DESIGN - Fall 2023
CONSTRUCTION - Spring 2024

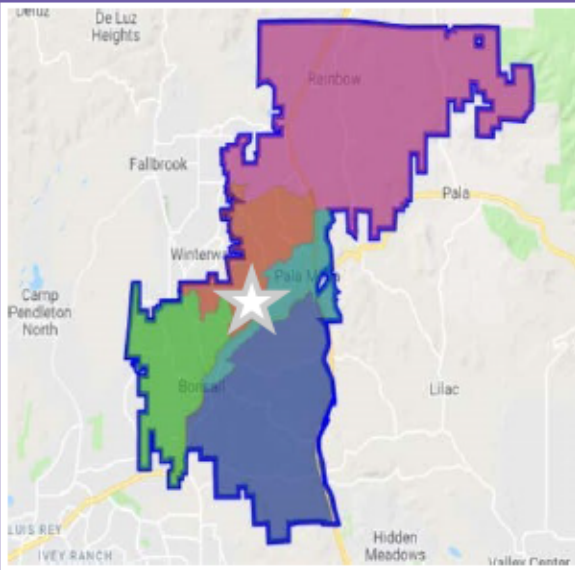
FUNDING SOURCE:
Water Fund

PROJECT MANAGER:
Michael Powers

PROJECT DESCRIPTION:
Install a permanent Interconnection between RMWD and FPUD near Mission Road and Pamela Dr.

PROJECT DIVISION LOCATION: Division 5

PROJECT BUDGET:
DESIGN=(IN-HOUSE)
CONSTRUCTION=\$70,000
INSPECTION/CONSTRUCTION ENGINEERING= (IN-HOUSE)
CONTINGENCY=N/A
TOTAL=\$70,000



LOCATION



LIMITS OF PROJECT

PROJECT TITLE:
MORRO SUMAC TRANSMISSION MAIN
GIRD ROAD PIPELINE UPSIZE PROJECT

DEPARTMENT: Engineering
MASTER PLAN: N/A
CONDITION ASSESSMENT: #15

PROJECT TYPE:
Water

ESTIMATED SCHEDULE:
DESIGN - In Progress
CONSTRUCTION - Fall 2021

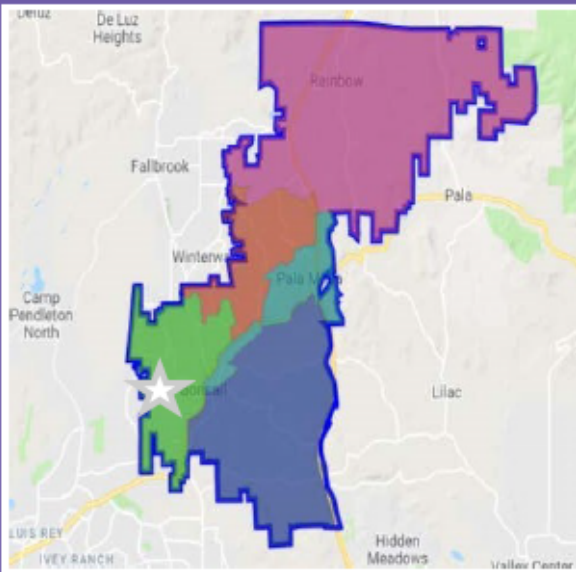
FUNDING SOURCE:
Water Fund

PROJECT MANAGER:
Michael Powers

PROJECT DESCRIPTION:
Replacement or rehabilitation of approximately 1600' of 12" pipe to 18" on Gird Road.

PROJECT DIVISION LOCATION: Division 3

PROJECT BUDGET:
DESIGN=\$100,000
CONSTRUCTION=\$1,000,000
INSPECTION/CONSTRUCTION ENGINEERING= (IN-HOUSE)
CONTINGENCY=N/A
TOTAL=\$1,100,000



LOCATION



LIMITS OF PROJECT

PROJECT TITLE:
MORRO TANK ZONE PERMANENT FPUD
INTERCONNECT

DEPARTMENT: Engineering
MASTER PLAN: WS3
CONDITION ASSESSMENT:

PROJECT TYPE:
Water

ESTIMATED SCHEDULE:
DESIGN - Fall of 2022
CONSTRUCTION - Spring 2023

FUNDING SOURCE:
Water Fund

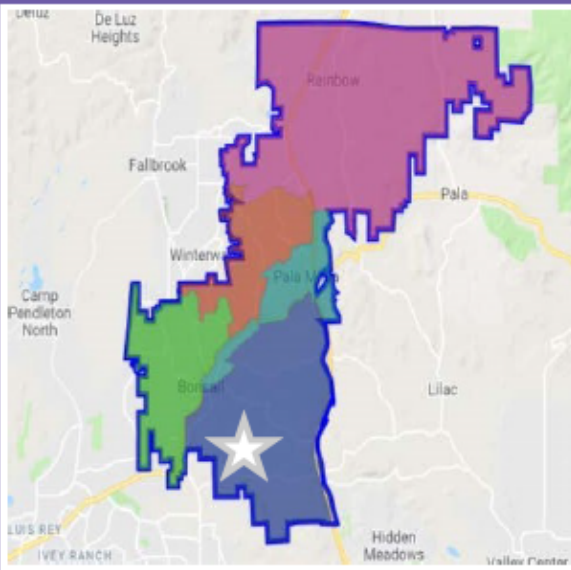
PROJECT MANAGER:
Steve Strapac

CIP ACCOUNT NO.:
600014

PROJECT DESCRIPTION:
Installation of an interconnection with FPUD in the Morro Tank Zone for emergency supply redundancy.

Project Division Location: Division 2

PROJECT BUDGET:
DESIGN=\$25,000
CONSTRUCTION=\$125,000
INSPECTION/CONSTRUCTION ENGINEERING= (IN-HOUSE)
CONTINGENCY=N/A
TOTAL=\$150,000



LOCATION



VICINITY MAP

LIMITS OF PROJECT

PROJECT TITLE:
NELLA LANE

DEPARTMENT: Engineering
MASTER PLAN: N/A
CONDITION ASSESSMENT: #8

PROJECT TYPE:
Water

ESTIMATED SCHEDULE:
DESIGN - In Progress
CONSTRUCTION - Fall 2023

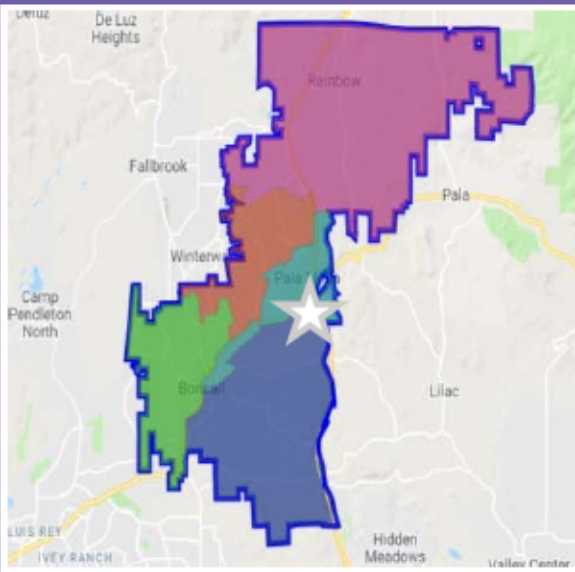
FUNDING SOURCE:
Water Fund

PROJECT MANAGER:
Michael Powers

PROJECT DESCRIPTION:
Replacement or rehabilitation of 670' of 8" pipe on Nella Lane.

PROJECT DIVISION LOCATION: Division 1

PROJECT BUDGET:
DESIGN=\$23,000
CONSTRUCTION=\$243,000
INSPECTION/CONSTRUCTION ENGINEERING= (IN-HOUSE)
CONTINGENCY=\$27,000
TOTAL=\$293,000



LOCATION



VICINITY MAP

LIMITS OF PROJECT

PROJECT TITLE:
NEW DISTRICT HEADQUARTERS

DEPARTMENT: Engineering
MASTER PLAN: WR26
CONDITION ASSESSMENT: N/A

PROJECT TYPE:
Engineering

ESTIMATED SCHEDULE:
DESIGN - Summer 2020
CONSTRUCTION - Summer 2025

FUNDING SOURCE:
Water and Wastewater Fund

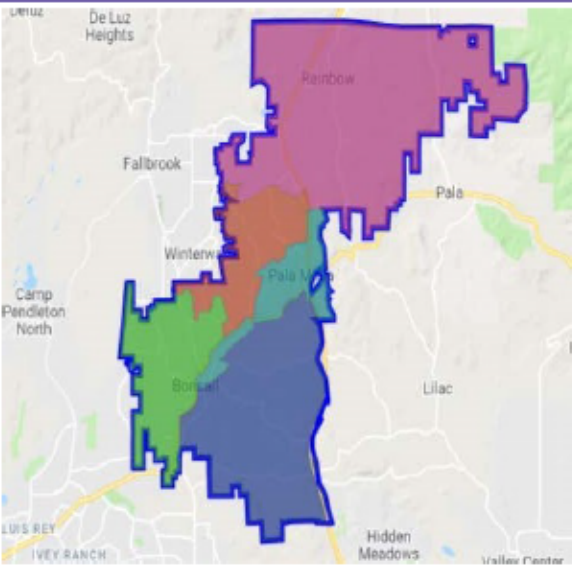
PROJECT MANAGER:
Steve Strapac

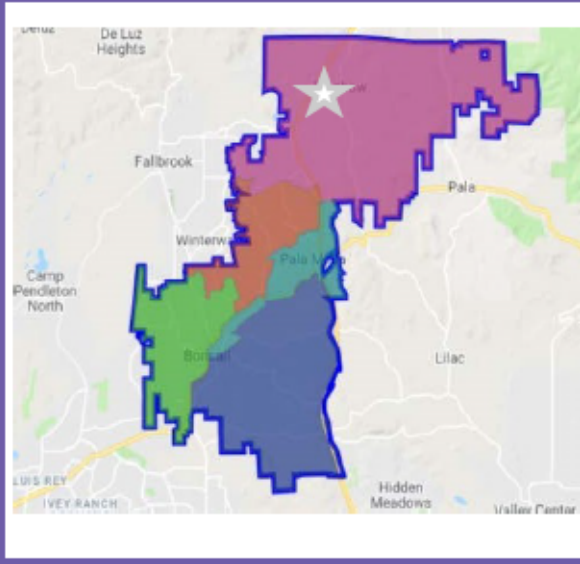
CIP ACCOUNT NO.:
300008

PROJECT DESCRIPTION:
Provide the District with a new headquarters building and yard.

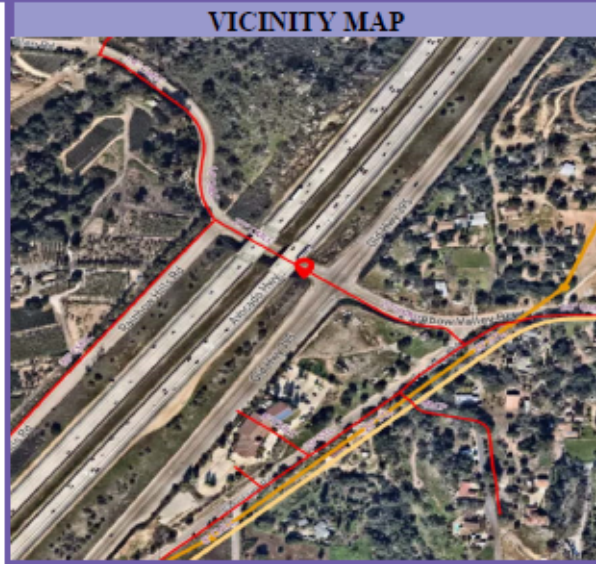
PROJECT DIVISION LOCATION: Division 1

PROJECT BUDGET:
DESIGN=\$550,000
CONSTRUCTION=\$2,100,000
INSPECTION/CONSTRUCTION ENGINEERING= UNKNOWN
CONTINGENCY=\$200,000
TOTAL=\$2,850,000

 <p>LOCATION</p>	<p>VICINITY MAP</p> <p>(DISTRICT WIDE)</p> <p>LIMITS OF PROJECT</p>
<p>PROJECT TITLE: NEW PRESSURE REDUCING STATIONS</p>	<p>ESTIMATED SCHEDULE: DESIGN - Fall of 2019 CONSTRUCTION - (ongoing)</p>
<p>DEPARTMENT: Engineering MASTER PLAN: WP1 CONDITION ASSESSMENT: N/A</p>	<p>FUNDING SOURCE: Water Fund</p> <p>PROJECT MANAGER: Malik Tamimi</p>
<p>PROJECT TYPE: Water</p>	<p>CIP ACCOUNT NO.: 600007</p>
<p>PROJECT DESCRIPTION: District-wide installation new pressure reducing stations to manage high pressure.</p> <p>PROJECT DIVISION LOCATION: District-wide</p> <p>PROJECT BUDGET: DESIGN=N/A CONSTRUCTION= Varies By Year (\$250,000—\$800,000) INSPECTION/CONSTRUCTION ENGINEERING= (IN-HOUSE) CONTINGENCY=N/A TOTAL=Varies By Year (\$250,000—\$800,000)</p>	



LOCATION



LIMITS OF PROJECT

PROJECT TITLE:
NORTH FEEDER AND RAINBOW HILLS WATER LINE REPLACEMENTS

ESTIMATED SCHEDULE:
DESIGN - Summer of 2022
CONSTRUCTION - Fall 2023

DEPARTMENT: Engineering
MASTER PLAN: WR7
CONDITION ASSESSMENT: N/A

FUNDING SOURCE:
Water Fund

PROJECT MANAGER:
Michael Powers

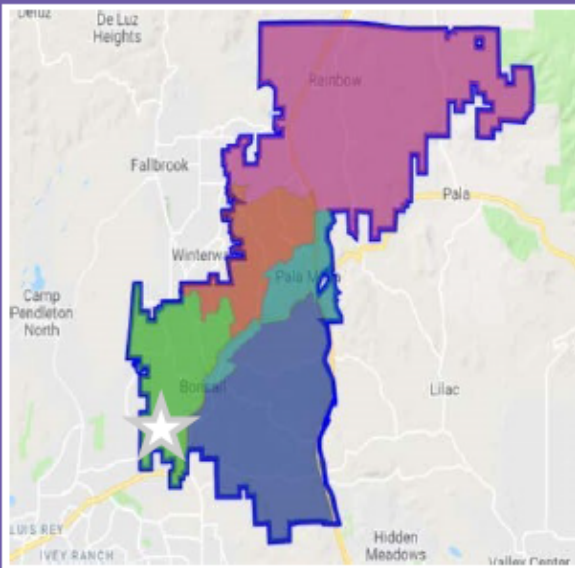
PROJECT TYPE:
Water

CIP ACCOUNT NO.:
600051

PROJECT DESCRIPTION:
Replace approximately 3800' corroded pipelines which have suffered several breaks. 30-inch 27-inch. 27" is under I-15 at Rainbow Valley Blvd.

PROJECT DIVISION LOCATION: Division 5

PROJECT BUDGET:
DESIGN=\$150,000
CONSTRUCTION=\$765,000
INSPECTION/CONSTRUCTION ENGINEERING= (IN-HOUSE)
CONTINGENCY=\$85,000
TOTAL=\$2,000,000



LOCATION



LIMITS OF PROJECT

PROJECT TITLE:
LINE A 628 (NORTH RIVER ROAD)

DEPARTMENT: Engineering
MASTER PLAN: N/A
CONDITION ASSESSMENT: #7

PROJECT TYPE:
Water

ESTIMATED SCHEDULE:
DESIGN - In Progress
CONSTRUCTION - 2023

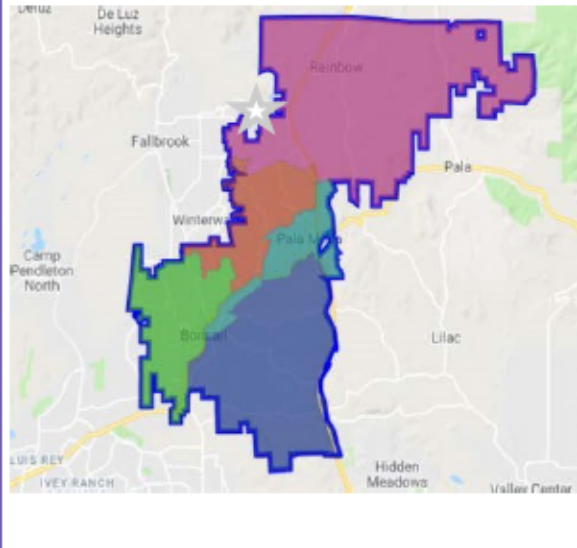
FUNDING SOURCE:
Water Fund

PROJECT MANAGER:
Michael Powers

PROJECT DESCRIPTION:
Replacement or rehabilitation of 2,600' of 10" pipe on North River Road and Holly Lane.

PROJECT DIVISION LOCATION: Division 2

PROJECT BUDGET:
DESIGN=\$144,000
CONSTRUCTION=\$944,000
INSPECTION/CONSTRUCTION ENGINEERING= (IN-HOUSE)
CONTINGENCY=\$105,000
TOTAL=\$1,193,000



LOCATION



VICINITY MAP

LIMITS OF PROJECT

PROJECT TITLE:
NORTHSIDE PERMANENT FPUD EMERGENCY INTERCONNECTION

ESTIMATED SCHEDULE:
DESIGN - Summer of 2024
CONSTRUCTION - Fall 2025

DEPARTMENT: Engineering
MASTER PLAN: WS2
CONDITION ASSESSMENT: N/A

FUNDING SOURCE:
Water Fund

PROJECT MANAGER:
Steve Strapac

PROJECT TYPE:
Water

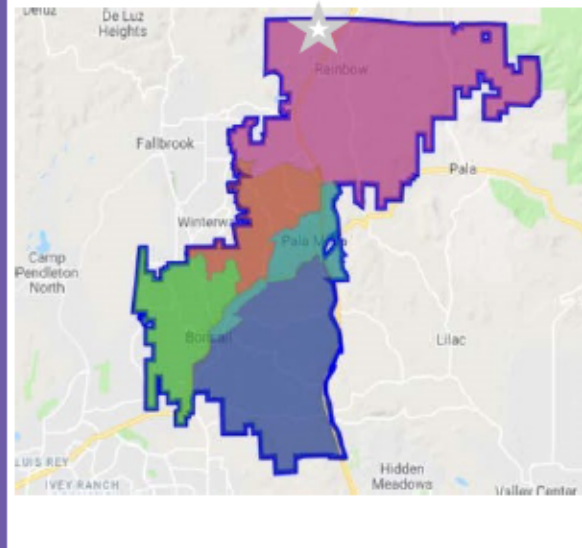
PROJECT DESCRIPTION:
Provide emergency supply to Northside Zone in case of transmission failure & additional supply during 2nd Aqueduct outage

PROJECT DIVISION LOCATION: Division 5

PROJECT BUDGET:
DESIGN=\$25,000
CONSTRUCTION=\$125,000
INSPECTION/CONSTRUCTION ENGINEERING= (IN-HOUSE)
CONTINGENCY=N/A
TOTAL=\$150,000



Capital Improvement Project Information
NORTHSIDE ZONE SUPPLY REDUNDANCY
(RAINBOW HILLS ZONE)



LOCATION

VICINITY MAP



LIMITS OF PROJECT

PROJECT TITLE:
 NORTHSIDE ZONE SUPPLY REDUNDANCY
 (RAINBOW HILLS ZONE)

ESTIMATED SCHEDULE:
 DESIGN - Summer of 2023
 CONSTRUCTION - Spring 2024

DEPARTMENT: Engineering
MASTER PLAN: WR4
CONDITION ASSESSMENT: N/A

FUNDING SOURCE:
 Water Fund

PROJECT MANAGER:
 Steve Strapac

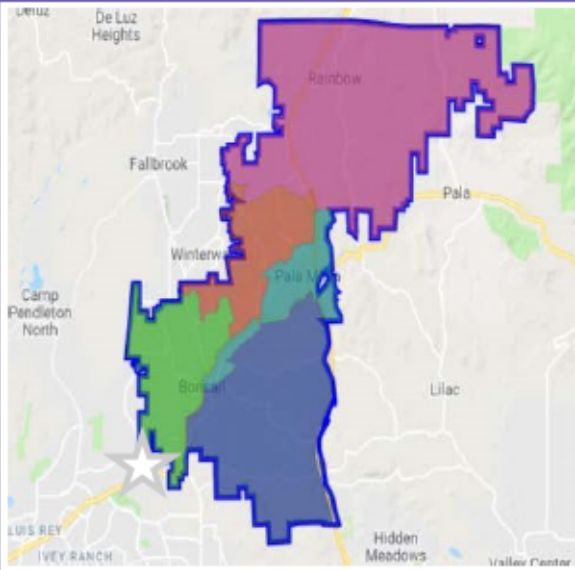
PROJECT TYPE:
 Water

CIP ACCOUNT NO.:
 600048

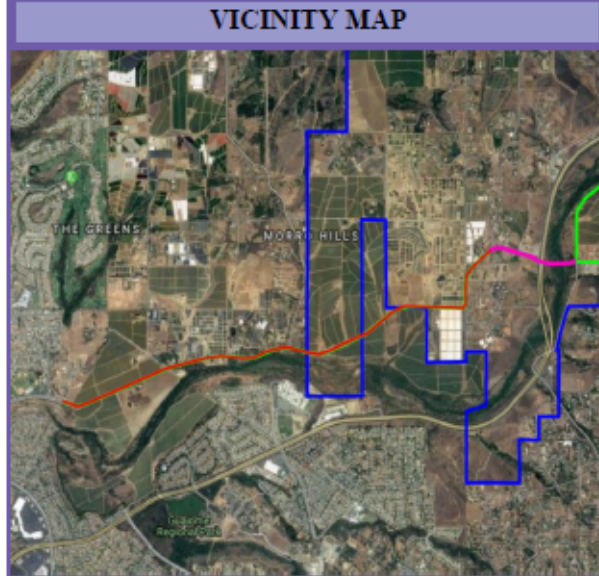
PROJECT DESCRIPTION:
 Upsize Rainbow Hills Road 6" diameter Pipeline to 12-inch, and install New PRS.

PROJECT DIVISION LOCATION: Division 5

PROJECT BUDGET:
 DESIGN=\$50,000
 CONSTRUCTION=\$400,000
 INSPECTION/CONSTRUCTION ENGINEERING= (IN-HOUSE)
 CONTINGENCY=\$50,000
 TOTAL=\$500,000



LOCATION



VICINITY MAP

LIMITS OF PROJECT

PROJECT TITLE:
OLD RIVER ROAD LS STALLION OUTFALL REPAIR

ESTIMATED SCHEDULE:
DESIGN - Spring
CONSTRUCTION - Summer 2020

DEPARTMENT: Operations
MASTER PLAN: N/A
CONDITION ASSESSMENT: N/A

FUNDING SOURCE:
Wastewater Fund

PROJECT MANAGER:
Chad Williams

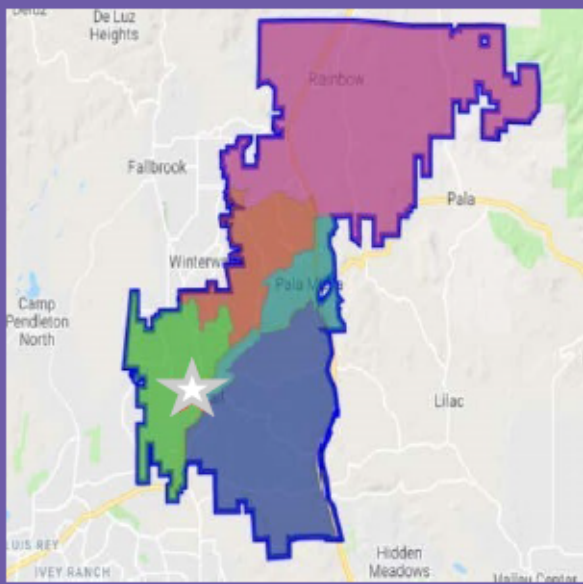
PROJECT TYPE:
Wastewater

CIP ACCOUNT NO.:
530025

PROJECT DESCRIPTION:
Inspection and repairs to the 15" sewer line from Old River LS to the Stallion Drive Outfall.

PROJECT DIVISION LOCATION: Division 1 and 2

PROJECT BUDGET:
DESIGN=\$151,000
CONSTRUCTION=\$2,500,000
INSPECTION/CONSTRUCTION ENGINEERING= (IN-HOUSE)
CONTINGENCY=N/A
TOTAL=\$2,651,000



LOCATION



VICINITY MAP

LIMITS OF PROJECT

PROJECT TITLE:
OLIVE HILL ESTATES TRANSMISSION
LINE RECONNECTION

DEPARTMENT: Engineering
MASTER PLAN:
CONDITION ASSESSMENT: N/A

PROJECT TYPE:
Water

ESTIMATED SCHEDULE:
DESIGN - Complete
CONSTRUCTION - In Progress

FUNDING SOURCE:
Water Fund

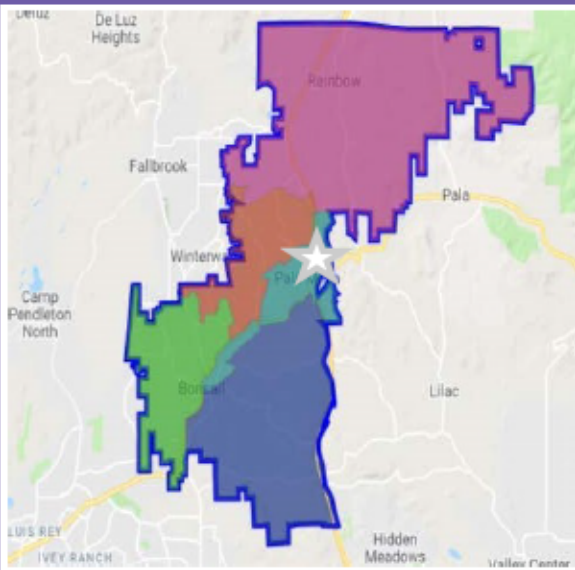
PROJECT MANAGER:
Malik Tamimi

CIP ACCOUNT NO.:
600031

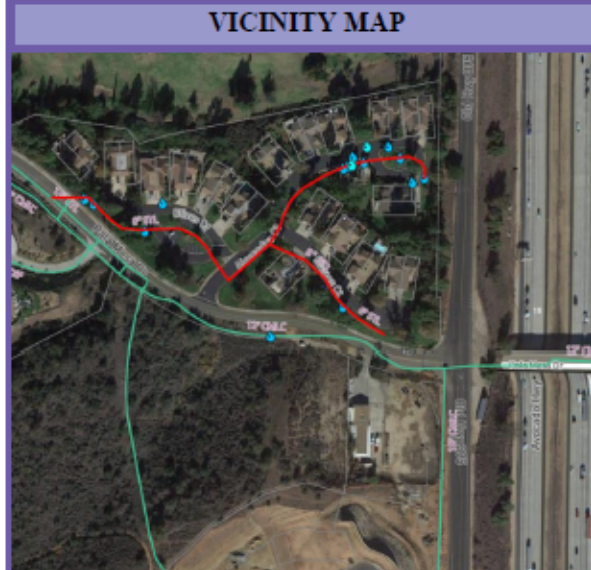
PROJECT DESCRIPTION:
New Construction of 2,550 lineal feet of 14-inch ductile iron pipe (DIP) and 30 feet of 12-inch DIP in the Olive Hill Estates Community .

PROJECT DIVISION LOCATION: (District Wide)

PROJECT BUDGET:
DESIGN=Complete
CONSTRUCTION=\$1,128,075
INSPECTION/CONSTRUCTION ENGINEERING=N/A
CONTINGENCY=\$371,925
TOTAL=\$1,573,700



LOCATION



LIMITS OF PROJECT

PROJECT TITLE:
PALA MESA FAIRWAYS 383 A,B, AND C
Project now part of PRS Project

DEPARTMENT: Engineering
MASTER PLAN: N/A
CONDITION ASSESSMENT: #1, 3, and 21

PROJECT TYPE:
Water

ESTIMATED SCHEDULE:
DESIGN - N/A
CONSTRUCTION - N/A

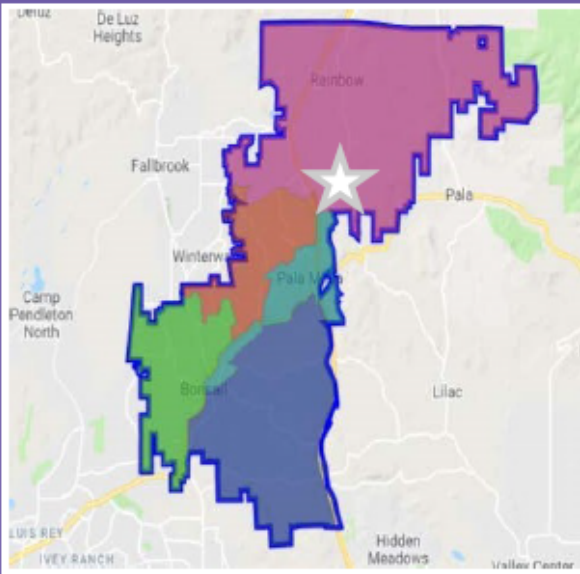
FUNDING SOURCE:

PROJECT MANAGER:

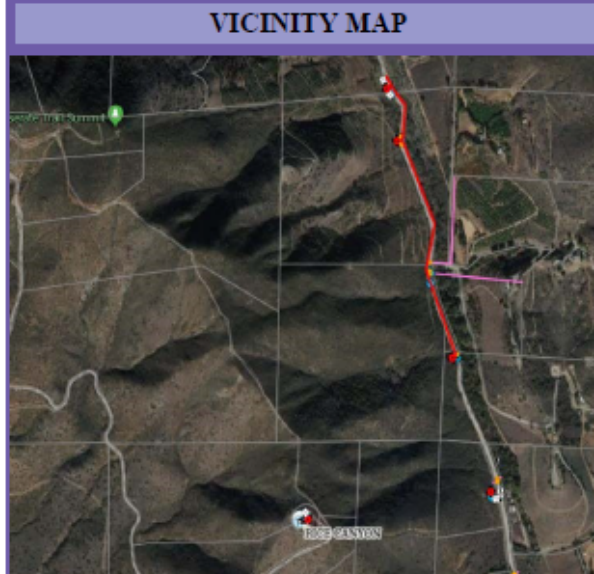
PROJECT DESCRIPTION:
Project now part of PRS Project
Install pressure reducing station and cathodic protection in Almendra Court to eliminate leaks caused by high pressures and corrosion. Original project was pipe replacement.

PROJECT DIVISION LOCATION: Division 4

PROJECT BUDGET:
DESIGN=N/A
CONSTRUCTION=N/A
INSPECTION/CONSTRUCTION ENGINEERING= N/A
CONTINGENCY=N/A



LOCATION



VICINITY MAP

LIMITS OF PROJECT

PROJECT TITLE:
PIPE 2333 (RICE CANYON ROAD NORTH OF RICE CANYON TANK)

DEPARTMENT: Engineering
MASTER PLAN: N/A
CONDITION ASSESSMENT: #4

PROJECT TYPE:
Water

ESTIMATED SCHEDULE:
DESIGN - In Progress
CONSTRUCTION - 2023

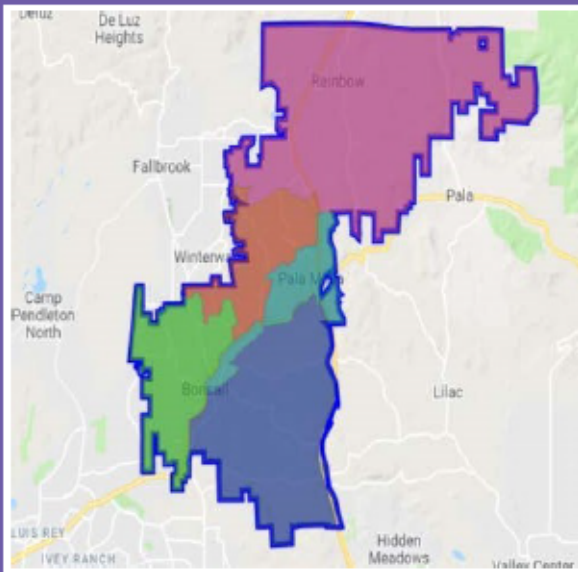
FUNDING SOURCE:
Water Fund

PROJECT MANAGER:
Michael Powers

PROJECT DESCRIPTION:
Replacement or rehabilitation of 2149' of 8" pipe on Rice Canyon Road north of Rice Canyon Tank.

PROJECT DIVISION LOCATION: Division 5

PROJECT BUDGET:
DESIGN=\$120,000
CONSTRUCTION=\$784,000
INSPECTION/CONSTRUCTION ENGINEERING= (IN-HOUSE)
CONTINGENCY=\$87,000
TOTAL=\$991,000



LOCATION

VICINITY MAP

(DISTRICT WIDE)

LIMITS OF PROJECT

PROJECT TITLE:
PIPELINE UPGRADE PROJECT NO. 1

DEPARTMENT: Engineering
MASTER PLAN: N/A
CONDITION ASSESSMENT: #2, 9, and 19

PROJECT TYPE:
Water

ESTIMATED SCHEDULE:
DESIGN - In Progress
CONSTRUCTION - Fall 2020

FUNDING SOURCE:
Water Fund

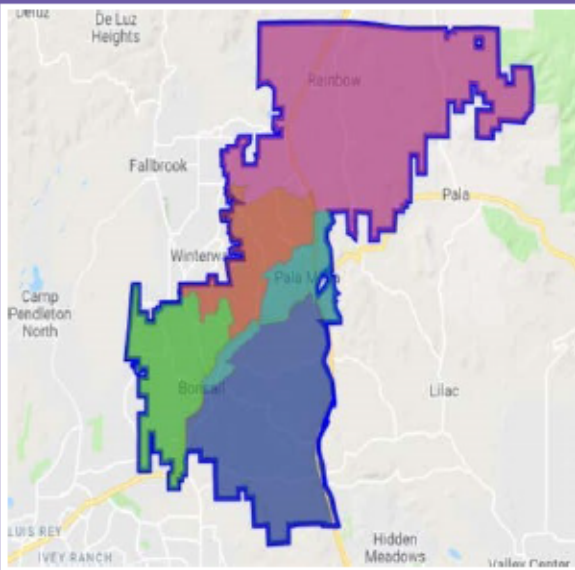
PROJECT MANAGER:
Michael Powers

CIP ACCOUNT NO.:
600021

PROJECT DESCRIPTION:
Relocation or installation of several pipelines District-wide in accessible easements and roadways.

PROJECT DIVISION LOCATION: District-wide

PROJECT BUDGET:
DESIGN=N/A
CONSTRUCTION=\$3,825,000
INSPECTION/CONSTRUCTION ENGINEERING= (IN-HOUSE)
CONTINGENCY=\$425,000
TOTAL=\$4,250,000



LOCATION

VICINITY MAP

(DISTRICT WIDE)

LIMITS OF PROJECT

PROJECT TITLE:
PRESSURE REDUCING STATION
REPLACEMENT PROGRAM

DEPARTMENT: Engineering
MASTER PLAN: 13
CONDITION ASSESSMENT: N/A

PROJECT TYPE:
Water

ESTIMATED SCHEDULE:
DESIGN - Fall of 2020
CONSTRUCTION - Summer 2021

FUNDING SOURCE:
Water Fund

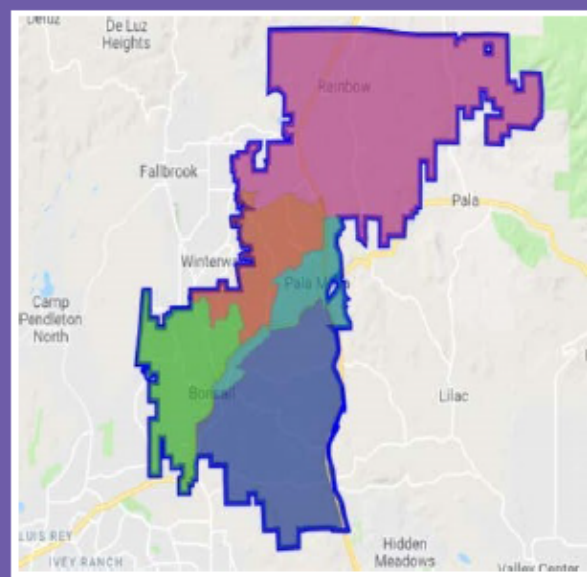
PROJECT MANAGER:
Malik Tamimi

CIP ACCOUNT NO.:
600017

PROJECT DESCRIPTION:
District-wide installation of pressure-reducing stations to control high pressure and extend pipe life.

PROJECT DIVISION LOCATION: District-wide

PROJECT BUDGET:
DESIGN=N/A
CONSTRUCTION=\$300,000
INSPECTION/CONSTRUCTION ENGINEERING= (IN-HOUSE)
CONTINGENCY=N/A
TOTAL= \$300,000



LOCATION

VICINITY MAP

(DISTRICT WIDE)

LIMITS OF PROJECT

PROJECT TITLE:
PROGRAMMATIC EIR FOR EXISTING EASEMENTS

DEPARTMENT: Engineering
MASTER PLAN: N/A
CONDITION ASSESSMENT RANK: N/A

PROJECT TYPE:
Water

ESTIMATED SCHEDULE:
DESIGN - Summer 2020
CONSTRUCTION - N/A

FUNDING SOURCE:
Water Fund

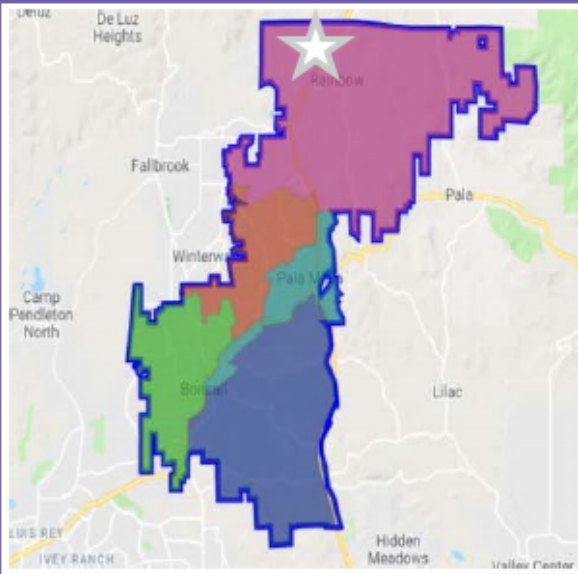
PROJECT MANAGER:
Malik Tamimi

CIP ACCOUNT NO.:
300007

PROJECT DESCRIPTION:
Development of Programmatic EIR to guide future CEQA procedures for work within existing ROW.

PROJECT DIVISION LOCATION: District-wide

PROJECT BUDGET:
DESIGN=\$500,000
CONSTRUCTION=N/A
INSPECTION/CONSTRUCTION ENGINEERING= N/A
CONTINGENCY=N/A
TOTAL=\$500,000



LOCATION



VICINITY MAP

LIMITS OF PROJECT

PROJECT TITLE:
RAINBOW GLEN LINE REPLACEMENT

DEPARTMENT: Engineering
MASTER PLAN: N/A
CONDITION ASSESSMENT: #10

PROJECT TYPE:
Water

ESTIMATED SCHEDULE:
DESIGN - In Progress
CONSTRUCTION - Spring 2023

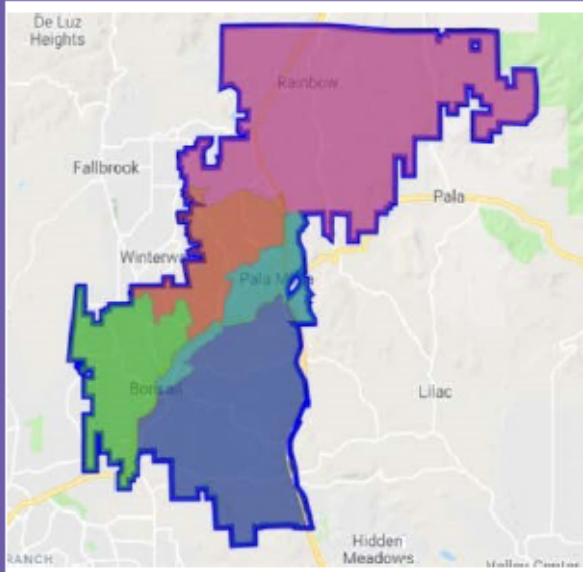
FUNDING SOURCE:
Water Fund

PROJECT MANAGER:
Michael Powers

PROJECT DESCRIPTION:
Replacement or rehabilitation of 739' of 12" pipe on Rainbow Glen Road.

PROJECT DIVISION LOCATION: Division 5

PROJECT BUDGET:
DESIGN=\$39,000
CONSTRUCTION=\$268,000
INSPECTION/CONSTRUCTION ENGINEERING= (IN-HOUSE)
CONTINGENCY=\$30,000
TOTAL=\$337,000



LOCATION



VICINITY MAP

LIMITS OF PROJECT

PROJECT TITLE:
RAINBOW HEIGHTS PS (#1) UPGRADES-RECONSTRUCTION

DEPARTMENT: Engineering
MASTER PLAN: WR5
CONDITION ASSESSMENT: N/A

PROJECT TYPE:
Water

ESTIMATED SCHEDULE:
DESIGN - Complete
CONSTRUCTION -In Progress

FUNDING SOURCE:
Water Fund

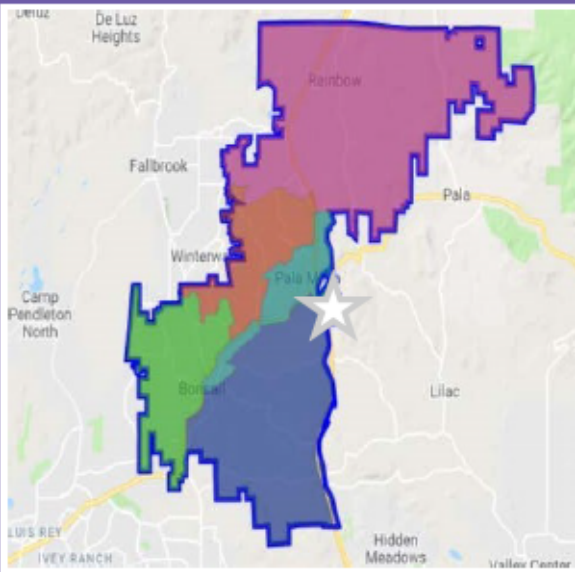
PROJECT MANAGER:
Michael Powers

CIP ACCOUNT NO.:
600001

PROJECT DESCRIPTION:
Replacement of the existing natural-gas powered pump station with a pre-fabricated pump station (electric). Also moving facilities out of the SDCWA easement.

PROJECT DIVISION LOCATION: Division 5

PROJECT BUDGET:
DESIGN=(COMPLETED)
CONSTRUCTION=\$2,637,397
INSPECTION/CONSTRUCTION ENGINEERING (IN-HOUSE & CONTRACT)
CONTINGENCY= \$50,000
TOTAL=\$2,687,397



LOCATION



LIMITS OF PROJECT

PROJECT TITLE:
RANCHO VIEJO LS WET WELL EXPANSION

ESTIMATED SCHEDULE:
DESIGN - Summer 2023
CONSTRUCTION - Spring 2024

DEPARTMENT: Engineering
MASTER PLAN: S3
CONDITION ASSESSMENT: N/A

FUNDING SOURCE:
Wastewater Fund

PROJECT MANAGER:
Steve Strapac

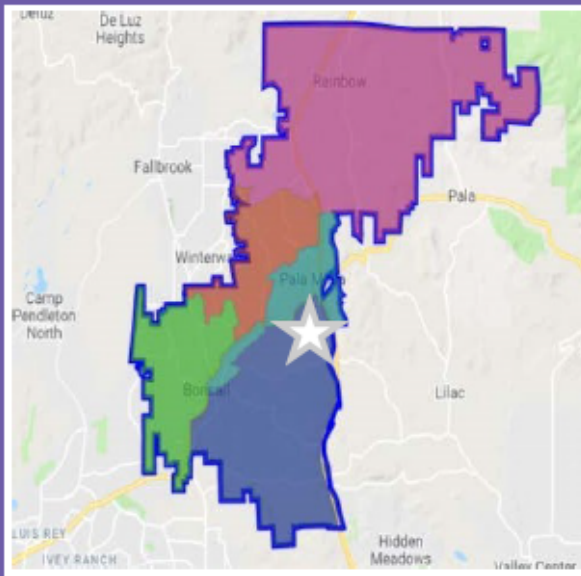
PROJECT TYPE:
Wastewater

CIP ACCOUNT NO.:
530020

PROJECT DESCRIPTION:
Installation of improvements to the wet wells at Rancho Viejo LS on Lake Circle Drive.

PROJECT DIVISION LOCATION: Division 4

PROJECT BUDGET:
DESIGN=\$15,000
CONSTRUCTION=\$115,000
INSPECTION/CONSTRUCTION ENGINEERING= \$5,000
CONTINGENCY=\$15,000
TOTAL=\$150,000



LOCATION



VICINITY MAP

LIMITS OF PROJECT

PROJECT TITLE:
REPLACE RANCHO MONSERATE LS
EMERGENCY GENERATOR

DEPARTMENT: Engineering
MASTER PLAN: S6
CONDITION ASSESSMENT: N/A

PROJECT TYPE:
Wastewater

ESTIMATED SCHEDULE:
DESIGN - Summer 2022
CONSTRUCTION - Winter 2023

FUNDING SOURCE:
Wastewater Fund

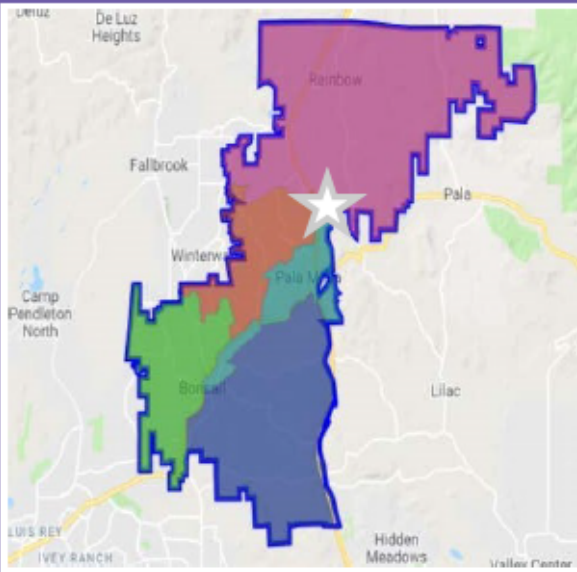
PROJECT MANAGER:
Michael Powers

CIP ACCOUNT NO.:
530023

PROJECT DESCRIPTION:
Replace emergency generator at Rancho Monserate Lift Station near Dulin Road.

PROJECT DIVISION LOCATION: Division 1

PROJECT BUDGET:
DESIGN=N/A
CONSTRUCTION=\$125,000
INSPECTION/CONSTRUCTION ENGINEERING= (IN-HOUSE)
CONTINGENCY=N/A
TOTAL=\$125,000



LOCATION



LIMITS OF PROJECT

PROJECT TITLE:
RICE CANYON TRANSMISSION PIPELINE PROJECT

DEPARTMENT: Engineering
MASTER PLAN: WR13 (B)
CONDITION ASSESSMENT: N/A

PROJECT TYPE:
Water

ESTIMATED SCHEDULE:
DESIGN - Summer 2020
CONSTRUCTION - Spring 2021

FUNDING SOURCE:
Water Fund

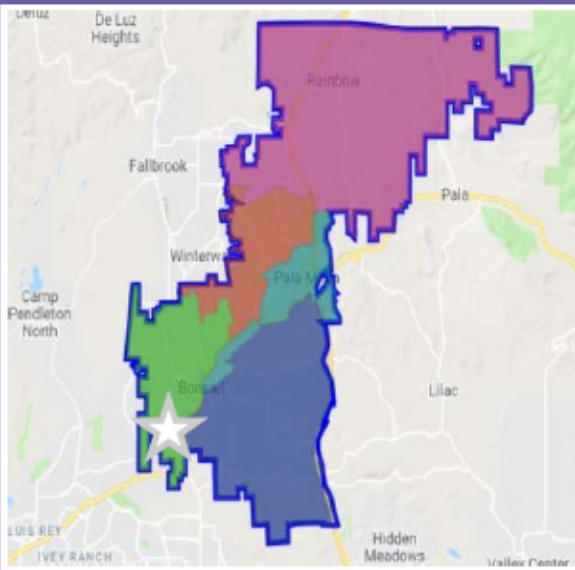
PROJECT MANAGER:
Steve Strapac

CIP ACCOUNT NO.:
600034

PROJECT DESCRIPTION:
Install transmission main from Rice Canyon Tank to new development to improve cycling the tank.

PROJECT DIVISION LOCATION: Division 4

PROJECT BUDGET:
DESIGN=\$191,000
CONSTRUCTION=\$3,428,000
INSPECTION/CONSTRUCTION ENGINEERING= (IN-HOUSE)
CONTINGENCY=\$381,000
TOTAL=\$4,000,000



LOCATION



LIMITS OF PROJECT

PROJECT TITLE:
ROY LINE EXTENSION (EMERALD HILL ROAD)

DEPARTMENT: Engineering
MASTER PLAN: N/A
CONDITION ASSESSMENT: #18

PROJECT TYPE:
Water

ESTIMATED SCHEDULE:
DESIGN - Fall 2023
CONSTRUCTION - Spring 2024

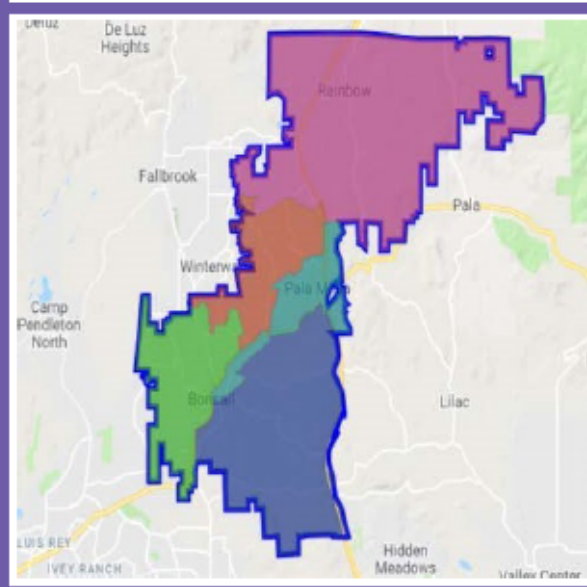
FUNDING SOURCE:
Water Fund

PROJECT MANAGER:
Michael Powers

PROJECT DESCRIPTION:
Replacement or rehabilitation of 1056' of 6" pipe on Emerald Hill Road near North River Road.

PROJECT DIVISION LOCATION: Division 2

PROJECT BUDGET:
DESIGN=\$25,000
CONSTRUCTION=\$200,000
INSPECTION/CONSTRUCTION ENGINEERING= (IN-HOUSE)
CONTINGENCY=\$25,000
TOTAL=\$250,000



LOCATION

VICINITY MAP

(DISTRICT WIDE)

LIMITS OF PROJECT

PROJECT TITLE:
SAMPLING PORTS FOR TESTING

DEPARTMENT: Operations
MASTER PLAN: N/A
CONDITION ASSESSMENT: N/A

PROJECT TYPE:
Water

ESTIMATED SCHEDULE:
DESIGN - Fall of 2020
CONSTRUCTION - Summer 2021

FUNDING SOURCE:
Water Fund

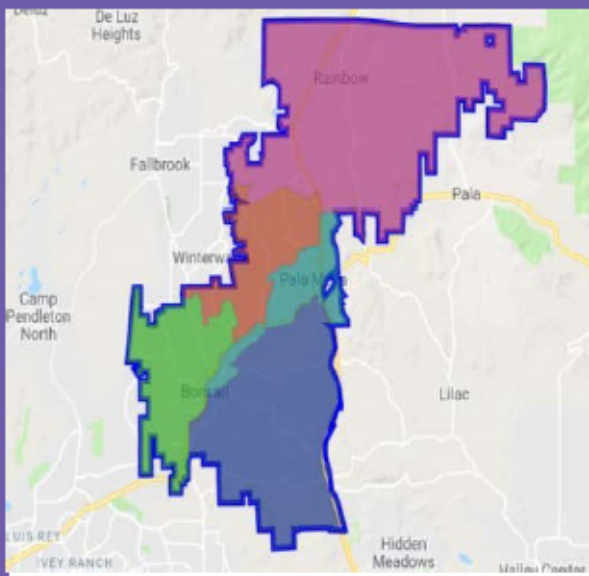
PROJECT MANAGER:
Robert Gutierrez

CIP ACCOUNT NO.:
600046

PROJECT DESCRIPTION:
District-wide installation water sampling ports to simplify testing for water quality for regulations.

PROJECT DIVISION LOCATION: District-wide

PROJECT BUDGET:
DESIGN=N/A
CONSTRUCTION=\$25,000
INSPECTION/CONSTRUCTION ENGINEERING= (IN-HOUSE)
CONTINGENCY=N/A
TOTAL=\$25,000



LOCATION

VICINITY MAP

(DISTRICT WIDE)

LIMITS OF PROJECT

PROJECT TITLE:
SAN LUIS REY IMPORTED RETURN FLOW RECOVERY

DEPARTMENT: Engineering
MASTER PLAN: N/A
CONDITION ASSESSMENT:

PROJECT TYPE:
Water

ESTIMATED SCHEDULE:
Spring 2024

FUNDING SOURCE:
Water Fund

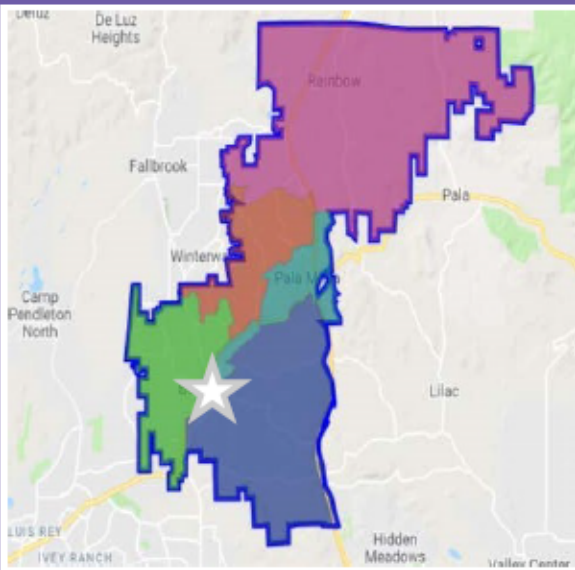
PROJECT MANAGER:
Steve Strapac

CIP ACCOUNT NO.:
600003

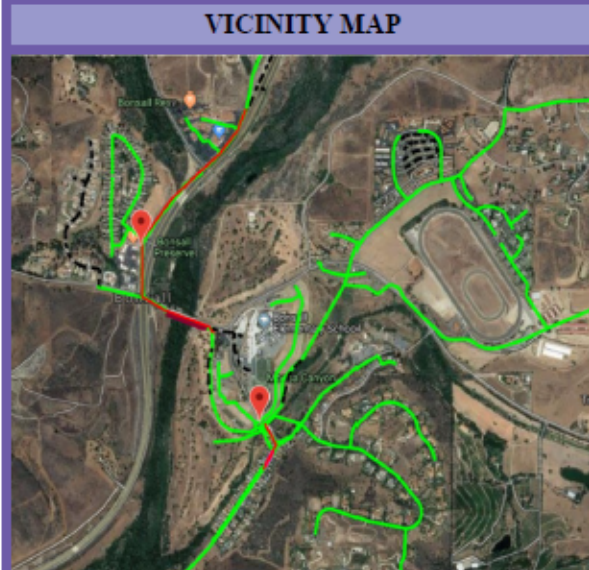
PROJECT DESCRIPTION:
Study the feasibility of capturing return flows from irrigation and septic systems.

PROJECT DIVISION LOCATION: Divisions 1, 2, 3, 4 & 5 (DISTRICT WIDE)

PROJECT BUDGET:
STUDY=\$600,000



LOCATION



LIMITS OF PROJECT

PROJECT TITLE:
SCHOOL HOUSE LS REPL/SLR INTERCEPTOR

DEPARTMENT: Engineering
MASTER PLAN: N/A
CONDITION ASSESSMENT: N/A

PROJECT TYPE:
Wastewater

ESTIMATED SCHEDULE:
DESIGN - In Progress
CONSTRUCTION - Winter 2020

FUNDING SOURCE:
Wastewater Fund

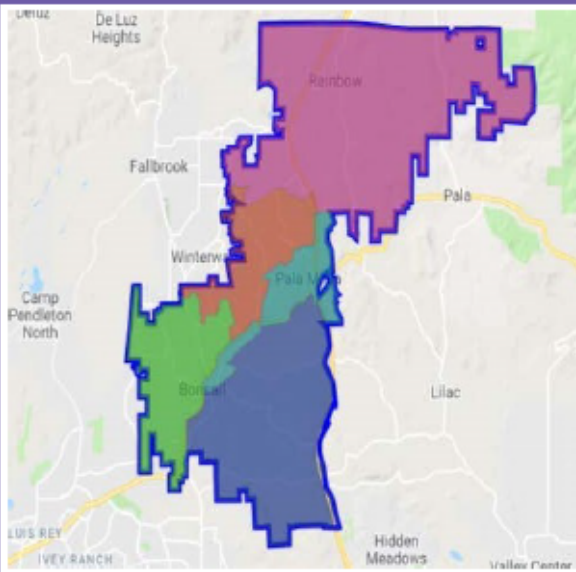
PROJECT MANAGER:
Michael Powers

CIP ACCOUNT NO.:
530001

PROJECT DESCRIPTION:
Upsize 2,600 ft of 12" pipe along Hwy 76, Construct Thoroughbred Lift Station, force main crossing San Luis Rey River, Schoolhouse Lift Station, and replacement gravity main on Old River Road.

PROJECT DIVISION LOCATION: Divisions 1, 2, and 4

PROJECT BUDGET:
DESIGN=\$1,440,000
CONSTRUCTION=\$6,060,000
INSPECTION/CONSTRUCTION ENGINEERING= \$500,000
CONTINGENCY=\$1,000,000
TOTAL=\$9,000,000



LOCATION

VICINITY MAP

(DISTRICT WIDE)

LIMITS OF PROJECT

PROJECT TITLE:
SEWER SYSTEM CONDITION ASSESSMENT PROGRAM

DEPARTMENT: Engineering
MASTER PLAN: S7
CONDITION ASSESSMENT: N/A

PROJECT TYPE:
Wastewater

ESTIMATED SCHEDULE:
DESIGN - Fall 2020
CONSTRUCTION - N/A

FUNDING SOURCE:
Wastewater Fund

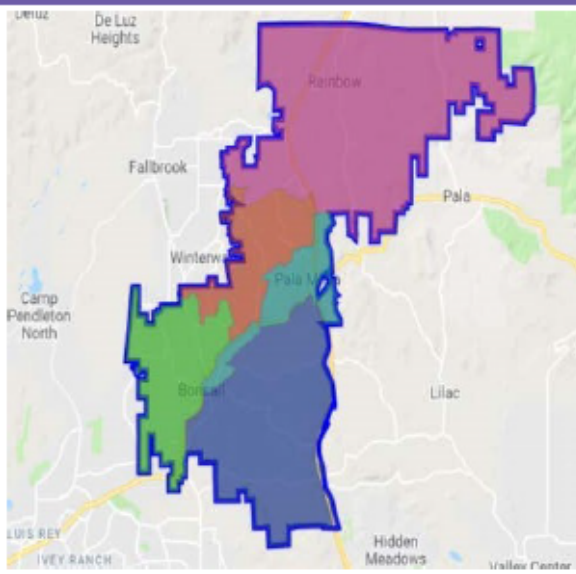
PROJECT MANAGER:
Michael Powers

CIP ACCOUNT NO.:
530015

PROJECT DESCRIPTION:
District-wide assessment of Wastewater facilities to prioritize rehabilitation and replacement projects.

PROJECT DIVISION LOCATION: District-wide

PROJECT BUDGET:
DESIGN=\$400,000
CONSTRUCTION=N/A
INSPECTION/CONSTRUCTION ENGINEERING= N/A
CONTINGENCY=N/A
TOTAL=\$400,000



LOCATION

VICINITY MAP

(DISTRICT WIDE)

LIMITS OF PROJECT

PROJECT TITLE:
SEWER SYSTEM REHABILITATION PROGRAM

DEPARTMENT: Operations
MASTER PLAN: N/A
CONDITION ASSESSMENT: N/A

PROJECT TYPE:
Wastewater

ESTIMATED SCHEDULE:
DESIGN - Ongoing
CONSTRUCTION - Ongoing

FUNDING SOURCE:
Wastewater Fund

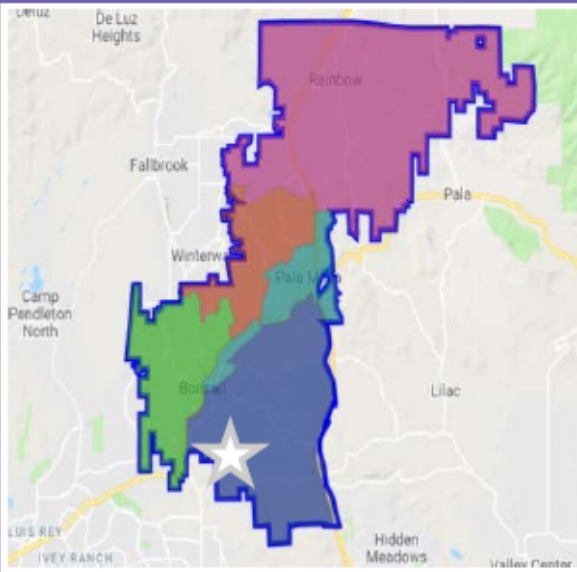
PROJECT MANAGER:
Robert Gutierrez

CIP ACCOUNT NO.:
530006

PROJECT DESCRIPTION:
District-wide installation of improvements to existing wastewater infrastructure.

PROJECT DIVISION LOCATION: District-wide

PROJECT BUDGET:
DESIGN=(IN-HOUSE)
CONSTRUCTION=\$100,000 per year
INSPECTION/CONSTRUCTION ENGINEERING= (IN-HOUSE)
CONTINGENCY=N/A
TOTAL=\$100,000 per year



LOCATION



LIMITS OF PROJECT

PROJECT TITLE:
THIBODO 632

DEPARTMENT: Engineering
MASTER PLAN: N/A
CONDITION ASSESSMENT: #13

PROJECT TYPE:
Water

ESTIMATED SCHEDULE:
DESIGN - In Progress
CONSTRUCTION - 2023

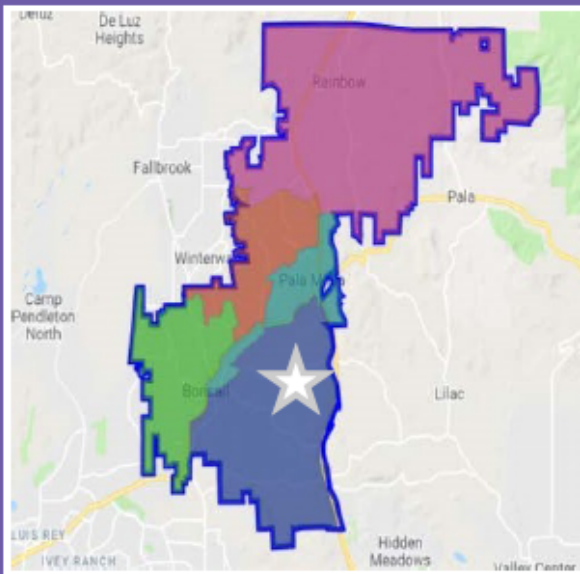
FUNDING SOURCE:
Water Fund

PROJECT MANAGER:
Michael Powers

PROJECT DESCRIPTION:
Replacement or rehabilitation of 930' of 6" pipe off of Little Gopher Canyon Road.

PROJECT DIVISION LOCATION: Division 1

PROJECT BUDGET:
DESIGN=\$52,000
CONSTRUCTION=\$337,000
INSPECTION/CONSTRUCTION ENGINEERING= (IN-HOUSE)
CONTINGENCY=\$38,000
TOTAL=\$427,000



LOCATION



VICINITY MAP

LIMITS OF PROJECT

PROJECT TITLE:
TURNER PUMP STATION

DEPARTMENT: Engineering
MASTER PLAN: WR10
CONDITION ASSESSMENT: N/A

PROJECT TYPE:
Water

ESTIMATED SCHEDULE:
DESIGN - Summer 2020
CONSTRUCTION - Spring 2021

FUNDING SOURCE:
Water Fund

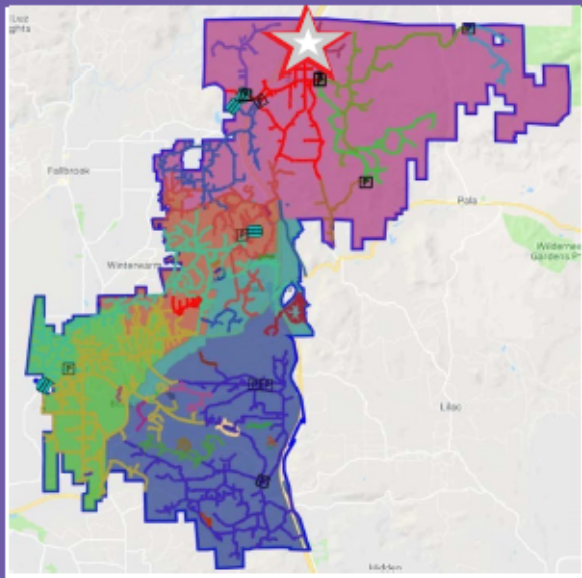
PROJECT MANAGER:
Michael Powers

CIP ACCOUNT NO.:
600013

PROJECT DESCRIPTION:
Construct a permanent PS near Camino Del Rey and Moosa Creek to move water to the southern part of the District.

PROJECT DIVISION LOCATION: Division 1

PROJECT BUDGET:
DESIGN=\$50,000
CONSTRUCTION=\$1,150,000
INSPECTION/CONSTRUCTION ENGINEERING= \$100,000
CONTINGENCY=\$100,000
TOTAL=\$1,400,000



LOCATION

VICINITY MAP



LIMITS OF PROJECT

PROJECT TITLE:
VALLECITOS PS REPLACEMENT

DEPARTMENT: Engineering
MASTER PLAN: WR2
CONDITION ASSESSMENT: N/A

PROJECT TYPE:
Water

ESTIMATED SCHEDULE:
DESIGN - Winter 2020
CONSTRUCTION - Summer 2022

FUNDING SOURCE:
Water Fund

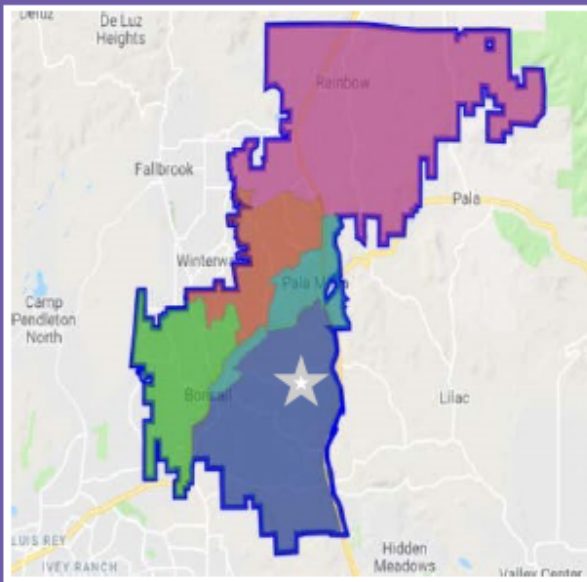
PROJECT MANAGER:
Malik Tamimi

CIP ACCOUNT NO.:
600040

PROJECT DESCRIPTION:
Replacement of the existing Vallecitos PS and removal of inoperable equipment.

PROJECT DIVISION LOCATION: Division 5

PROJECT BUDGET:
DESIGN=\$150,000
CONSTRUCTION=\$777,000
INSPECTION/CONSTRUCTION ENGINEERING= (IN-HOUSE)
CONTINGENCY=\$103,000
TOTAL=\$1,030,000



LOCATION



VICINITY MAP

LIMITS OF PROJECT

PROJECT TITLE:
VIA ARARAT DRIVE WATERLINE PROJECT

DEPARTMENT: Engineering
MASTER PLAN: WR15
CONDITION ASSESSMENT: N/A

PROJECT TYPE:
Water

ESTIMATED SCHEDULE:
DESIGN - Spring 2019
CONSTRUCTION - *****COMPLETE*****
AS OF 3/24/2020

FUNDING SOURCE:
Water Fund

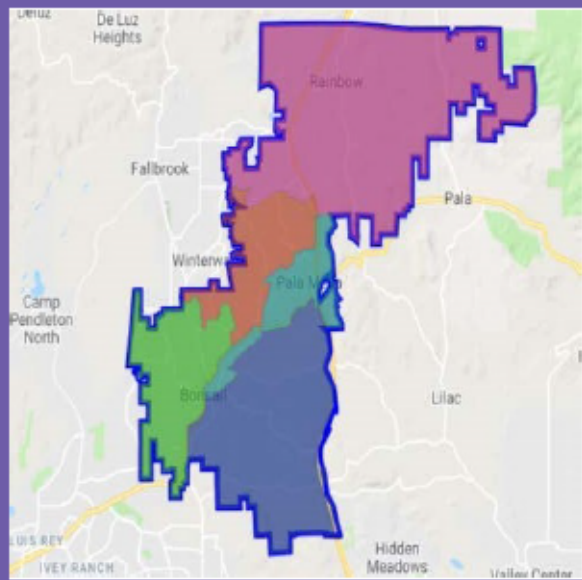
PROJECT MANAGER:
Steve Strapac

CIP ACCOUNT NO.:
600029

PROJECT DESCRIPTION:
Install 665 ft of 12" PVC pipe to increase connectivity in the South Zone of the District.

PROJECT DIVISION LOCATION: Division 1

PROJECT BUDGET:
DESIGN=(IN-HOUSE)
CONSTRUCTION=\$235,662
INSPECTION/CONSTRUCTION ENGINEERING= (IN-HOUSE)
CONTINENCY=N/A
TOTAL=\$350,000



LOCATION

VICINITY MAP

(DISTRICT WIDE)

LIMITS OF PROJECT

PROJECT TITLE:
WATER SUPPLIER ASSESSMENT

DEPARTMENT: Engineering
MASTER PLAN:
CONDITION ASSESSMENT: N/A

PROJECT TYPE:
Water

ESTIMATED SCHEDULE:
DESIGN - In Progress
CONSTRUCTION - N/A

FUNDING SOURCE:
Water Fund

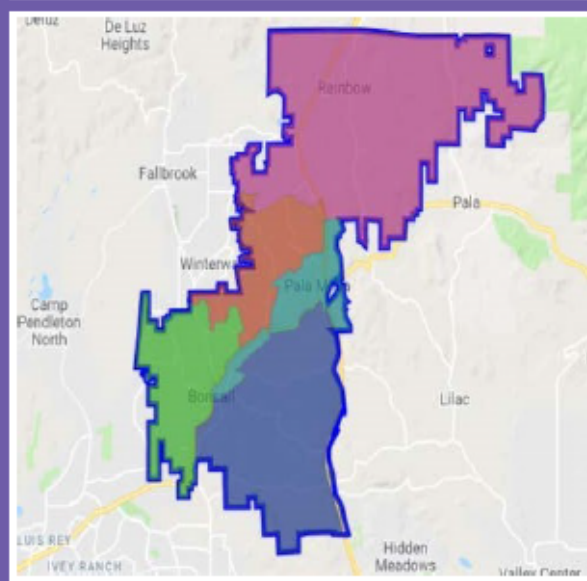
PROJECT MANAGER:
Steve Strapac

CIP ACCOUNT NO.:
100038

PROJECT DESCRIPTION:
This project is the analyses of the existing water distribution system using the MWD connections, and not using the SDCWA connections

PROJECT DIVISION LOCATION: (District Wide)

PROJECT BUDGET:
DESIGN=N/A
CONSTRUCTION=\$35,000
INSPECTION/CONSTRUCTION ENGINEERING=N/A
CONTINGENCY=N/A
TOTAL=\$35,000



LOCATION

VICINITY MAP

(DISTRICT WIDE)

LIMITS OF PROJECT

PROJECT TITLE:
WATER SYSTEM MONITORING PROGRAM

ESTIMATED SCHEDULE:
DESIGN - Complete
CONSTRUCTION - SPRING 2023

DEPARTMENT: Operations
MASTER PLAN: N/A
CONDITION ASSESSMENT: N/A

FUNDING SOURCE:
Water Fund

PROJECT MANAGER:
Robert Gutierrez

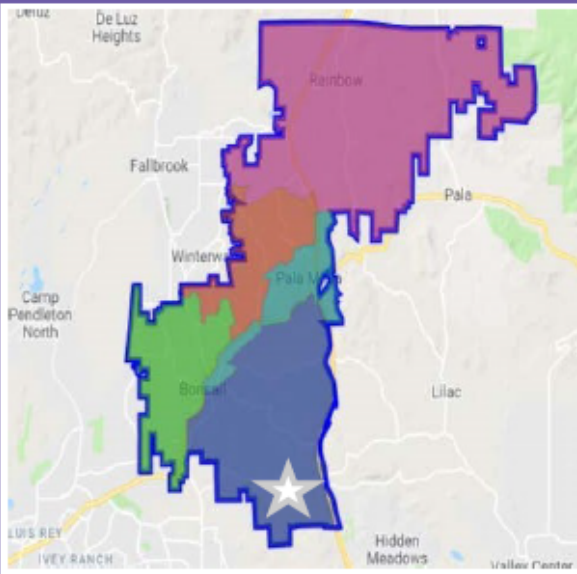
PROJECT TYPE:
Water

CIP ACCOUNT NO.:
600019

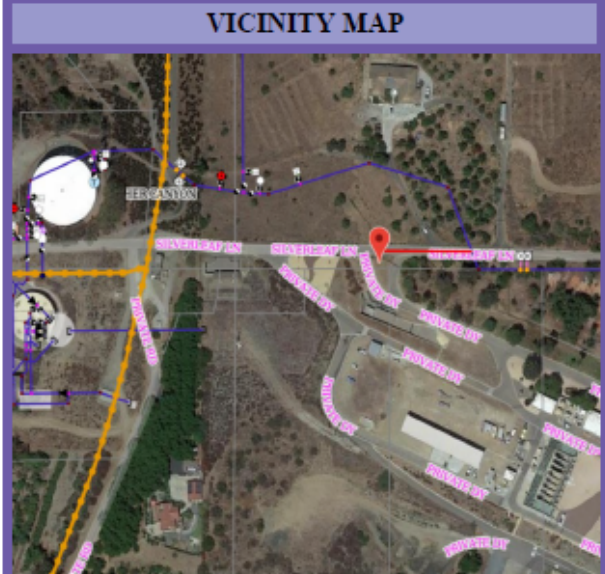
PROJECT DESCRIPTION:
District-wide upgrades to SCADA controls and communications equipment.

PROJECT DIVISION LOCATION: District-wide

PROJECT BUDGET:
DESIGN=N/A
CONSTRUCTION=\$1,275,000
INSPECTION/CONSTRUCTION ENGINEERING= (IN-HOUSE)
CONTINENCY=N/A
TOTAL=\$1,275,000



LOCATION



VICINITY MAP

LIMITS OF PROJECT

PROJECT TITLE:
WEESE TREATMENT PLANT INTERCONNECT PUMP STATION

DEPARTMENT: Engineering
MASTER PLAN: N/A
CONDITION ASSESSMENT: N/A

PROJECT TYPE:
Water

ESTIMATED SCHEDULE:
DESIGN - In Progress
CONSTRUCTION - In progress

FUNDING SOURCE:
Water Fund

PROJECT MANAGER:
Operations

CIP ACCOUNT NO.:
600008

PROJECT DESCRIPTION:
Construct a pump station to pull water from Oceanside's Weese WTP into RMWD's South Zone.

PROJECT DIVISION LOCATION: District-wide

PROJECT BUDGET:
DESIGN=\$310,000
CONSTRUCTION=\$1,250,000
INSPECTION/CONSTRUCTION ENGINEERING= (IN-HOUSE)
CONTINGENCY=\$220,000
TOTAL=\$1,780,000

PERSONNEL SUMMARIES

STAFFING ANALYSIS

EXECUTIVE SUMMARY

The current workforce consists of 57 full-time positions and one part-time position to serve the District's 8,200 water service connections and more than 4,900 sewer connections. There are also three full-time temporary employees working on the Water Service Upgrade (WSUP) project. New service connections have slowed down to 93 new water meters in 2019, compared to 479 in 2018, and 70 new sewer EDUs, compared to 854 additions in the previous year.

Staffing challenges over the past year included a 50-year low unemployment rate of 2.8% in the San Diego area as of December 2019, which impacted turnover, recruiting capacity, and competitive wages. In December 2019, the Board approved several staffing changes to improve efficiency, mitigate risk, and improve service to our customers. These changes offered rate payers increased customer service capacity and improved financial controls, the management staff identified other areas to reduce the budget to offset the fiscal impact of the staffing changes, preventing a direct impact on rates. These changes included:

- Adding a **Senior Accountant** position to the Finance Department.
- Reclassifying the Customer Service Supervisor position to a **Customer Service and Communications Supervisor**, which also handles public relations.
- Reclassifying the Administrative Analyst position to an **Information Systems Specialist** series classification.
- Reclassifying the Senior Information Technology and Applications Analyst position as an **Information Technology Manager**.
- Creating an IT Department that includes the Information Technology Manager, Information Systems Specialist, Technical Services Lead, and Electrical Technician classifications.
- Reclassifying the Environmental Health and Safety Officer to **Risk Management Officer**.

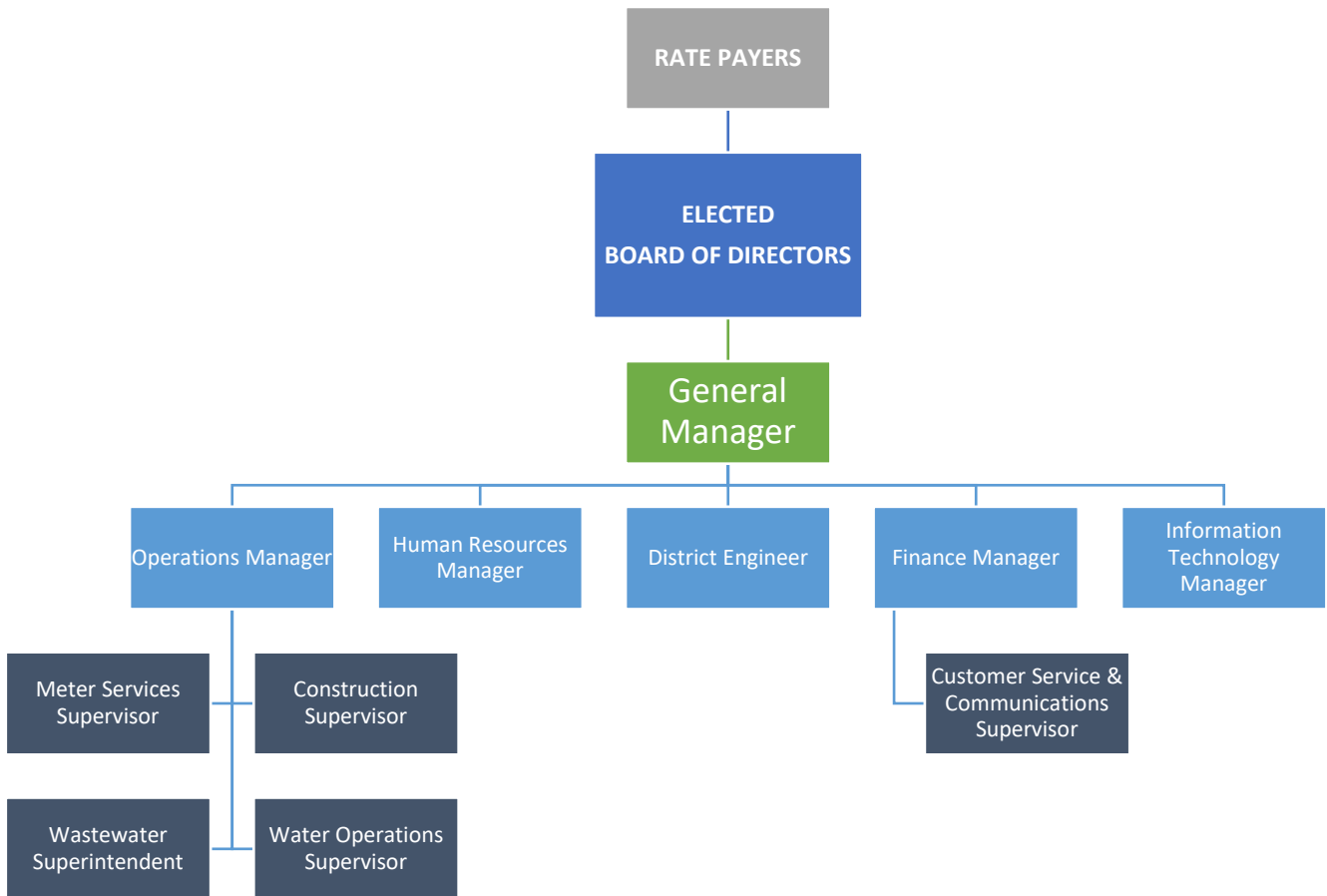
As with the rest of the world, the most unexpected impact on staffing this year has been the COVID-19 global pandemic. The District responded rapidly by implementing remote work, masks, social distancing, dispatching from home, staggered shifts, and contact tracing protocols to protect employees to the extent possible while still delivering vital water and wastewater service to our customers. Employment interviews have been conducted by video conference. As the pandemic is ongoing, the long-term implications on staffing are uncertain.

This report will provide analysis of staffing conditions in 2019 and early 2020, including actual and projected turnover, recruitment, projected retirements, and overtime trends. Due to the low projected water sales, no changes to staffing levels are recommended for the 2020-2021 fiscal year.

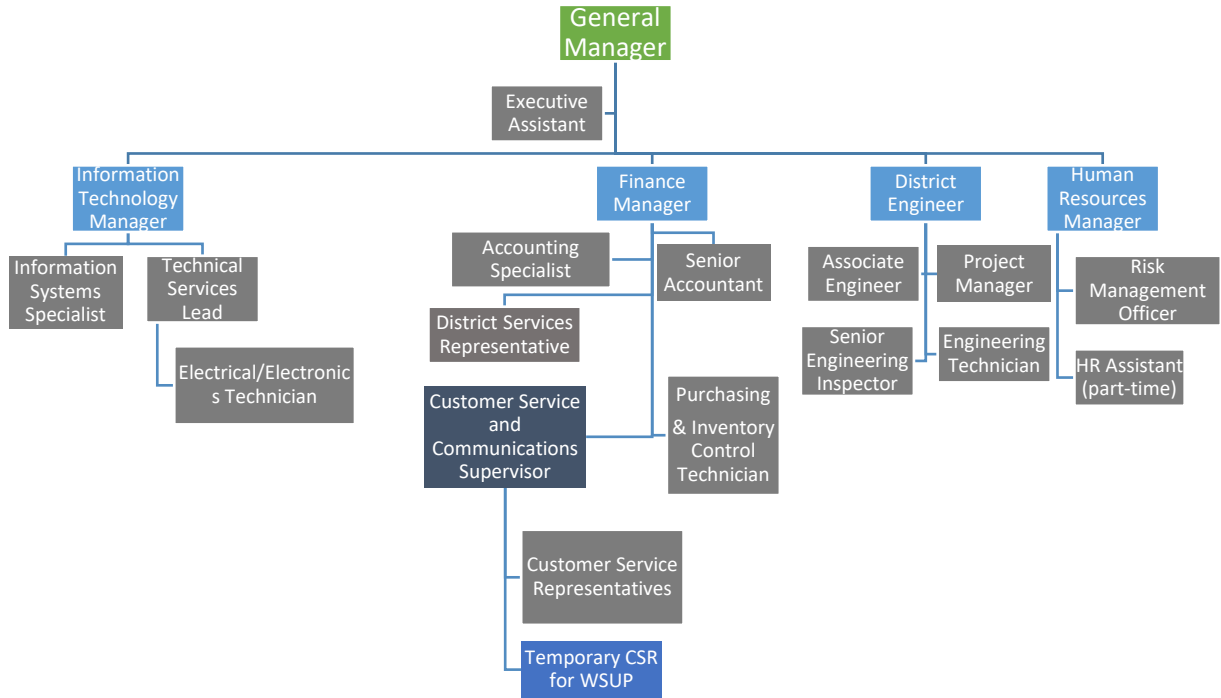
CURRENT AND FUTURE STAFFING LEVELS

The Rainbow Municipal Water District is governed by a Board of Directors composed of five members who are elected by divisions of the District for four-year alternating terms, with the President being elected by the Board from among its members. The Board of Directors hires legal counsel and the General Manager. Operation, maintenance, and administration of the system is carried out under the direction of the General Manager, Tom Kennedy.

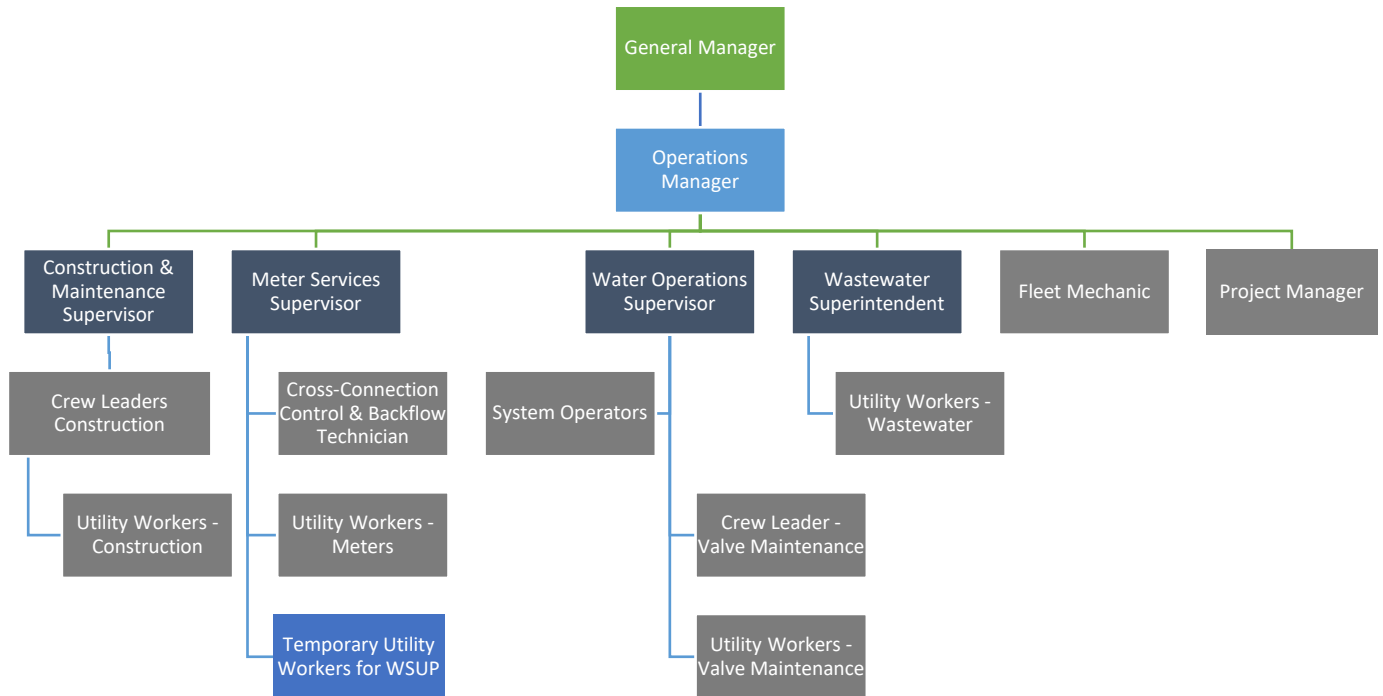
DISTRICT LEADERSHIP ORGANIZATIONAL CHART



NON-OPERATIONS



OPERATIONS GROUP



DISTRICT FULL-TIME-EQUIVALENT EMPLOYEE COMPLEMENT

DEPARTMENT / POSITION	FY 19-20 FTEs	FY 20-21 FTEs Projected
ADMINISTRATION		
General Manager	1	1
Executive Assistant/Board Secretary	1	1
Administrative Analyst (reclassified)	1	-
Administration Total	3	2
INFORMATION TECHNOLOGY		
Information Technology Manager (new)	-	1
Sr. IT and Applications Analyst (reclassified)	1	-
Information Systems Specialist III (new)	1	1
Technical Services Lead (transfer from Operations)	-	1
Electrical/Electronics Technician (transfer from Operations)	-	1
Information Technology Total	2	4
HUMAN RESOURCES		
Human Resources Manager	1	1
Human Resources Assistant (part time)	.5	.5
Environmental Health and Safety Officer (reclassified)	1	-
Risk Management Officer (new)	-	1
Administration Total	2.5	2.5
ENGINEERING		
District Engineer	1	1
Associate Engineer	1	1
Project Manager	1	1
Engineering Technician	1	1
Senior Inspector	1	1
Administrative Assistant (retired)	.5	-
Right-of-Way and Facilities Coordinator (reclassified to Operations)	1	-
Engineering Total	6.5	5

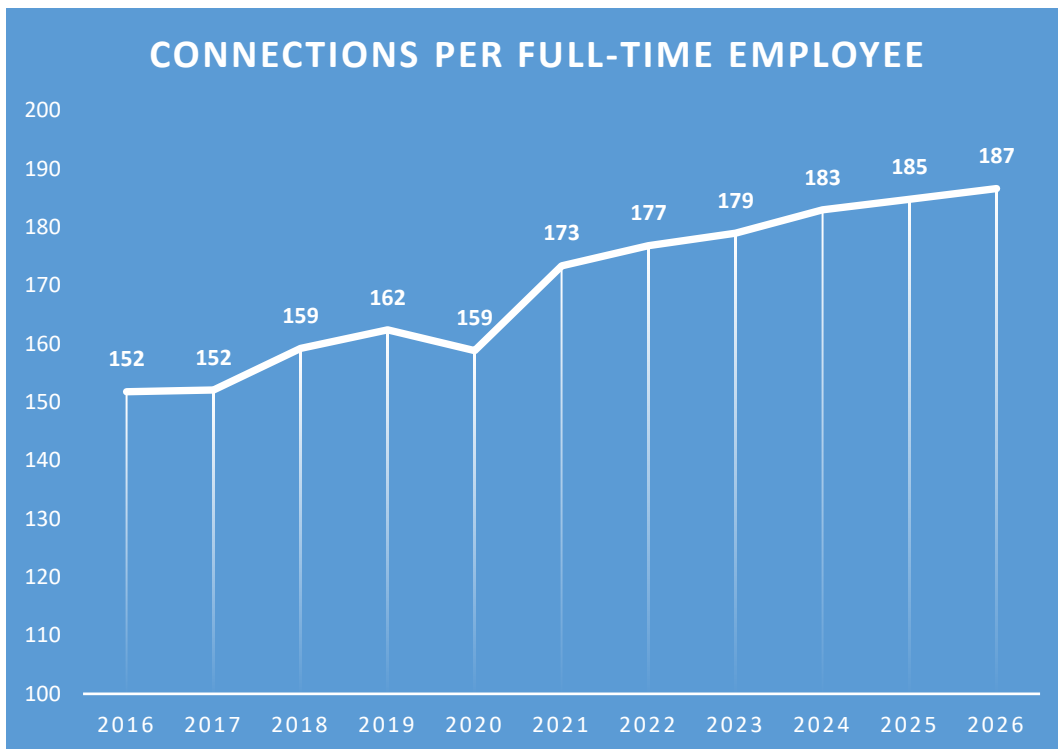
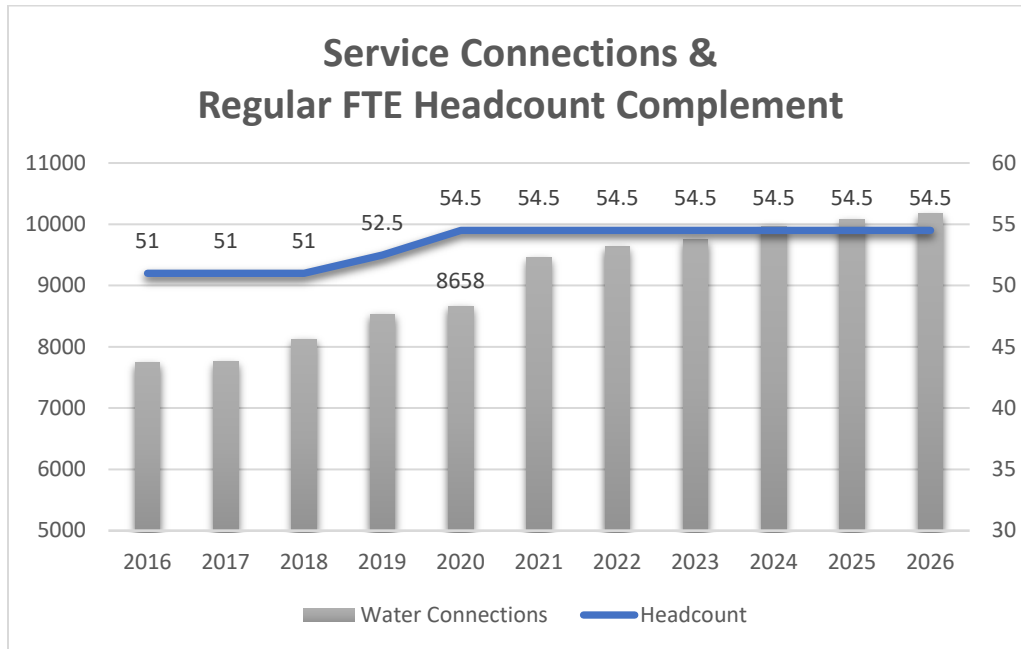
DEPARTMENT / POSITION	FY 19-20 FTEs	FY 20-21 FTEs Projected
FINANCE		
Finance Manager	1	1
Accounting Specialist	1	1
Senior Accountant (new)	-	1
District Services Representative (replaces Admin Assistant)	-	1
Purchasing and Inventory Control Specialist	1	1
Finance Total	3	5
Customer Service Supervisor (reclassified)	1	-
Customer Service and Communications Supervisor (new)	-	1
Customer Service Representatives	3	3
<i>Customer Service Representative (temporary for WSUP)</i>	<i>1</i>	<i>1</i>
Customer Service Total	5	5
FINANCE GROUP TOTAL	8	10
OPERATIONS		
Operations Manager	1	1
Administrative Assistant (retired)	.5	-
Technical Services Team Lead (transferred to IT)	1	-
Electrical / Electronics Technicians (transferred to IT)	1	-
Fleet Mechanic	1	1
Project Manager	-	1
Operations Support Total	4.5	3
Water System Operations Superintendent (retired)	1	-
Water System Operations Supervisor (new)	-	1
Lead Systems Operator	1	-
System Operators	3	4
Crew Leader - Valve Maintenance	1	1
Utility Workers - Valve Maintenance	3	3
Water System Operations Total	9	9
Wastewater Superintendent	1	1
Utility Workers - Wastewater	3	3
Wastewater Total	4	4
Construction & Maintenance Superintendent (reclassified)	1	-
Construction & Maintenance Supervisor (new)	-	1
Crew Leaders - Construction	2	2
Utility Workers - Construction	6	6
Construction & Maintenance Total	9	9

Meter Services Supervisor	1	1
Meters Crew Leader (reclassified)	1	-
Utility Workers – Meters	4	5
<i>Utility Workers – Meters (temporary for WSUP)</i>	2	2
Cross Connection Control and Backflow Technician	1	1
Meter Services Total	9	9
<hr/>		
OPERATIONS GROUP TOTAL	35.5	34
<hr/>		
DISTRICT TOTAL REGULAR FULL TIME EQUIVALENTS	54.5	54.5
<i>TOTAL TEMPORARY FULL TIME EQUIVALENTS</i>	3	3
<hr/>		
TOTAL STAFF COMPLEMENT	57.5	57.5
<hr/>		

FORECASTED CHANGES IN DRIVERS OF LABOR DEMANDS

DEVELOPER PROJECTIONS

Development growth is projected conservatively for the next three years, with a greater increase in 2023 and beyond.

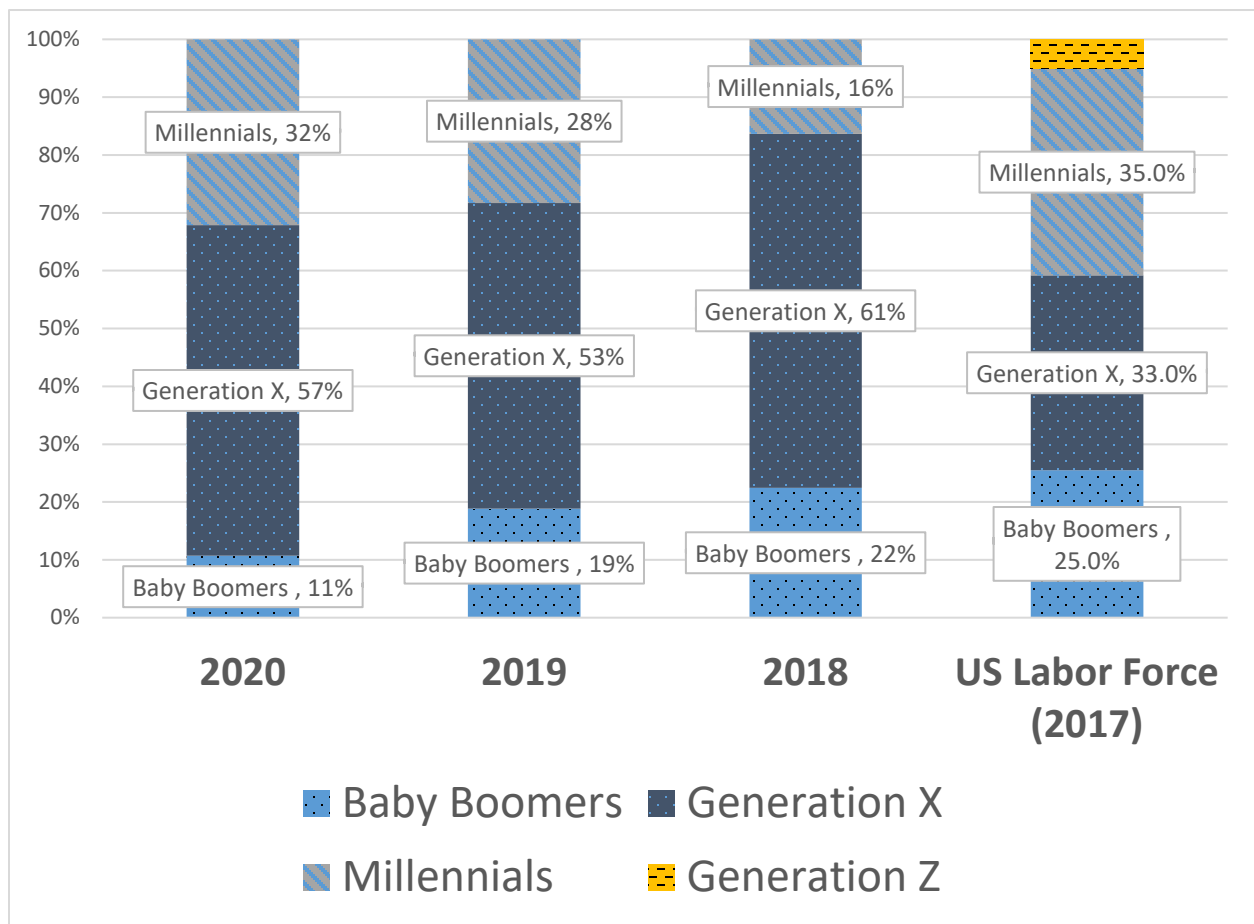


FORECASTED LABOR SUPPLY CHANGES

CHANGING WORKFORCE DEMOGRAPHICS AND RETIREMENTS

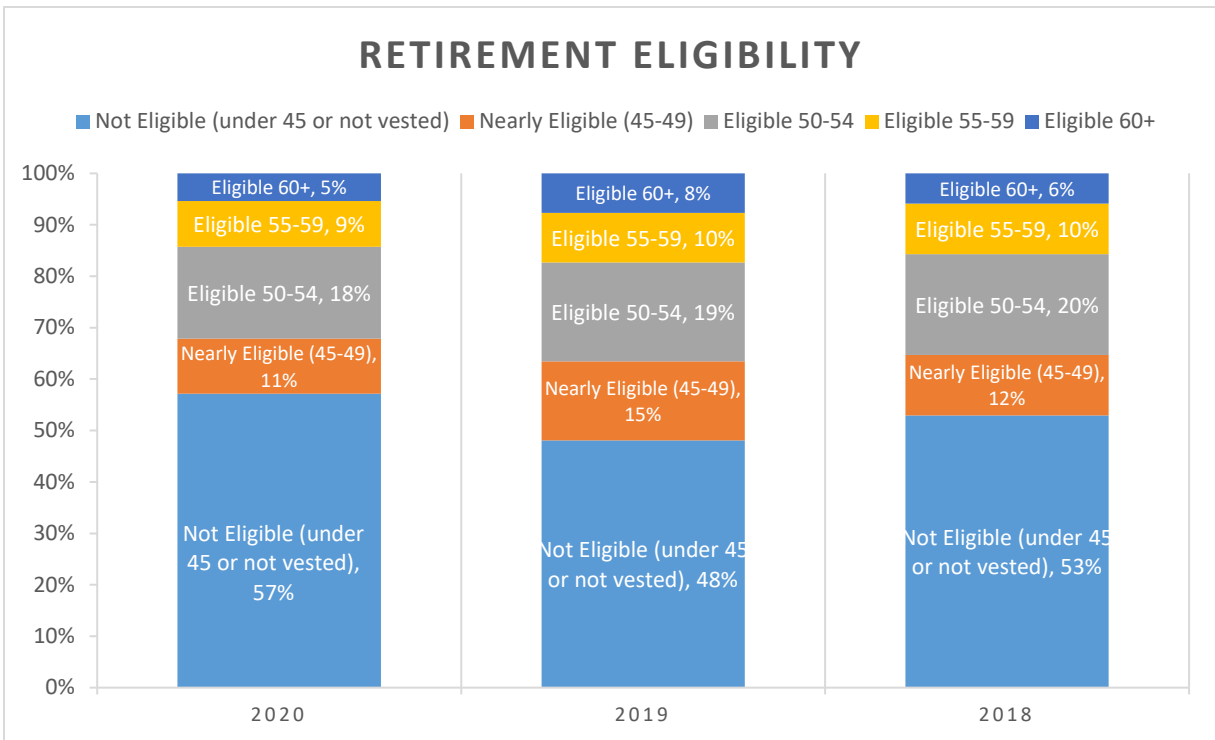
Over the past three years as more employees have retired, the generational demographics of the workforce has shifted to include more Millennials and fewer Baby Boomers and Generation X. The District will need to provide continuing training and development opportunities to this workforce contingent that are earlier in their careers.

GENERATIONAL MIX OF WORKFORCE



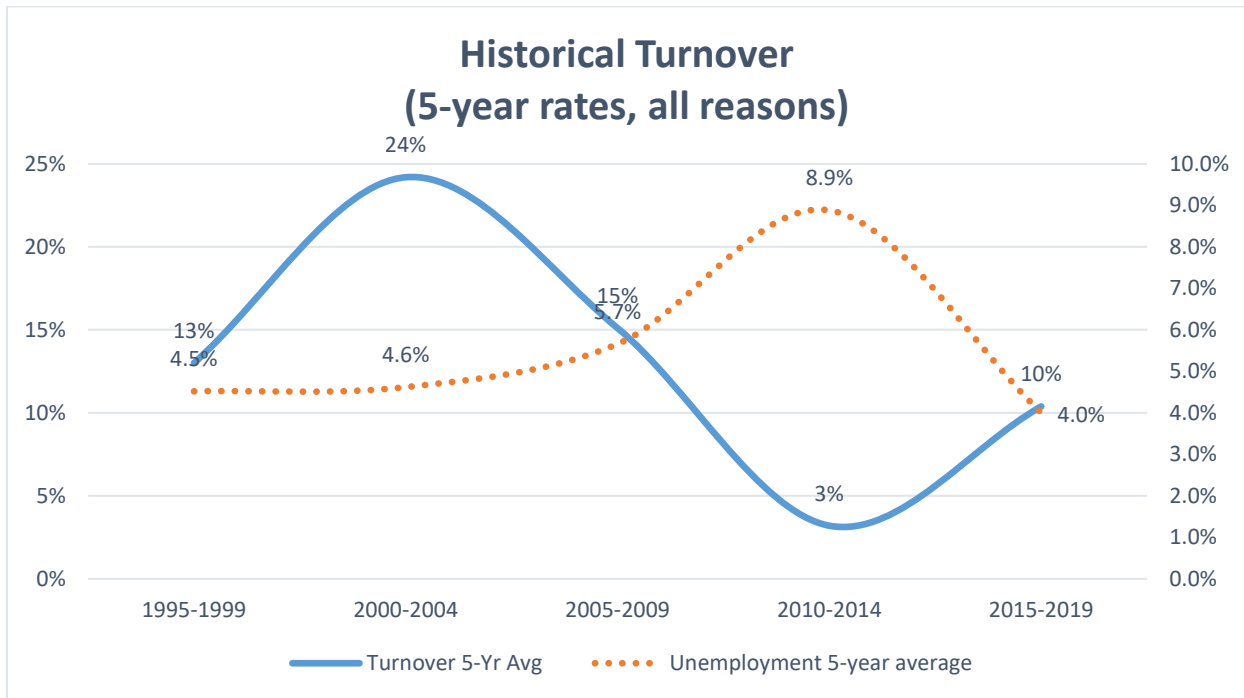
PROJECTED LABOR SUPPLY - RETIREMENT ELIGIBILITY

Another key factor in the future labor supply and projected turnover are the number of employees who are currently or will become eligible for retirement in the next five years. Currently, 14% of the workforce is eligible for full 2.5% retirement, and 32.2% are eligible to retire at either the full or reduced formula, and an additional 10.7% will be eligible within the next five years. Overall, the number of employees eligible or nearly eligible for retirement has declined by 9% in the past year.



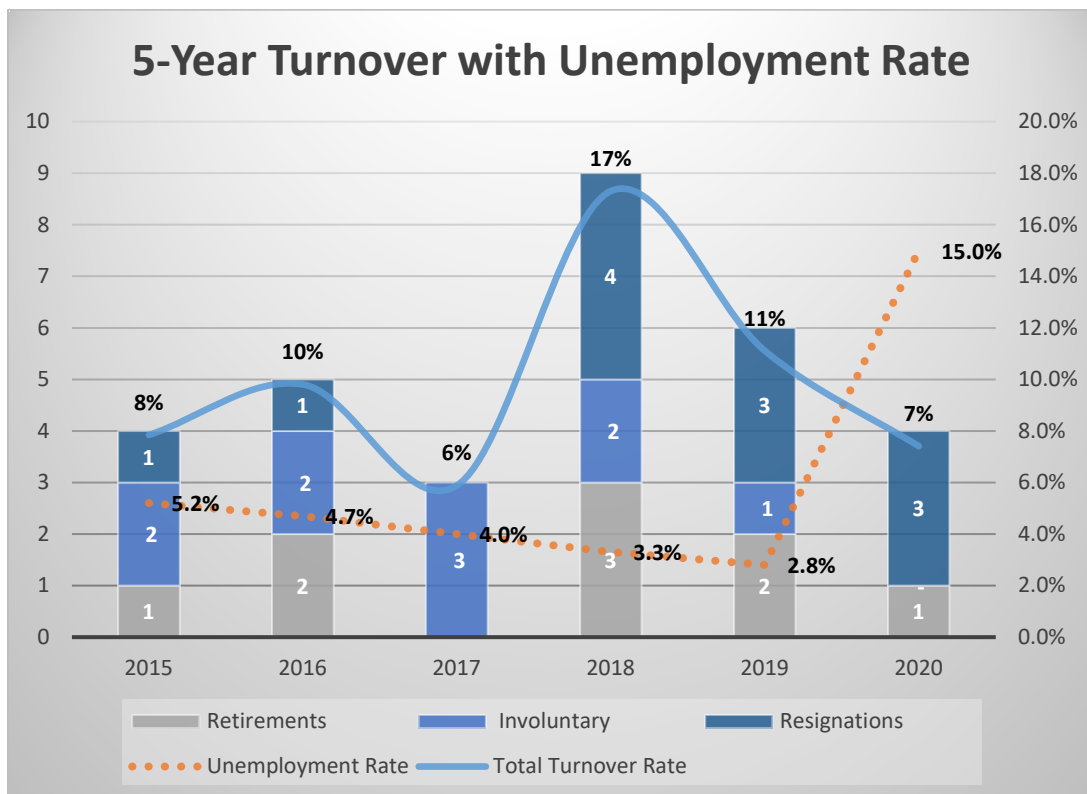
HISTORICAL TURNOVER

In addition to retirement eligibility, the District should be prepared for some level of non-retirement turnover each year. Historical turnover analysis shows several points of high turnover that were a result of the organizational conditions at the time, as well as labor market factors like the unemployment rate. The following charts display historical turnover since 1995, shown in conjunction with the unemployment rate. When looking at 5-year average turnover rates it is easy to see the inverse relationship between unemployment rates and total turnover.



RECENT TURNOVER

In 2019, the San Diego area unemployment rate continued to decline, reaching a 50-year low of 2.8% in December 2019. Voluntary turnover declined slightly in 2019 and continued that trend into the beginning of 2020. Though 2020 started off with a historic low turnover, the global coronavirus pandemic has led to a drastic increase in unemployment. So far, the only impact on District labor supply has been leaves of absence and employees temporarily out to self-isolate or seek testing. The longer term implications on labor supply remain unclear.

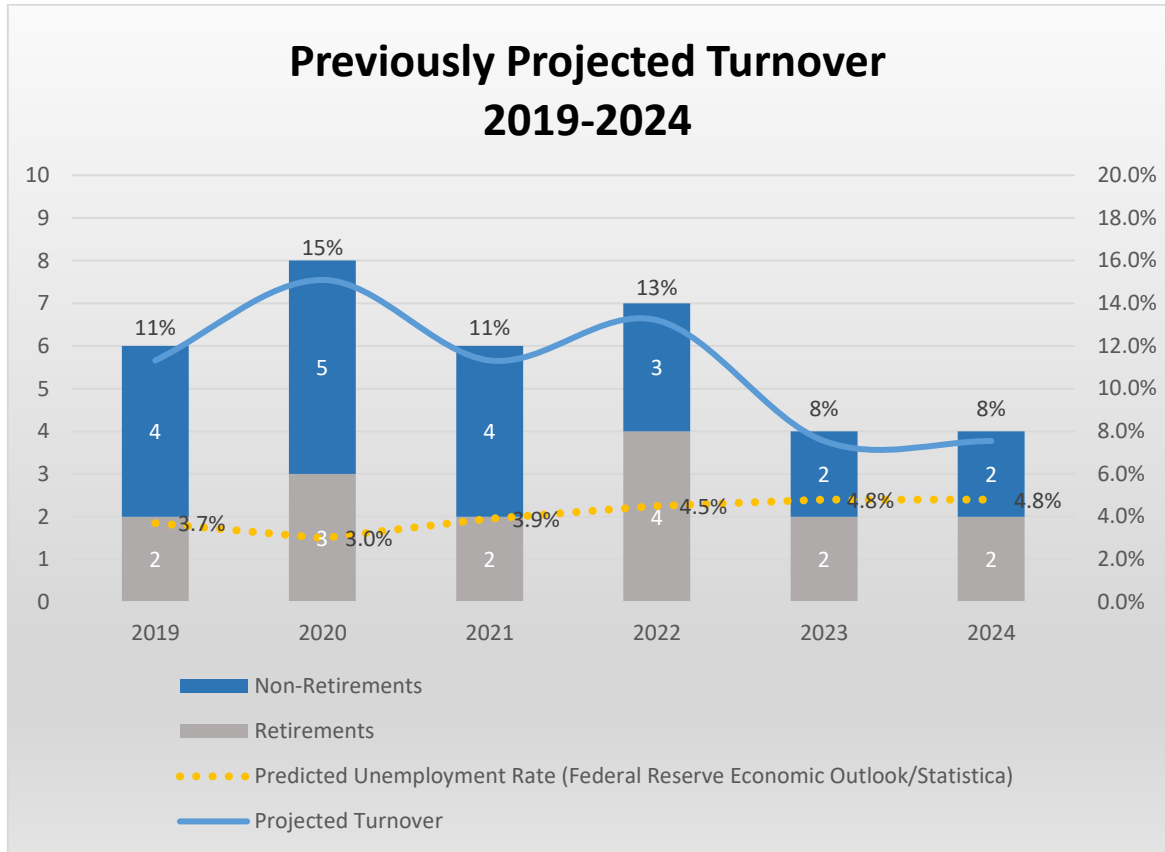


Data reported for 2020 is as of May 22, 2020.

Source: [https://www.labormarketinfo.edd.ca.gov/file/lfmonth/sand\\$pds.pdf](https://www.labormarketinfo.edd.ca.gov/file/lfmonth/sand$pds.pdf)

PROJECTED TURNOVER

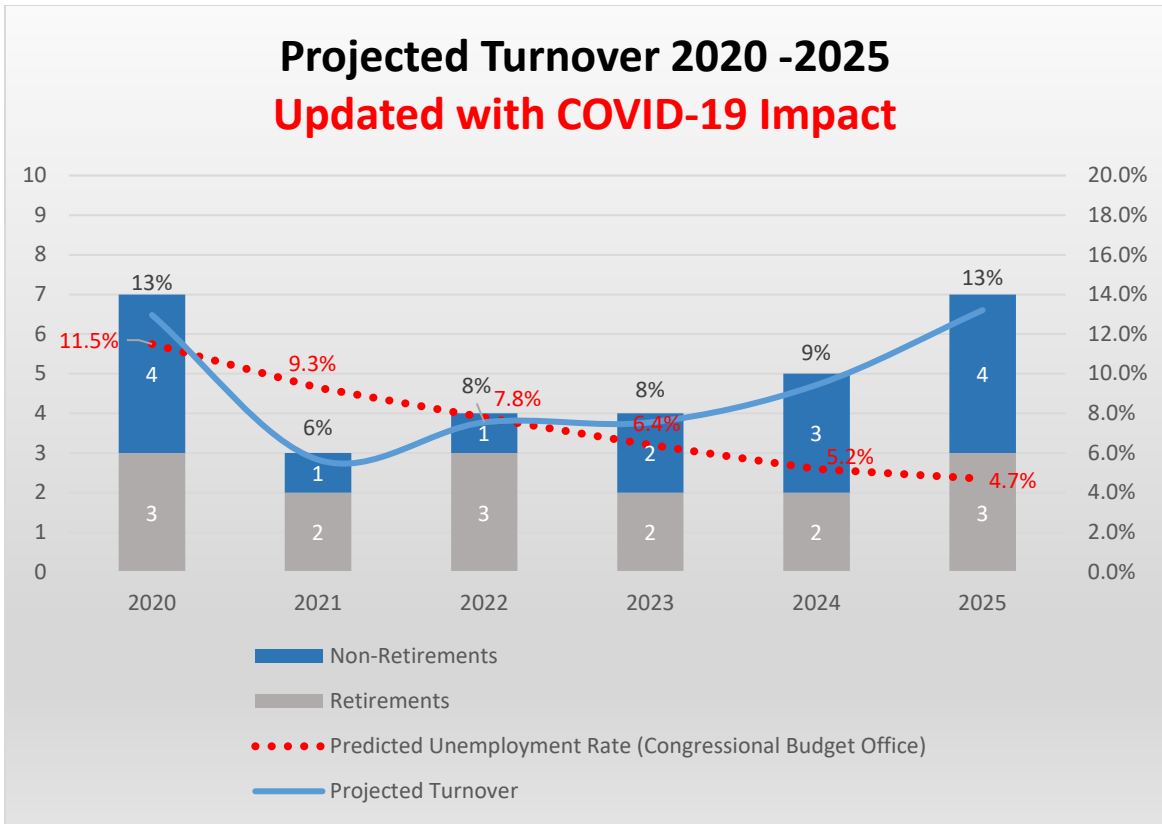
Unemployment rates had been expected to continue to be unusually low for at least two more years.



Projected unemployment rate data sources: Federal Reserve Economic Outlook report (2019-2020 projection); Statistica (2021-2024 projection)

However, the global coronavirus pandemic has resulted in a sudden sharp increase in unemployment. Though the exact impact to District turnover are still unclear, the projected turnover numbers have been adjusted to reflect changes in retirement eligibility demographics as well as the changes in unemployment rates.

The Congressional Budget Office has issued updated unemployment projections for 2020 and 2021, however projections beyond 2021 have not been published. The unemployment projections used for 2022 and beyond are following the San Diego area employment recovery trend of the last recession. Future projections will be adjusted when the independent data becomes available.



Source: <https://www.cbo.gov/system/files/2020-05/56351-CBO-interim-projections.pdf>

CLOSING THE GAP: SUMMARY OF RECOMMENDATIONS

In support of the District’s Strategic Plan, continuing workforce development will be integral to meeting future labor and skills demands. The impact of COVID-19 is still largely unknown when it comes to recruitment and retention. Historically, high unemployment reduces turnover. However, District employees are part of the “essential worker” labor pool, which is affected differently than other sectors. While there are no recommendations for additional staff during this fiscal year, staff recommends focusing on the following priorities:

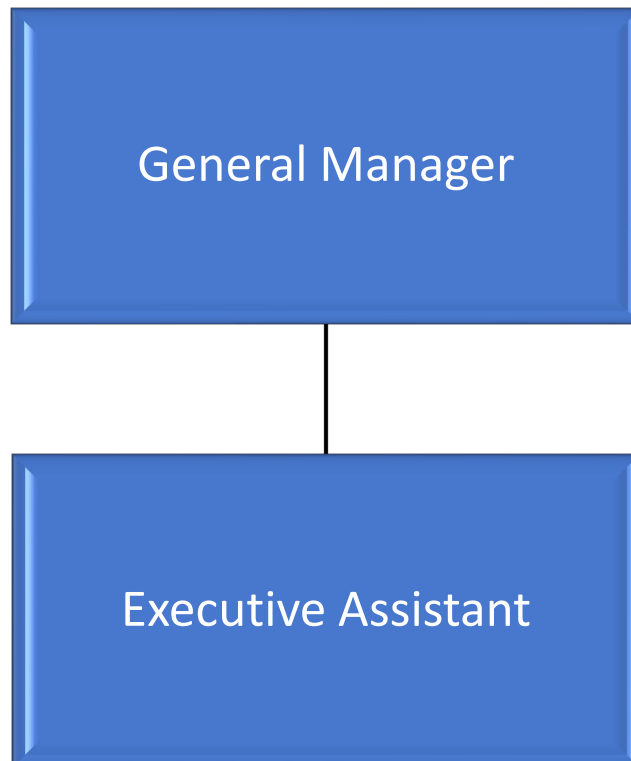
1. **CULTURE:** The District has established an Employee Action Team that worked with a consultant to create a plan to address the areas identified as opportunities for improvement in an employee culture survey. Steps recommended and taken include:
 - a. **STRENGTHENING RELATIONSHIPS:** Began the practice of regular one-on-one meetings between each employee and their direct supervisor on a weekly or biweekly basis. The meetings are employee-driven so that they have the opportunity to share concerns, successes, and have a dedicated time to ask questions of their supervisor without needing to request a meeting.
 - b. **TEAM BUILDING:** Monthly All-Hands meetings now include activities to recognize employees, review policies, or conduct mini trainings that are engaging and promote a sense of camaraderie.
 - c. **360 FEEDBACK FOR LEADERSHIP:** Each person on the District’s leadership team went through a 360-feedback evaluation process, followed by a consultation with a coach to help them understand how their behaviors were received by their peers and direct reports.
 - d. **ONBOARDING:** Design an onboarding education program that includes more District procedures, software training, water industry education, and connecting with team members across the District.
 - e. **INBOARDING:** Discuss policy changes and review existing policies during Senior Staff Meetings and All-Hands meetings.
 - f. **EMPLOYEE COMMUNICATION:** Created an internal employee newsletter, Under the Rainbow, as a tool to welcome new team members, recognize employees, and update staff on the Board’s decisions, the status of projects, and policies that may impact the workforce.

2. **SUCCESSION PLANNING AND CROSS TRAINING:** The District’s succession plan is reviewed and updated annually to prepare employees for promotional opportunities as other employees retire or leave the District. In addition, when the COVID-19 pandemic started, the District created a succession plan to maintain continuity of operations in the event that one or several employees are unable to work due to a COVID-19 diagnosis or quarantine. This plan will be used to prioritize cross-training needs across the District to ensure staff can fill in where they may be needed.

3. LABOR AGREEMENT RENEWALS: The District's Memoranda of Understanding with the three bargaining units are due for renewal at the end of the 2020-2021 fiscal year. The District will need to balance a competitive compensation and benefits package that can aid with recruitment and retention, against the constraints of budgetary limitations.

ADMINISTRATION DEPARTMENT

Personnel Level:				
<u>Position(s)</u>	<u>2017-2018</u>	<u>2018-2019</u>	<u>2019-2020</u>	<u>2020-2021</u>
General Manager	1.00	1.00	1.00	1.00
Executive Secretary	1.00	1.00	1.00	1.00
Administrative Analyst	1.00	1.00	0.00	0.00
IT Analyst	1.00	1.00	0.00	0.00
Department Total	4.00	4.00	2.00	2.00



Administration Responsibilities:

The Administration department encompasses the General Manager and Executive Assistant/Board Secretary.

The Administration Department is responsible for the day-to-day administrative tasks associated with managing the District. This involves serving the needs of the Board of Directors, connecting with the public by continually providing updates on District matters, building and preserving relationships between staff, Board of Directors, public members, and outside agencies for accountability and transparency, as well as elevating the District's reputation in local and statewide political circles as an employer of choice.

The General Manager (GM), Tom Kennedy oversees the responsibility for District policy development and activities; including water resources planning, water distribution, wastewater collection, treatment, disposal, fiscal management, administration, engineering, human resources, and total operation of District functions and programs. The position ensures District goals and objectives are accomplished, advises and provides recommendations to the Board, as well as implements the policies of the Board on an ongoing basis. The GM also develops and implements long and short-range plans to guarantee attainment of District strategic plan objectives.

Additionally, the GM interprets District regulations and ordinances, internal and regulatory codes, and applicable laws with direction from Legal Counsel; reviews and approves District contracts including negotiating contract terms and conditions; safeguards the District by assuring compliance with all contractual and legal requirements regarding the operations of the District.

The Executive Assistant/Board Secretary supports the Board of Directors, General Manager, and Human Resources Manager with a wide variety of advanced administrative duties. This position prepares materials and minutes for all Board and Standing Committee meetings; ensures the District Administrative Code, resolutions, and ordinances are properly updated, documented, and distributed; manages calendars; coordinates and schedules meetings; oversees workshop, conferences, training, and seminars accommodations including travel arrangements; maintains District official records; updates the District website per legal and accreditation requirements; onboards incoming new Directors; and protects the confidentiality of information privy to executive management.

Major Accomplishments: Fiscal Year 2019-2020

- The General Manager continued to serve as the CSDA San Diego Chapter President.
- Elected Board Members continued to participate in numerous conferences, training, and workshop as a means of keeping themselves apprised of current and relative matters related to or impacting both the water and wastewater industries.
- Continual updates were made to the Administrative Code to align with current processes and procedures.
- Started implementing an updated process for tracking revisions to the Administrative Code.
- Completed the application process for the CSDA District Transparency Certificate of Excellence and was awarded the accreditation in 2019.
- Completed the application process for the District of Distinction and was awarded the accreditation in 2020.
- Implemented and continued to operate a successful work from home program and teleconference public meeting process in response to the Government's executive orders related to the COVID-19 pandemic outbreak in March 2020.

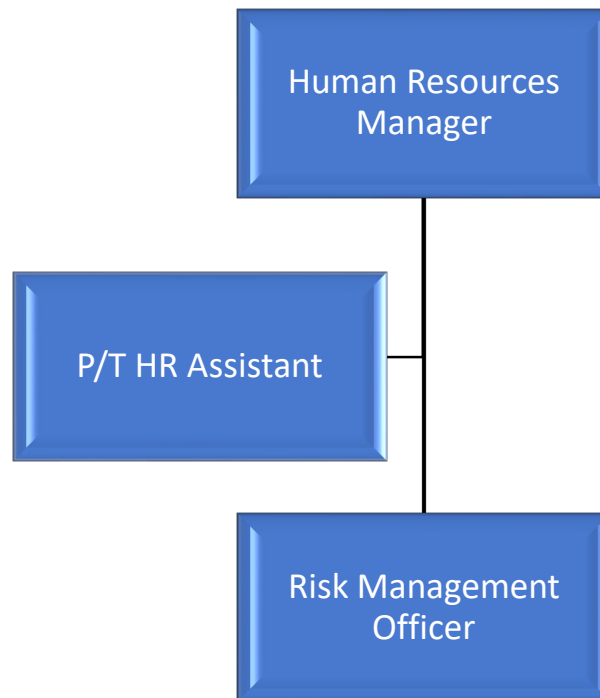
Objectives: Fiscal Year 2020-2021

- Implement provisions of the Pardee Annexation Agreement
- Work toward the completion of the LAFCO process for detachment from SDCWA, although the timing of the process may extend beyond FY21
- Continue process of developing a cost-effective way to replace the aging and undersized District offices.
- Implement updated processes and procedures for records management program.
- Implement practices and procedures required to manage the COVID-19 pandemic and its associated effects on our organization and community at large.

HUMAN RESOURCES & SAFETY DEPARTMENT

Personnel Level:

<u>Position(s)</u>	<u>2017-2018</u>	<u>2018-2019</u>	<u>2019-2020</u>	<u>2020-2021</u>
Human Resource Manager	1.00	1.00	1.00	1.00
Safety Officer	1.00	1.00	0.00	0.00
Risk Management Officer	0.00	0.00	1.00	1.00
Human Resource Assistant	0.00	0.50	0.50	0.50
Department Total	1.00	2.50	2.50	2.50



Responsibilities

The Human Resources Department's primary function is to provide strategic insight to the General Manager and Board of Directors to develop and manage programs that provide an optimal return on investment in human capital. The Human Resources Manager partners with the leadership team to develop a workforce that is highly qualified, engaged, safe, and productive.

The Human Resources Manager directs the performance management, employee recognition and corrective action programs to promote operational excellence and foster a culture of continuous improvement; manages total rewards programs to align the District's offerings with the labor market and provide the highest value to the workforce while remaining fiscally responsible; ensures compliance with labor laws, the Administrative Code, and applicable Memoranda of Understanding; and oversees the administration of occupational health and safety programs by the Environmental Health and Safety Officer.

The Risk Management Officer leads the design, deployment, and administration of risk management programs, which include: analysis of job hazards and implementation of hazard controls; ensuring compliance with environmental, health and safety regulatory and training requirements; designing and implementing emergency preparedness plans and training; promoting a culture of safety through strategic communication and positive relationships with the workforce; managing the risk management and liability insurance programs; processing liability claims against the District; and administration of the District's workers' compensation and return-to-work programs.

Major Accomplishments: Fiscal Year 2019-2020

Recruitment and Selection

- Completed recruitment cycles for 16 job requisitions, including four internal job postings.
- Recruitment marketing efforts between May 2019 – May 2020 resulted in over 28,000 job posting views, over 1,000 applications received, and 10 new hires, with an average fill time of 54 days.

Culture Development

The District has established an Employee Action Team that worked with a consultant to create a plan to address the areas identified as opportunities for improvement in an employee culture survey. Steps recommended and taken include:

- **STRENGTHENING RELATIONSHIPS:** Began the practice of regular one-on-one meetings between each employee and their direct supervisor. The meetings are employee-driven so that they can share concerns, successes, and have a dedicated time to ask questions of their supervisor without needing to request a meeting.

- **TEAM BUILDING:** Monthly All-Hands meetings now include activities to recognize employees, review policies, or conduct mini trainings that are engaging and promote a sense of camaraderie.
- **360 FEEDBACK FOR LEADERSHIP:** Each person on the District’s leadership team went through a 360-feedback evaluation process, followed by a consultation with a coach to help them understand how their behaviors were received by their peers and direct reports.
- **EMPLOYEE COMMUNICATION:** Created an internal employee newsletter, Under the Rainbow, as a tool to welcome new team members, recognize employees, and update staff on the Board’s decisions, the status of projects, and policies that may impact the workforce.

Employee Recognition and Appreciation

- Continued the Excellence Coin employee recognition program, resulting in 102 total nominations and 49 Excellence Coin awards for calendar year 2019.
- Hosted “Roarin’ 2020” themed Employee Recognition Banquet in January, as well as Quarterly Anniversary Breakfasts, Harvest Festival/Chili Cookoff in the fall, and annual Breakfast Burrito day in December.

Risk Management

- A total of 49 employees completed at least one online learning class from Target Solutions, representing 81 unique classes and 409 safety and water operations training classes completed. Completing Target Solutions training earns the District a discount on the worker’s compensation insurance premiums as well as increasing safety knowledge and awareness.
- Completed over 2,270 hours of safety training for the year, averaging 34 hours per employee.
- The Risk Management Officer accepted the responsibility for processing liability claims against the District this year; a total of 18 claims were processed or are in progress so far in the 2019-20 fiscal year, 10 of which were related to water damage due to a broken pipeline or main line leak.
- A new Emergency Response Plan was drafted, and key employees who will have roles in the Incident Command structure attended advanced incident management training through the San Diego Urban Area Security Initiative.

Pandemic Response

- Drafted Pandemic Response Plan and got approval for its implementation after the state of California, County of San Diego, and the District declared a state of emergency.
- Created a daily contact tracking system so employees can be notified when the District learns of a potential exposure to COVID-19.

- Coordinated protective isolation measures or testing for employees who may have been exposed to COVID-19 as appropriate.
- Adapted selection and interviewing techniques to maintain social distancing while screening candidates for job openings.
- Drafted workforce communications and published a special COVID-19 edition of the *Under the Rainbow* employee newsletter to keep employees updated on the District's response to COVID-19.
- Created a COVID-19 succession plan to maintain continuity of operations if one or several employees are unable to work due to a COVID-19 diagnosis or quarantine.

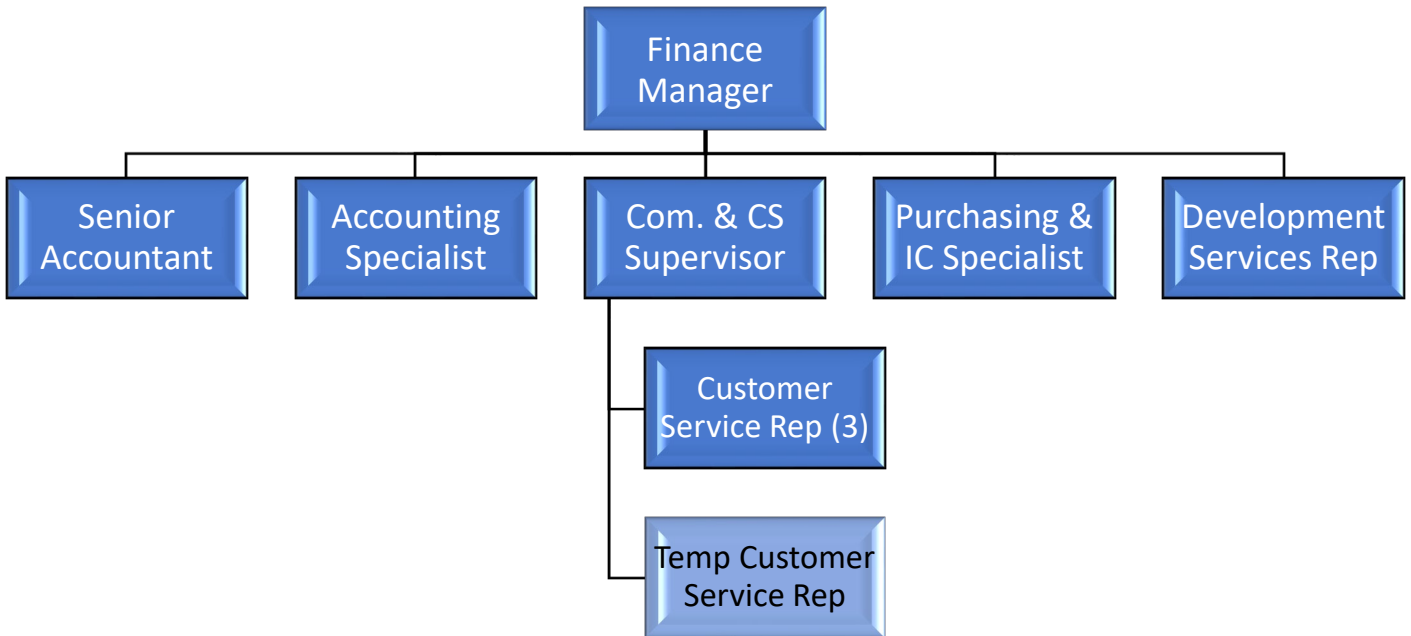
Objectives: Fiscal Year 2020-21

- COVID-19: Develop and implement a Safe Reopening Plan to keep employees and customers as protected as possible from COVID-19 while complying with state and county health orders.
- DIVERSITY AND INCLUSION TRAINING: Conduct training for all staff and leaders that covers implicit bias and strategies to foster a workplace that inclusive and positive for employees of all races, religions, sexual orientation, and gender identities or expressions.
- ONBOARDING: Design an onboarding education program that includes more District procedures, software training, water industry education, and connecting with team members across the District.
- EMPLOYEE RECOGNITION: Continue to promote the Excellence Coin Recognition program by refreshing program promotional materials and creating an online nomination form that can be completed from employees' mobile phones.
- SUCCESSION PLANNING AND CROSS TRAINING: The District's succession plan is reviewed and updated annually to prepare employees for promotional opportunities as other employees retire or leave the District. This plan will be used to prioritize cross-training needs across the District to ensure staff can fill in where they may be needed.
- LABOR AGREEMENT RENEWALS: The District's Memoranda of Understanding with the three bargaining units are due for renewal at the end of the 2020-2021 fiscal year. The District will need to balance a competitive compensation and benefits package that can aid with recruitment and retention, against the constraints of budgetary limitations.
- EMERGENCY PREPARATION: Conduct District-wide training on the Emergency Response Plan and quarterly exercises to keep workforce well prepared for disaster events.
- SAFETY: Conduct in-house OSHA-30 training for all supervisory staff and OSHA-10 training for all Safety Committee Members.

FINANCE DEPARTMENT

Personnel Level:

<u>Position(s)</u>	<u>2017-2018</u>	<u>2018-2019</u>	<u>2019-2020</u>	<u>2019-2020</u>
Finance Manager	1.00	1.00	1.00	1.00
Senior Accountant	0.00	0.00	1.00	1.00
Accounting Specialist	2.00	1.00	1.00	1.00
Purchasing & IC Specialist	1.00	1.00	1.00	1.00
Customer Service Supervisor	0.00	1.00	0.00	0.00
Communications & CS Supervisor	0.00	0.00	1.00	1.00
Customer Service Rep.	3.00	3.00	3.00	3.00
(Temp) Customer Service Rep.	0.00	0.00	1.00	1.00
Development Services Rep.	0.00	0.00	1.00	1.00
Crew Leader – Meter Service	1.00	0.00	0.00	0.00
Utility Workers II/III	4.00	0.00	0.00	0.00
Department Total	12.00	7.00	9.00	10.00



Responsibilities:

The Finance department encompasses the responsibility for the day-to-day operations and oversight of Finance, Customer Service, Customer Billing, Warehouse, and the District's purchasing functions.

The Finance section of the department is responsible for developing and administering the District's fiscal policies, financial data, purchasing functions and budget. A vital responsibility Finance has within the agency is providing internal control of District financial accounting and district wide procedures to ensure district assets are protected and used efficiently and in the best long-term interest of the rate payers. Finance provides the General Manager and Board of Directors with periodic reports on the District's financial condition, maintains financial data in accordance with generally accepted accounting principles and reporting standards, and coordinates the annual audit of the financial records by an independent accounting firm. The Finance department manages a centralized function for the purchasing, warehousing, and inventory control of material and supplies, prepares invoices for payments, prepares correspondence regarding various accounts, and verifies invoice charges to proper general ledger and budget accounts. Finance calculates and reviews current and historical cash flow projections, determines excess District funds, and makes recommendations for allocation to reserves and investment of funds. Finance also provides technical assistance and guidance for the management related to financial matters; articulates financial concepts to the Board of Directors, staff and members of the public, submits accounting reports required by the State Controller's Office and to other agencies, and prepares analyses of revenues, expenditures, water usage, CIP costs and other special projects as required.

Customer Service serves as the front-line customer support working with the public in person and in a call center setting. The Customer Service section of the department is primarily responsible for performing a variety of direct customer contact and office support activities supporting the servicing of customer accounts for water/wastewater service. Customer Service is responsible for processing requests for service, handling customer complaints, providing information and educating the public about rates and the District overall. The department provides information regarding beginning or ending service, billing, payments and related matters, takes required information from the customer to open, close or modify service accounts, verifies information, and updates customer profile as necessary. Within the administrative code, Customer Service may make payment schedule adjustments and/or authorize standard refunds or adjustments. Customer Service prepares appropriate forms and notifies District field staff of the need for field activities such as turning water service on and off, check meter reading, and/or the need for meter service.

Major Accomplishments: Fiscal Year 2019-20

Accounting

- Staff implemented Infor CloudSuite Financials software. Go-live was July 1, 2019.
- Finance developed Annual Budget in compliance with GFOA standards (4th consecutive year) – the Finance staff worked diligently on FY 19-20 budget to adhere to the criteria requirements of GFOA budget standards. The report was submitted to GFOA for possible consideration, and we are proud to have met and received Recognition of Distinguished Budget Presentation Award for the Fiscal Year 2019-20 budget.
- Finance set up and implemented Invoice approval workflows in Infor Cloud Suite Financials. The workflow sends an email with a link to the appropriate approver based on amount and department.
- Finance updated the Procurement administration code to be functionally aligned with daily operations and current spending level requirements.

Customer Service

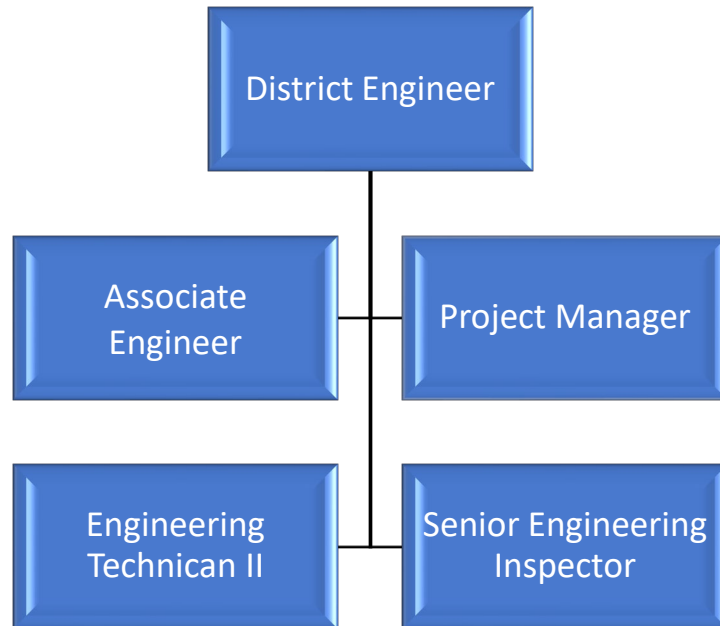
- Customer Service worked with the IT Department to implement the new utility billing (UB) software, Infor Public Sector. Go-live date was July 1, 2019.
- Converted the meter exchange process from a manual one to an upload that allows mass exchanges to be entered into the system at once.
- Staff successfully migrated office functions March 2020 for working remotely providing uninterrupted service to all our customers.

Objectives: Fiscal Year 2020-21

- Continue to create budget in compliance with GFOA standards, for the 5th consecutive year.
- Work with the new auditing firm to bring the annual financial statements in compliance to the Government Finance Officers Association (GFOA) Achievement for Excellence in Financial Reporting Program (CAFR Program).
- Fully migrate into the new Infor UB and Financial software. The UB conversion was handled internally by our IT Administrator and Finance department with guidance given by Infor's implementation staff. The Financial applications were implemented with assistance from a third-party Kinsey. Infor's in-house implementation team generally only works on larger projects. Staff identified Kinsey a third-party consulting firm as having the capability and experience with Infor products to manage the Financial Suite conversion. We have been working to add functionality and integrations within utility billing, asset management, purchase orders, and utility billing modules. These integrations will include a 3-way match between Purchase Order, Accounts Payable and Receipt of Goods.
- Implement a perpetual system that keeps track of inventory continuously with updates made automatically whenever an inventory part is taken. This will require the District purchasing a barcode system using digital technology to track inventory in real time updates sent electronically to the system database.

ENGINEERING DEPARTMENT

Personnel Level:				
<u>Position(s)</u>	<u>2017-2018</u>	<u>2018-2019</u>	<u>2019-2020</u>	<u>2020-2021</u>
Engineering Manager	1.00	1.00	1.00	1.00
Associate Engineer	1.00	1.00	1.00	1.00
Project Manager	0.00	1.00	1.00	1.00
IT Administrator	0.00	0.00	0.00	0.00
Engineering Inspector I	1.00	0.00	0.00	0.00
Senior Engineering Inspector	0.00	1.00	1.00	1.00
Engineering Technician II	1.00	1.00	1.00	1.00
Administrative Technician II	0.50	0.50	0.00	0.00
Right of Way/Facilities	1.00	1.00	0.00	0.00
Department Total	5.50	6.50	5.00	5.00



Responsibilities:

The Engineering Department encompasses the responsibility for the day-to-day operations and oversight of Engineering, and Engineering Customer Service for the District. The Engineering Department also provides technical support to Operations with record inquiries, GIS maps, water shutdown processing, construction coordination and project execution and inspection.

The Engineering Department's specific responsibilities include: inspection of construction of District facilities, and the management and execution of the Capital Improvement Program for water and wastewater, ensuring the timely completion and sound financial management of such projects. The department is also responsible for the oversight and administration of District and developer projects through design and construction, to confirm that water and wastewater facilities conform to District standards and requirements. In addition, the Department inspects construction District facilities, including the numerous easements. Engineering develops and prepares complete procurement solicitation and schedules for Notice of Inviting Bids, request for proposals and other projects. The department processes and reviews improvement plans, grading plans, subdivision maps and engineering's cost estimates; prepares quantity and cost estimates for varied projects; prepares construction agreements, fee letters, contract documents and other related legal documents relating to District improvements and developer projects; acquires and reviews documents for conformance to District requirements. They maintain the District planning documents as well as develop and update policies, procedures and guidelines for the current and future development of District water and wastewater systems.

Engineering Customer Service provides a wide variety of services to the public, which include San Diego County Form processing, public inquires on facilities and projects, Geographical Information Systems (GIS), maps and record drawings. The department is responsible for performing a variety of direct customer contact and office support activities supporting the payment of appropriate capacity fees for water and wastewater and inspection of the installation of new water and sewer laterals; serves as a front-line customer support working with the public in person, over the phone and in response to website inquiries. In addition, the Department receives, reviews, investigates, and processes claims. They are responsible for processing requests for downsizing or upsizing meters and providing the public information regarding the process to complete the installation of a new service to District standards. They process applications, fees and deposits for construction meters in coordination with the Customer Service Department, read and interpret improvement plans and facility maps for a variety of information for the public, engineers, consultants and other departments. Engineering also processes County documents related to water and sewer availability, agency clearance forms and other documents related to developments and explain regulations and policies and procedures to interested parties.

Major Accomplishments: Fiscal Year 2019-2020

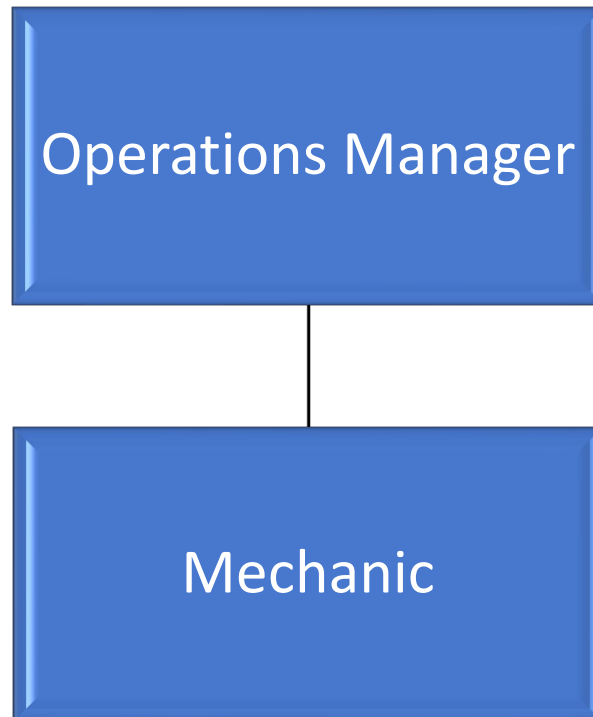
- Completed the design and construction of the Via Vera pipeline, including in-house design
- Bid and awarded the Rainbow Heights Pump Station project
- Bid awarded and issued the Notice-to-Proceed for the Olive Hill Estates Transmission Line Reconnection Project
- Bid the Pipeline Upgrade Project #1
- Created and implemented a contractor “Pre-Qualification List” to use on bidding for all RMWD projects that are required to be publicly bid.
- Completed the Dentro De Lomas Paving Project to repair extensive damage to the street cause by a major waterline break
- Began the design of the Pipeline Upgrade Project #2
- Began the design of the Rice Canyon Transmission Pipeline Project
- Bid and awarded the Pressure Station project
- Process and shuttle several developer projects through design and or construction phases including the following: Golf Green Estates (Rio Estrellas), Horse Creek Ridge, Palomar College, Pala Mesa Highlands, and recently, Meadowood. Meadowood is an 844-unit subdivision
- Processed San Diego County availability letters and new meters
- Delineated several large, difficult easements
- Awarded the contract and began the Programmatic Environmental Impact Report for rehabilitation and replacement of existing facilities, and new construction

Objectives: Fiscal Year 2020-2021

- Complete the construction of the Rainbow Heights Pump Station
- Construct trunk-line sewer system improvements need to accommodate additional development
- Complete the construction of the Olive Hill Estates Transmission Line Reconnection
- Complete the construction of the Pipeline Upgrade Project #1 project
- Begin Construction of the Pipeline Upgrade Project #2
- Begin the construction of the Rice Canyon Transmission Pipeline Project
- Construct the Pressure Station #2 project
- Complete the Programmatic Environmental Impact Report
- Begin the design of Pipeline Upgrade Project #3

TECHNICAL SERVICES DEPARTMENT

Personnel Level:				
<u>Position(s)</u>	<u>2017-2018</u>	<u>2018-2019</u>	<u>2019-2020</u>	<u>2020-2021</u>
Operations Manager	1.00	1.00	0.00	0.00
Electrical Technician II	1.00	1.00	0.00	0.00
Electrical Technician I	1.00	1.00	0.00	0.00
Mechanic	1.00	1.00	1.00	1.00
Water Quality Technician I	1.00	0.00	0.00	0.00
Department Total	5.00	4.00	1.00	1.00



Responsibilities:

The Mechanic Maintenance (Garage) provides maintenance and recordkeeping of all District Fleet to include all vehicles and heavy construction equipment. The district mechanic maintains the fleet daily, ensuring the fleet & equipment is operational 24 hours per day, 7 days per week for customer service calls and emergency response. Additionally, this area also maintains and makes repairs to all other miscellaneous small equipment and field equipment. The district mechanic is responsible for researching specifications for new vehicles & equipment. This process involves meeting with fabricators and ensuring vehicles and equipment are built to the district's requested specifications throughout upfitting.

Major Accomplishments: Fiscal Year 2019-2020

- Arranged and monitored the surplus auction of vehicles and equipment that were to be replaced using GOVDEALS and recovered \$16,607 for 2019-2020
- Upgraded air supply system to building #4 and #5
- Involved with specifications to equip new vehicles with V-mac under-hood compressors and updated safety lighting to LED also upgraded many vehicles with improved tool & equipment storage systems
- Arranged and upfitted vehicles with improved radio communications systems and updated safety lighting.
- Involved with specifications with new dump truck and rehabilitation of trailer
- Met all requirements for Bureau of Automotive Repair, California Resources Board and Cal Recycle on Site Inspection
- Met all requirements for California Periodic Smoke Inspection for Diesel Powered ON ROAD Vehicles

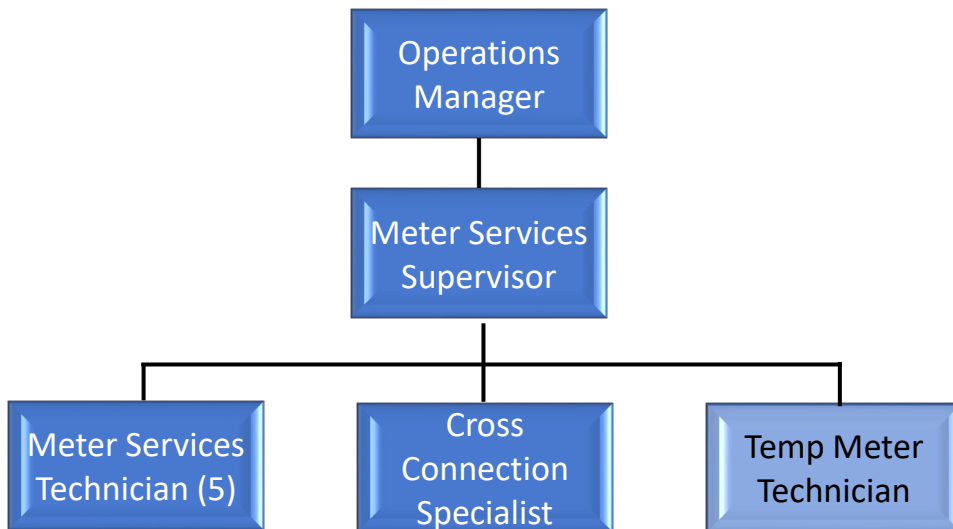
Objectives: Fiscal Year 2020-2021

- Replace shop workbench with updated lockable storage to secure tools, equipment & shop supplies
- Purchase safety flammable storage cabinets in shop to safely store chemicals
- Purchase additional storage locker to secure bulky valuable tools and equipment
- Complete the vehicle grading process, specifications, bidding process to facilitate the replacement of larger vehicles that will not meet the On-Road Heavy Duty Diesel Vehicles (In Use) Regulation requiring diesel trucks that operate in CA to reduce emissions by January 2023
- Upfit portable welder trailer with lighter, quieter & more efficient gas-powered welder
- Arrange and monitor Diesel Particulate Filter cleanings and Opacity & Smoke testing per California Air Resources Board
- Continue to maintain an On-Road & Off-Road Fleet vehicles as well as small equipment in good working order and ensure they are safe & efficient

METERS DEPARTMENT

Personnel Level:

<u>Position(s)</u>	<u>2017-2018</u>	<u>2018-2019</u>	<u>2019-2020</u>	<u>2020-2021</u>
Meter Supervisor	0.00	1.00	1.00	1.00
Crew Leader – Meter Service	1.00	0.00	0.00	0.00
Meter Technician(s)	4.00	5.00	5.00	5.00
Cross-Connection Specialist	0.00	1.00	1.00	1.00
Temporary Meter Technician	0.00	1.00	1.00	1.00
Department Total	5.00	8.00	8.00	8.00



Responsibilities:

Meter Services primary function is to ensure timely and accurate meter readings monthly. This Department continually maintains the District's 8,200 water meters and meter reading infrastructure as well as testing 4,500 Backflow devices annually. From either read discrepancy or customer requests the department will investigate and resolve meter service problems and questions from the rate payers. The reading of the meters occurs monthly starting on the first working day of the month. The district meters are assigned to 3 Cycles totaling 55 Routes. The meters are read using an electronic mobile collector and handheld device that stores the readings. The Automatic Meter Reading (AMR) system makes up approximately 75% of the District's meters, the other 25% of the district meters are read manually by foot. In an AMR system, a meter reader collects the meter reading consumption by driving a district vehicle with a truck mounted radio the "Mobile Collector". The Utility Worker drives predetermined routes and picks up the read data very quickly as compared to manual reads. The other 25% remaining meters are manually read.

When meters are determined to be broken or functioning inefficiently, staff will either repair, replace, and/or test the water meters; clean and replace surrounding meter boxes. The department applies District procedures when investigating and reviewing with customers on a variety of water service problems. They perform flow and pressure tests as needed at the meter service. The department interprets and reads maps to locate district assets utilizing the GeoViewer software. The department also operates water system valves and hydrants as required and assists with water main shutdowns. The department is responsible to verify and report service information corrections and respond to service orders issued by the customer service staff.

Major Accomplishments: Fiscal Year 2019-2020

- The meter shop began working on the WASUP Project by purchasing a small dump truck and Ditch Witch vacuum. The intent was to save the District money by vacuuming out meter boxes for Concord to conduct the meter replacement. Then the district would follow behind them and backfill the meter boxes. The project is twenty percent complete to date.
- Service requests were per month totaled between eight-hundred and one thousand. The meter shop in conjunction with IT and billing was able to identify the issues and reduce the number to below two hundred by writing code that took into consideration several factors that IPS was not looking at in its exception report.

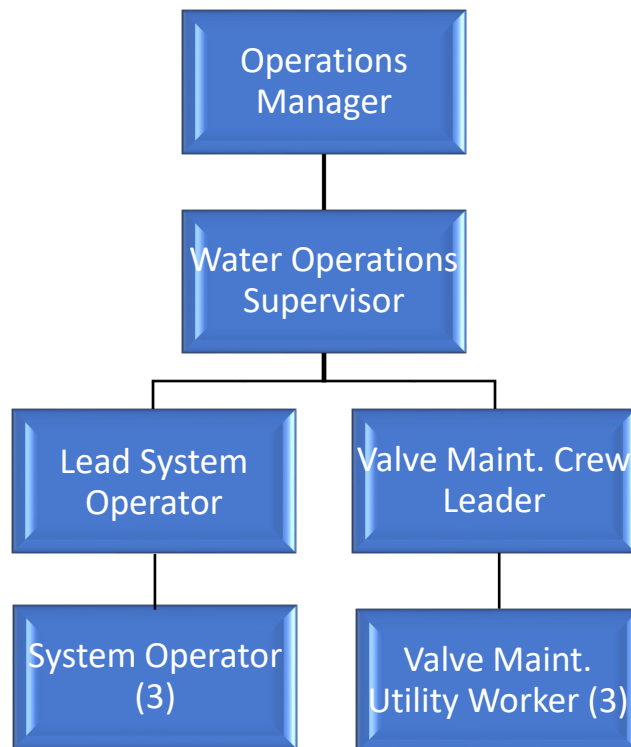
Objectives: Fiscal Year 2020-2021

- Complete the District Wide Meter Replacement Project
- Complete the backlog of meter downsizes and removals
- Complete all 4,500 Backflow Tests

WATER SYSTEM OPERATIONS AND VALVE MAINTENANCE DEPARTMENT

Personnel Level:

<u>Position(s)</u>	<u>2017-2018</u>	<u>2018-2019</u>	<u>2019-2020</u>	<u>2020-2021</u>
Water Ops. Superintendent	1.00	1.00	1.00	1.00
Water Ops. Supervisor	0.00	0.00	0.00	1.00
Lead System Operator	1.00	1.00	1.00	1.00
System Operator(s)	3.00	3.00	3.00	3.00
Administrative Assistant	0.50	0.50	0.00	0.00
Valve Maint. Crew Leader	1.00	1.00	1.00	1.00
Valve Maint. Utility Worker(s)	3.00	3.00	3.00	3.00
Department Total	9.50	9.50	9.00	9.00



Responsibilities:

System Operations is responsible for operating the potable water system in a manner that ensures reliable and sustainable deliveries to District customers. To accomplish this, Water Operations utilizes a Supervisor Control and Data Acquisition (SCADA) system that controls water flow and storage through the District's distribution system. Additionally, this department performs various maintenance, monitoring, and evaluations of the District's storage reservoirs, tanks, pump stations, and chlorine booster and monitoring stations. They provide routine maintenance and repairs for all pumps in the distribution system. This enhances customer satisfaction by enabling the District to provide reliable and sustainable services to its customers by maintaining the system that keeps the services flowing.

Water Quality is a component of System Operations. The system operators are responsible for collecting routine samples which are used to monitor water quality in the distribution system. This includes special sampling for California State Water Resources Control Board requirements, contractors and construction crews working on the District's pipelines. Other components of Water Quality include responding to water quality complaints, pipeline flushing and the preparation of monthly and annual reports for the State Water Resources Control Board.

Valve Maintenance is responsible for the District's valve exercise program while maintaining all appurtenances such as fire hydrants, wharf heads, blow offs, and air release valves. This includes the repair, replacement, painting, and upkeep of easements. Valve Maintenance ensures that distribution valves are operational and ready to isolate the water mains in the event of emergencies, routine maintenance work, and new construction projects. Valve Maintenance also assist with shutdowns for the construction/maintenance department and contractors by operating the valves that shut down the main lines.

Major Accomplishments: Fiscal Year 2019-2020

- Installed flow meters at Vallecitos and Rainbow Heights tanks.
- Updated the preventative maintenance program for pressure management program.
- Installed a new CL-10 chlorine analyzer at Rainbow Heights tank.
- Three tanks washed out and disinfected. Minor repairs on (3) floating covers
- Worked with Nobel Systems to install pressure transmitters at two locations.
- Installed (3) new above ground pressure stations.
- SCADA system main overview page updated with better information.

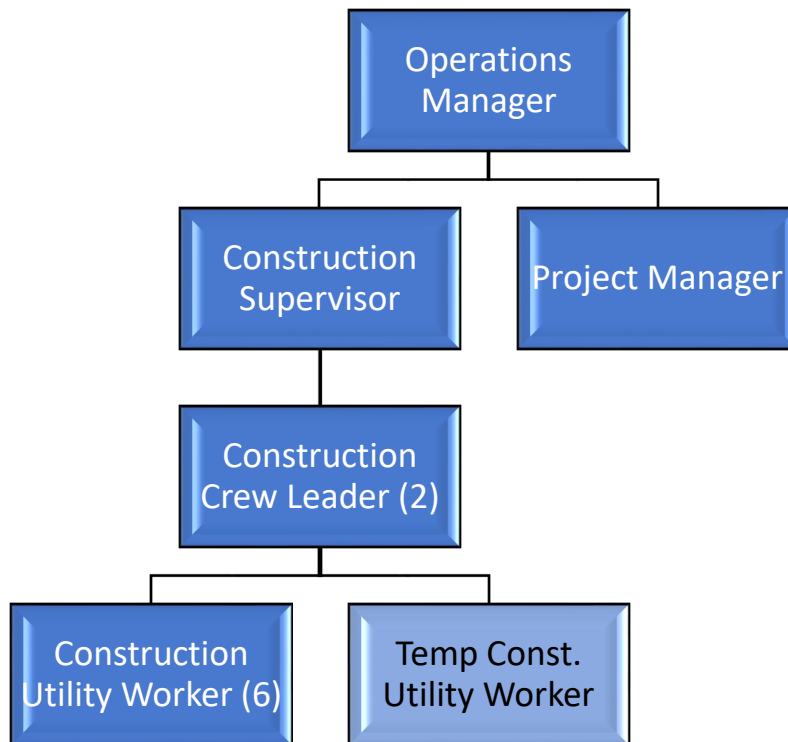
Objectives: Fiscal Year 2020-21

- Work with Engineering to finalize plans for the interconnect with the Weese Filtration Plant.
- Complete installation of two permanent pump stations for SDCWA shutdowns.
- Continue working with Engineering to develop system pressure controls.
- Complete rehabilitation of Rainbow Heights Pump Station.
- Develop Preventative Maintenance schedules in EAM system for water facilities.
- Redesign and upgrade Vallecitos pressure station.
- Perform a full and complete cover inflation and reservoir cleaning at North reservoir.
- Completely update and revise the Bacteriological Site Sampling Plan.

CONSTRUCTION DEPARTMENT

Personnel Level:

<u>Position(s):</u>	<u>2017 - 2018</u>	<u>2018 – 2019</u>	<u>2019 – 2020</u>	<u>2020-2021</u>
Project Manager	0.00	0.00	1.00	1.00
Construction Superintendent	1.00	1.00	1.00	0.00
Construction Supervisor	0.00	0.00	0.00	1.00
Construction Crew Leader	2.00	2.00	2.00	2.00
Construction Utility Worker	6.00	6.00	6.00	6.00
Temp Const. Utility Worker	0.00	0.00	1.00	1.00
Department Totals:	9.00	9.00	11.00	11.00



Responsibilities:

Construction Department is dedicated to accomplishing its mission in a cooperative team-oriented environment that emphasizes quality, safety, and provides high quality customer service. The most critical function of the Construction is to maintain and repair the infrastructure of the District. This department is responsible for the repair and maintenance of the District's water distribution system, ensuring the District provides reliable and sustainable services to its customers along with responding to emergency calls 24 hours per day is critical to providing uninterrupted service to our customers.

Major Accomplishments: Fiscal Year 2019-2020:

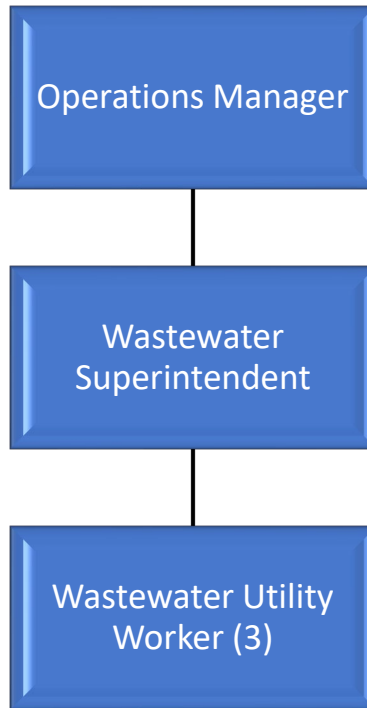
- Crew attended training opportunities to satisfy State Certification requirements.
- 100% response rate to Customer Service calls and water mains leaks ensuring minimal interruption to customers.
- Installed 2 (two) flowmeters for operations.
- Began the PRV installation program by installing two PRV's. One on Thoroughbred and one on one Sarah Ann. Raised another PRV out of redwood box and abandoned a PRV
- Responded to winter storms assisting the county with mud/debris removal, trees down and vehicle recover
- Began the clean-up of the lower yard
- Realized a mid-year budget adjustment as net savings due to the reduction in use of contractors

Objectives: Fiscal Year 2020-2021

- Continue with District Wide Pressure Management
- Continue to reduce the open work orders for asphalt repair
- Train three new crew members in Class A Commercial License
- Continue to clean up lower yard
- Maintain one crew on PRV installation
- Install C-900 to Rainbow Camp

WASTEWATER DEPARTMENT

Personnel Level:				
<u>Position(s):</u>	<u>2017 – 2018</u>	<u>2018 – 2019</u>	<u>2019 – 2020</u>	<u>2020-2021</u>
Wastewater Superintendent	1.00	1.00	1.00	1.00
Utility Worker	3.00	3.00	3.00	3.00
Department Totals:	4.00	4.00	4.00	4.00



Responsibilities:

Wastewater Division is responsible for the protection of public health and the environment by providing reliable and sustainable wastewater collection and pumping services to its customers. This area is responsible for accomplishing its duties in a prudent manner by completing its tasks using effective management practices and ensuring an environmentally responsible operation.

Major Accomplishments: Fiscal Year 2019-2020

- Work in conjunction with Kennedy Jenks review & provide operations feedback on plans Siphon, School House sewage lift Station and Equalization basin.
- Completed 18.39 miles/97,150” of sewer line cleaning for gravity sewers lines ranging from 8” to 15” and inspected/mitigated sewer manholes for root problems, vandalism, and road hazards.
- Completed 5.25 miles/27,775” of closed-circuit televised (CCTV) of sewer mains 8”-15”.
- Provided and maintained preventative maintenance to seven sewage lift stations and one flow meter station.
- Preventative Maintenance Root-x into collection system. Root-x assists in control of roots from public sewer system and private homeowner sewer laterals.
- Provided Insecta sewer treatment to 150 sewer manholes in control of cockroaches.
- Maintained collection system operations during heavy April 2020 rainstorm.
- Maintained and kept 23 Smart-Cover sewer system District owned monitoring units operational in helping reduce in notifications and Sanitary Sewer Overflows (SSOs).
- SmartCover – Hadronex Covid-19 loaned (5) units in monitoring stay at home Oder in heavy populated communities.
- EAM work order # 176679 - Spot repair to 15” VCP sewer line between manhole P-O_10 to manhole P-O_11.
- EAM work order # 176954 - Spot repair to 15” VCP sewer line between manhole P-O_14 to manhole P-O_15.

Objectives: Fiscal Year 2020-2021

- Assist Engineering Department with completion of ongoing Capital Improvement Projects:
 - Work alongside Dexter Wilson review and provide operations feedback - updated Rainbow Conveyance System.
 - Review Meadowood Development sewer system plans
 - Fallbrook Oak’s rehab lift station force main and vault.
 - Rehab sewer manholes on North River Road
 - Re-line North River Road 15” vcp sewer line
 - Plan and complete repairs to 15” vcp spot repair between P2_18 – P2_19
- Install (5 additional Smart-floe Cover units) to efficiently monitor sewer collection system and potential sanitary sewer overflows.

- Raise and secure (6) sewer manholes in river creek bed away from Moosa Creek with boulders.
- Rehabilitate Thoroughbred lift station wet well (Includes bypassing wet well, contractor wet well repairs bottom of wet well to top of wet well).
- Cure in place the sewer lines repairs as needed through CCTV inspections.
- Horse Creek Ranch – Add concrete into abandoned sewer line 8” VCP 1,000’ (Includes cement pumper pump, Cement transfer trucks and easement clearing).
- Perform sewer manhole rehabilitation repairs collection system.
- Manage and maintain collection sewer easements.

APPENDIX A

GLOSSARY

Accrual Basis of Accounting – The basis of accounting under which transactions are recognized when they occur, regardless of timing of cash receipts and disbursements.

Adopted Budget – The official budget as approved by the Board of Directors at the start of each fiscal year.

Amended Budget – The adopted budget as amended by the Board of Directors through the course of the fiscal year.

Balanced Budget – A budget in which planned expenditures do not exceed planned funds available.

Bond – A security whereby an issuer borrows money from an investor and agrees and promises, by written contract, to pay a fixed principal sum on a specified date (maturity date) and at a specified rate of interest.

Budget – A plan of financial operation comprised of estimated expenditures for a given period (usually a single fiscal year) and the proposed means of financing the expenditures (through revenues).

Capital Budget – A budget which focuses on capital projects to implement the Capital Improvement Program.

Capital Expense – An acquisition or an improvement (as distinguished from a repair) that will have a life of more than one year and costs more than \$10,000.

Capital Improvement Program – A plan for the capital improvements to be implemented each year over a number of years to meet capital needs arising from the assessment of long-term needs. It sets forth the estimated cost for each project and specifies the resources required to finance the projected expenditures.

Capital Improvement Project – The budget unit to group activities and costs necessary to implement a specific capital improvement and/or acquisition. A project can include the construction, acquisition, expansion, replacement, or rehabilitation of a physical facility or improvement. Projects often include planning and design, land acquisition, and project management costs related to such facilities and improvements.

Department: A major organization group of the District with overall management responsibility for an operation or a group of related operations within a functional area.

Expenses – Decreases in net total assets. Expenses represent the total cost of operations during a period regardless of the timing of related expenditures.

Fiscal Year – A 12-month period to which the annual operating budget applies and at the end of which an entity determines its financial position, the results of its operations, and adopts a budget for the coming year. The District's fiscal year is from July 1 to June 30.

Fixed Assets – Equipment costing \$10,000 or more, including tax, with a useful life longer than one year, and not qualifying as a capital improvement project. Includes automotive equipment, office equipment, office furniture, acquisitions, landscaping improvements, etc.

Fund – An independent fiscal and accounting entity with a self-balancing set of accounts, recording resources, related liabilities, obligations, reserves and equities segregated for the purpose of carrying out specific activities or attaining certain objectives in accordance with special regulations, restrictions or limitations.

Fund Balance – The equity (assets minus liabilities) of governmental fund and fiduciary fund types.

Generally Accepted Accounting Principles (GAAP) – Uniform minimum standards of and guidelines for financial accounting and reporting. They govern the form and content of the basic financial statements of an entity. GAAP encompasses the conventions, rules, and procedures necessary to define accepted accounting practices at a particular time. They include not only broad guidelines of general application, but also detailed practices and procedures.

GFOA – Government Finance Officers Association

Governmental Accounting Standards Board (GASB) – The independent organization that establishes and improves standards of accounting and financial reporting for U.S. state and local governments.

Payroll Expenses – Compensation paid to or on behalf of District employees for salaries and wages, overtime and benefits.

Revenue – Moneys that the District receives as income such as payments for water consumption, shared revenues and interest income.