

Modesto Irrigation

District

20**22** Detailed Budget

Revenue Summary

2022 Revenue Budget Division Summary

	2020 <u>Actual</u>	2021 <u>Budget</u>	2022 <u>Adopted Budget</u>	2023 <u>Proposed Budget</u>	% Change From Previous Budget
3XX002 PRJ - Electric Wholesale Rev	7,447,332	37,192,739	61,148,530	55,695,558	64.4%
3XX004 PRJ - EI Transmission Rev Retail	526,683	0	0	0	N/A
3XX901 PRJ - Electric Operating Revenue	347,589,878	331,139,762	336,816,234	324,193,661	1.7%
3XX902 PRJ - Environmental Energy Adjustment	17,130,494	18,250,978	18,284,902	18,728,852	0.2%
3XX904 PRJ - Capital Infrastructure Adjustment	7,262,139	7,013,461	7,057,672	7,025,336	0.6%
Electric Revenue	379,956,526	393,596,940	423,307,338	405,643,407	7.5%
3XX910 PRJ - Raw Water Operating Revenue	3,688,064	4,242,928	4,056,870	4,462,557	-4.4%
3XX911 PRJ - FERC Instream Flow Revenue	1,584,783	1,741,386	1,784,921	1,838,469	2.5%
3XX912 PRJ - Domestic Water Revenue	20,736,587	19,925,719	19,250,468	17,202,454	-3.4%
3XX913 PRJ - Storm Water Revenue	0	1,601,076	1,709,549	1,751,742	6.8%
Water Revenue	26,009,434	27,511,109	26,801,808	25,255,221	-2.6%
3XX920 PRJ - Customer Services Fees Rev	1,123,018	1,400,000	1,400,000	1,400,000	0.0%
3XX921 PRJ - Don Pedro Rec Agency Revenue	424,579	413,307	464,302	464,302	12.3%
3XX922 PRJ - DW Admin Fees Revenue	3,164,868	3,348,252	3,493,133	3,579,718	4.3%
3XX923 PRJ - Facilities Charge	866,169	670,000	680,000	690,000	1.5%
3XX924 PRJ - Fiber Optic Revenue	172,800	172,800	172,800	172,800	0.0%
3XX926 PRJ - Gain or Loss on Sale of Assets	0	50,000	50,000	50,000	0.0%
3XX927 PRJ - Interest Income	5,575,125	5,800,000	5,800,000	5,800,000	0.0%
3XX928 PRJ - Late Penalties	373,028	2,775,000	1,000,000	2,500,000	-64.0%
3XX929 PRJ - Misc. Cost Recovery	73,016	21,000	22,000	22,500	4.8%
3XX930 PRJ - Misc. Operating Income	487,049	620,000	630,000	640,000	1.6%
3XX931 PRJ - Other Entities Admin Fees Revenue	532,886	850,000	850,000	850,000	0.0%
3XX932 PRJ - Rental of District Property	525,082	1,000,000	1,000,000	1,000,000	0.0%
3XX933 PRJ - Retirement Fund Revenue	706,115	840,000	840,000	845,000	0.0%
3XX934 PRJ - Revenue-Aid to Construction	10,923,916	1,600,000	1,650,000	1,700,000	3.1%
3XX935 PRJ - Warehouse Sales	69,449	150,000	150,000	150,000	0.0%
3XX936 PRJ - WBO Income	2,233,742	1,375,000	1,375,000	1,375,000	0.0%
Rev - Other Revenues	26,487,897	21,085,359	19,577,235	21,239,320	-7.2%
Alternate Revenue	<u>\$431,709,295</u>	<u>\$442,193,408</u>	<u>\$469,686,381</u>	<u>\$452,137,949</u>	6.2%

O&M Summary

2022 O&M Budget Division Summary District OM

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	From Previous Budget
3XX500 PRJ - Board of Directors	175,799	254,220	361,100	254,060	42.0%
3XX501 PRJ - Board Secretary Office	335,125	459,542	466,292	464,033	1.5%
3XX510 PRJ - Legal Counsel	1,689,888	1,745,000	1,745,000	1,745,000	0.0%
3XX511 PRJ - Legal Claims	1,686,821	1,050,000	1,050,000	1,050,000	0.0%
3XX512 PRJ - MID Water Rights	8,916	250,000	250,000	250,000	0.0%
OM - 10 OM - BOARD OF DIRECTORS DIVISION	3,896,549	3,758,762	3,872,392	3,763,093	3.0%
3XX520 PRJ - General Manager	861,408	805,391	817,830	795,180	1.5%
3XX521 PRJ - Regulatory Administration	814,330	1,123,277	1,092,787	1,114,713	-2.7%
3XX522 PRJ - District Seminar & Meetings	0	236,000	236,000	236,000	0.0%
3XX531 PRJ - Public Affairs	674,059	918,528	924,449	935,770	0.6%
3XX532 PRJ - Public Inform-Canal Safety	150,775	225,000	225,000	225,000	0.0%
3XX533 PRJ - Public Inform-Elect Safety	111,483	190,650	195,700	200,750	2.6%
3XX534 PRJ - Community Service	30,183	40,000	55,000	55,000	37.5%
OM - 20 OM - GENERAL MANAGER DIVISION	2,642,238	3,538,847	3,546,766	3,562,412	0.2%
3XX550 PRJ - Human Resources	630,060	881,388	898,910	921,020	2.0%
3XX552 PRJ - Training	260,992	489,804	498,908	511,879	1.9%
3XX560 PRJ - Recruitments	422,378	621,323	633,553	649,914	2.0%
3XX561 PRJ - Employee Programs	54,321	153,985	158,545	163,210	3.0%
3XX553 PRJ - Retirement Administration	390,566	458,217	472,978	487,122	3.2%
OM - 24 OM - HUMAN RESOURCES DIVISION	1,758,317	2,604,717	2,662,894	2,733,146	2.2%
3XX650 PRJ - IT Administration	6,555,426	7,278,596	7,335,276	7,642,988	0.8%
3XX655 PRJ - IT Systems Support	1,947,413	1,992,782	1,719,721	1,761,990	-13.7%
3XX660 PRJ - IT Applications Business Support	1,699,112	1,579,675	1,601,793	1,251,545	1.4%
3XX661 PRJ - IT Applications Operations Support	1,252,747	1,256,897	1,314,039	1,346,337	4.5%
3XX665 PRJ - Technical Operations	976,492	1,418,042	1,628,598	1,483,895	14.8%
3XX656 PRJ - Network/Desktop Support	629,899	588,457	649,869	665,842	10.4%
3XX667 PRJ - IT Security	849,624	923,750	936,685	959,707	1.4%

2022 O&M Budget Division Summary District OM

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	From Previous Budget
OM - 40 OM - INFORMATION TECHNOLOGY DIVISION	13,910,713	15,038,200	15,185,981	15,112,305	1.0%
3XX700 PRJ - Finance Admin	690,217	260,822	263,341	286,863	1.0%
3XX710 PRJ - Treasurer	445,126	368,084	432,824	439,475	17.6%
3XX711 PRJ - Financing Related Expense	62,465	140,000	145,000	145,000	3.6%
3XX715 PRJ - Retirement Investment Expense	547,147	1,100,000	900,000	950,000	-18.2%
3XX702 PRJ - Pricing/Risk Management	511,197	688,481	711,129	727,896	3.3%
3XX755 PRJ - Safety Admin	282,848	401,213	139,206	142,566	-65.3%
3XX756 PRJ - Safety	472,434	675,640	686,250	698,885	1.6%
3XX720 PRJ - Controller	514,397	629,038	643,002	660,543	2.2%
3XX725 PRJ - Accounting	1,193,484	1,144,482	1,160,916	1,188,740	1.4%
3XX730 PRJ - Customer Services Admin	554,853	738,388	749,102	745,478	1.5%
3XX735 PRJ - Billing	1,821,144	2,353,252	2,372,976	2,352,050	0.8%
3XX740 PRJ - Call Center	1,551,204	2,176,296	2,208,805	2,198,720	1.5%
3XX750 PRJ - Cash Accounting	2,010,066	2,174,001	2,391,804	2,399,234	10.0%
3XX775 PRJ - Risk & Property	982,888	1,085,976	1,107,899	1,060,961	2.0%
3XX777 PRJ - Environmental	256,568	547,038	568,872	576,936	4.0%
3XX780 PRJ - Building Services	1,632,873	2,248,451	2,304,919	2,347,848	2.5%
3XX785 PRJ - Purchasing	789,886	746,822	941,882	953,782	26.1%
3XX786 PRJ - Materials Handling	918,487	885,659	903,090	927,710	2.0%
3XX998 PRJ - Equipment Clearing	-1,296,765	-3,231,116	-3,324,320	-3,261,289	2.9%
3XX790 PRJ - Fleet Maintenance	842,184	812,986	821,307	833,702	1.0%
3XX791 PRJ - Vehicles & Equipment	1,355,392	2,418,130	2,503,013	2,427,587	3.5%
3XX760 PRJ - Energy Services	1,935,152	2,148,995	2,172,484	2,196,366	1.1%
3XX763 PRJ - Energy Management	1,907,209	3,803,674	3,824,330	3,562,840	0.5%
3XX764 PRJ - Solar Photovoltaic PBI	593,238	500,000	150,000	150,000	-70.0%
OM - 50 OM - FINANCE DIVISION	20,573,692	24,816,312	24,777,830	24,711,893	-0.2%
3XX954 PRJ - Claims/Other Write Offs	597,586	621,100	631,100	641,100	1.6%
3XX958 PRJ - Don Pedro Rec Agency Expense	559,438	626,652	705,247	726,405	12.5%

2022 O&M Budget Division Summary District OM

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	From Previous Budget
3XX959 PRJ - Electric Retail Write Offs	2,944,250	2,300,000	2,300,000	2,300,000	0.0%
3XX960 PRJ - Insurance	1,769,410	2,195,331	2,642,296	3,071,888	20.4%
3XX966 PRJ - Permission and Municipal Fees	549,821	600,000	600,000	600,000	0.0%
3XX967 PRJ - Retiree Medical Expense	8,250,557	10,175,413	10,306,552	10,330,698	1.3%
3XX968 PRJ - Warehouse Sales Cost	42,244	5,000	5,000	5,000	0.0%
3XX969 PRJ - WBO Costs	1,695,745	1,375,000	1,375,000	1,375,000	0.0%
OM - 58 OM - OTHER EXPENSES DIVISION	14,713,306	17,898,496	18,565,195	19,050,091	3.7%
3XX100 PRJ - Electric Resources Admin	2,229,909	1,914,416	500,706	510,968	-73.8%
3XX110 PRJ - Electric Resources/Planning	2,626,455	3,651,568	3,703,669	3,835,392	1.4%
3XX130 PRJ - Operations Admin	1,405,317	1,512,674	1,507,601	1,530,647	-0.3%
3XX140 PRJ - Power Scheduling	3,574,155	3,873,819	3,938,246	4,033,540	1.7%
3XX135 PRJ - Control Center Dispatching	3,369,766	3,900,054	4,193,197	4,287,410	7.5%
OM - 60 OM - ELECTRIC RESOURCES DIVISION	13,205,603	14,852,532	13,843,418	14,197,957	-6.8%
3XX200 PRJ - Transmission & Dist Admin	576,291	117,239	147,623	67,730	25.9%
3XX210 PRJ - General Engineering	947,552	1,026,636	1,081,148	1,099,915	5.3%
3XX211 PRJ - Trans/Dist Planning	731,772	624,442	338,288	346,603	-45.8%
3XX212 PRJ - Trans/Dist Engineering	634,819	502,114	637,903	653,318	27.0%
3XX213 PRJ - Substation Engineering	616,439	585,815	663,518	679,539	13.3%
3XX214 PRJ - Mapping/Records	689,061	831,063	906,141	928,241	9.0%
3XX220 PRJ - Trouble General Maintenance	2,101,187	2,448,714	2,437,681	2,482,554	-0.5%
3XX221 PRJ - Turn-on/Turn-off	6,662	20,913	20,456	20,799	-2.2%
3XX222 PRJ - Street Lighting	56,061	98,597	99,940	102,217	1.4%
3XX223 PRJ - Vegetation Management	3,487,154	3,765,517	3,949,700	4,067,722	4.9%
3XX224 PRJ - Trouble Administration	657,735	493,843	484,769	496,876	-1.8%
3XX225 PRJ - Inspections	412,061	552,382	555,806	569,544	0.6%
3XX280 PRJ - Line Construction Admin	1,557,994	1,555,640	1,586,791	1,622,382	2.0%
3XX281 PRJ - LC Overhead Transmission	120,707	213,106	250,305	254,781	17.5%
3XX282 PRJ - LC Overhead Distrib Maint	924,974	1,350,836	1,360,744	1,389,205	0.7%

2022 O&M Budget Division Summary District OM

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	From Previous Budget
3XX283 PRJ - Line Construction General	2,230,085	1,253,941	1,316,629	1,323,439	5.0%
3XX284 PRJ - LC Underground Distribution	1,331,892	1,341,894	1,602,692	1,636,435	19.4%
3XX285 PRJ - Insulating Equipment	22,501	33,600	33,600	33,700	0.0%
3XX250 PRJ - Substation	1,096,320	1,079,158	963,860	979,622	-10.7%
3XX251 PRJ - Transmission Substation	1,516,756	2,362,021	2,908,080	2,953,955	23.1%
3XX252 PRJ - Distribution Substation	3,582,590	2,942,907	3,614,110	3,582,436	22.8%
3XX253 PRJ - Maintenance of Relays	655,229	845,040	1,034,931	799,573	22.5%
3XX254 PRJ - Westley Station	109,869	154,041	230,933	234,040	49.9%
3XX255 PRJ - Westley Station CIP	7,488	5,679	17,024	17,258	199.8%
3XX260 PRJ - Meter Transformer	446,552	550,133	563,122	573,404	2.4%
3XX261 PRJ - Meter Maintenance	2,227,978	2,260,190	2,332,467	2,389,415	3.2%
3XX262 PRJ - Transformer Maintenance	202,247	276,418	285,150	292,014	3.2%
3XX264 PRJ - LM Receiver Maintenance	14,264	21,338	31,902	32,659	49.5%
OM - 70 OM - ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION	26,943,382	27,313,218	29,455,312	29,629,377	7.8%
3XX400 PRJ - Water Operations Admin	570,703	311,041	307,720	316,279	-1.1%
3XX401 PRJ - Water Rights	562,871	650,000	650,000	669,500	0.0%
3XX403 PRJ - Irrigation System Improvements	113,309	583,495	500,000	515,000	-14.3%
3XX420 PRJ - LaGrange Water System	160,860	102,285	153,500	158,105	50.1%
3XX410 PRJ - Civil Engineering	1,141,536	1,097,595	1,129,495	1,157,310	2.9%
3XX411 PRJ - Surveying	424,178	538,191	599,231	614,010	11.3%
3XX412 PRJ - Conservation Improvements	176,107	251,649	212,370	218,457	-15.6%
3XX413 PRJ - Water Measurement	18,837	34,832	42,028	43,035	20.7%
3XX421 PRJ - Water Data & Analysis	148,632	190,097	135,456	138,951	-28.7%
3XX422 PRJ - Ground Water Management	1,008	201,860	208,614	214,305	3.3%
3XX423 PRJ - Don Pedro Watershed	446,041	416,566	518,460	532,866	24.5%
3XX430 PRJ - Irrigation Admin	535,202	539,494	547,643	552,644	1.5%
3XX440 PRJ - Irrigation Services	2,202,452	2,123,843	2,160,552	2,212,235	1.7%

2022 O&M Budget Division Summary District OM

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	From Previous Budget
3XX441 PRJ - La Grange	98,888	98,857	101,369	102,968	2.5%
3XX442 PRJ - Upper Main Canal	205,164	252,065	257,263	263,315	2.1%
3XX443 PRJ - Modesto Reservoir	206,426	209,393	219,345	224,574	4.8%
3XX444 PRJ - Pumps	828,868	666,563	930,770	956,976	39.6%
3XX450 PRJ - Laterals and Ditches	3,053,297	2,885,881	3,147,480	3,227,054	9.1%
3XX451 PRJ - Gunite	981,868	1,118,782	1,145,108	1,185,897	2.4%
3XX452 PRJ - Irrigation Pipelines	150,913	241,329	246,629	248,412	2.2%
3XX453 PRJ - Structures	9,355	87,345	93,136	93,597	6.6%
3XX454 PRJ - Weed & Moss Control	895,347	1,267,216	1,279,798	1,311,675	1.0%
3XX455 PRJ - Landscaping	219,879	284,772	290,303	251,096	1.9%
OM - 80 OM - WATER OPERATIONS DIVISION	13,471,741	14,153,152	14,876,267	15,208,262	5.1%
3XX470 PRJ - Domestic Water Admin	678,197	809,953	910,000	958,156	12.4%
3XX471 PRJ - Domestic Water A&G	2,639,171	3,358,252	3,503,133	3,590,018	4.3%
3XX472 PRJ - Domestic Water Operations	3,816,216	4,388,175	4,386,063	4,508,646	0.0%
3XX473 PRJ - Domestic Water Laboratory	525,418	568,364	731,728	750,546	28.7%
3XX474 PRJ - Domestic Water Maintenance	2,053,042	2,968,581	2,921,457	3,002,652	-1.6%
OM - 81 OM - DOMESTIC WATER DIVISION	9,712,044	12,093,324	12,452,380	12,810,018	3.0%
District OM	<u>\$120,827,584</u>	<u>\$136,067,560</u>	<u>\$139,238,436</u>	<u>\$140,778,554</u>	2.3%

Power Supply Summary

2022 O&M Budget Division Summary Power Supply

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	From Previous Budget
3XX150 PRJ - Purchase Power	168,683,378	185,598,423	216,429,857	201,796,606	16.6%
3XX151 PRJ - Purchase Power-Hedging	5,572	0	0	0	N/A
3XX160 PRJ - Generation Admin	884,962	849,378	860,265	879,637	1.3%
3XX165 PRJ - Don Pedro Generation O&M	1,143,047	1,150,000	1,150,000	1,150,000	0.0%
3XX170 PRJ - New Hogan O&M	56,533	110,645	85,004	107,005	-23.2%
3XX171 PRJ - Stone Drop O&M	30,363	61,442	69,248	34,797	12.7%
3XX175 PRJ - McClure O&M	1,014,791	1,071,083	1,175,732	1,152,484	9.8%
3XX180 PRJ - Woodland Operations	4,330,144	4,398,762	4,462,724	4,573,188	1.5%
3XX182 PRJ - Woodland Maintenance	5,842,412	11,189,198	6,485,032	6,665,310	-42.0%
3XX185 PRJ - Ripon O&M	1,883,820	1,991,685	1,961,271	2,008,742	-1.5%
3XX176 PRJ - McClure Fuel Expense	321,806	774,514	932,531	963,295	20.4%
3XX181 PRJ - Woodland Fuel Expense	12,016,960	16,752,020	16,651,076	16,034,567	-0.6%
3XX186 PRJ - Ripon Fuel Expense	745,126	1,918,667	1,439,523	1,314,948	-25.0%
Power Supply	<u>\$196,958,915</u>	<u>\$225,865,817</u>	<u>\$251,702,263</u>	<u>\$236,680,580</u>	11.4%

Capital Summary

2022 Capital Budget Division Summary District Capital

Project	2022 Adopted Budget
722401 PRJ - Microwave Radio System Upgrade	601,124
722402 PRJ - MID Website Redesign and Content Management System	320,000
722403 PRJ - Districtwide WiFi Replacement	200,000
722404 PRJ - Oracle EPM and Analytics Cloud Upgrade	290,000
7XX101 PRJ - Server Hardware/Software	237,000
7XX102 PRJ - Network Hardware/Software	210,000
7XX103 PRJ - Printers/Scanners/Projector	100,000
7XX119 PRJ - Comm Equip Upgrade	205,000
7XX138 PRJ - IT Security Infrastructure	560,000
CAP - 40 CAP - INFORMATION TECHNOLOGY DIVISION	2,723,124
722406 PRJ - EV Charging Project for Main Building	310,000
722407 PRJ - Service Center Ice Machine Replacement	25,000
722408 PRJ - Main Office Elevator Modernization	630,000
722405 PRJ - Replace Fleet Shop In-Ground Hoists	300,000
722421 PRJ - Replace Trailer 323	70,000
722423 PRJ - Replace Trailer 333	70,000
722410 PRJ - Replace Unit 012	45,000
722414 PRJ - Replace Unit 072	7,500
722416 PRJ - Replace Unit 144	7,500
722413 PRJ - Replace Vehicle 071	200,000
722415 PRJ - Replace Vehicle 123	50,000
722422 PRJ - Replace Vehicle 326	30,000
722424 PRJ - Replace Vehicle 339	42,000
722426 PRJ - Replace Vehicle 349	42,000
722433 PRJ - Additional Vehicle for Op-Tech Group 3	30,000
722436 PRJ - Replace Vehicle 701	50,000
722434 PRJ - Additional Vehicle for Op-Tech Group 1	30,000

2022 Capital Budget Division Summary District Capital

Project	2022 Adopted Budget
722435 PRJ - Additional Vehicle for Op-Tech Group 2	30,000
722417 PRJ - Replace Unit 178	500,000
722430 PRJ - Replace Unit 497	30,000
722437 PRJ - Mobile Column Lifts	100,000
722428 PRJ - Replace Unit 407	175,000
722432 PRJ - Replace Vehicle 501	65,000
722409 PRJ - Replace Vehicle 008	150,000
722429 PRJ - Replace Vehicle 435	45,000
722419 PRJ - Replace Vehicle 205	52,000
722412 PRJ - Replace Vehicle 057	65,000
722425 PRJ - Replace Vehicle 347	180,000
722431 PRJ - Replace Vehicle 499	180,000
722411 PRJ - Replace Vehicle 015	45,000
722427 PRJ - Replace Vehicle 385	45,000
722420 PRJ - Replace Vehicle 298	30,000
722418 PRJ - Replace Vehicle 191	52,000
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CAP - 50 CAP - FINANCE DIVISION	3,683,000
714331 PRJ - DP Generation Upgrade	5,996,395
714332 PRJ - DP Project Upgrade	5,209,609
722438 PRJ - DP Security - Physical improvements	19,000
722439 PRJ - DP Security - Camera Systems	14,200
722440 PRJ - DP Pallet Racks Warehouse	15,000
722441 PRJ - DP Housing	12,000
722442 PRJ - River Level Sensors	69,400
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CAP - 60 CAP - ELECTRIC RESOURCES DIVISION	11,335,604
666001 PRJ - RC-Overhead Services	529,838
666002 PRJ - RC-Underground Services	272,987
666003 PRJ - RC-Overhead Pvt Lighting (9000 Lumen)	38,577

2022 Capital Budget Division Summary District Capital

Project	2022 Adopted Budget
666005 PRJ - RC-Transm-Towers/Poles/Fixtures/Cond/Devices	9,770
666006 PRJ - RC-Dist-Towers/Poles/Fixtures/Cond/Devices	1,234,588
666007 PRJ - RC-Underground Conduits/Conductors/Devices	1,406,091
666008 PRJ - RC-Overhead Transformers	986,247
666009 PRJ - RC-Underground Transformers	1,853,532
719949 PRJ - 230kV Pole Painting-Joint Section	1,350,000
7XX106 PRJ - Mountain House Development	1,202,525
7XX107 PRJ - Mountain House Substructure	934,718
7XX108 PRJ - Pole Relocations	763,133
7XX109 PRJ - Conduit Installations	1,305,880
7XX111 PRJ - Pole Replace/Restorations	364,930
7XX113 PRJ - Contaminated Transf. Repl.	109,829
7XX123 PRJ - Primary System Improvements	134,039
7XX130 PRJ - OH #6 Copper Replacements	895,039
7XX132 PRJ - UG Cable Installation	379,930
7XX139 PRJ - Cap Bank Refurbishments	396,311
722444 PRJ - Standiford B46 Reconductor	131,951
722445 PRJ - Westley-Rosemore 230kV Pole Painting Project	190,000
722443 PRJ - Clough-Stockton 69kV Line Re-route	432,271
722449 PRJ - Standiford 115kV Bus and T1 Upgrade	4,160,227
722450 PRJ - Substation Transformer	966,424
722451 PRJ - Standiford B46 UG Reconductor	214,997
722452 PRJ - Kelman Breaker Analyzer	19,000
722453 PRJ - Micro Ohm Meter	8,791
722454 PRJ - Quick Connect Lead Set	7,400
722455 PRJ - Sf6 Gas Multi Analyzer	37,200
722456 PRJ - Vanguard Circuit Breaker Analyzer	19,200
722457 PRJ - Voltage Divider	90,400

2022 Capital Budget Division Summary District Capital

Project	2022 Adopted Budget
722458 PRJ - AutoCAD Document Management System	115,193
7XX124 PRJ - Substation Improvements	354,101
7XX143 PRJ - Ground Grid Improvements	157,316
720239 PRJ - Codoni (Beard Tract) Substation-SUB	699,000
722446 PRJ - Control Building - Sylvan	541,357
722447 PRJ - Station Panel Upgrade - Oakdale	109,299
722448 PRJ - Substation Security - Parker	151,097
666012 PRJ - RC-Revenue Meter Equip	858,513
CAP - 70 CAP - ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION	23,431,702
7XX114 PRJ - Don Pedro Recreation Agency	146,315
722459 PRJ - Reservoir Land Purchase	1,800,000
722460 PRJ - Fencing	50,000
7XX115 PRJ - District Pipeline Repl	557,685
7XX116 PRJ - Pump Modernization	578,231
7XX118 PRJ - Infrastructure Modernization	604,462
7XX126 PRJ - SCADA Automation	103,000
7XX137 PRJ - Measuring Gate Calibration	64,291
CAP - 80 CAP - WATER OPERATIONS DIVISION	3,903,983
722461 PRJ - Remodel Clerk Reception Desk	10,000
722462 PRJ - Boiler Replacement	25,000
722463 PRJ - Ozone Contactor Valve Rebuilds	20,000
722464 PRJ - Stabilization Basins Valve Rebuilds	25,000
722465 PRJ - Bobcat	60,000
722466 PRJ - Chemical Dosing Pumps	55,000
722467 PRJ - Lime System CIP Retrofit	125,000
722468 PRJ - Laboratory Dishwasher	15,000
722469 PRJ - Bacteriological Incubator	15,000
CAP - 81 CAP - DOMESTIC WATER DIVISION	350,000

2022 Capital Budget Division Summary District Capital

	2022 Adopted Budget
Project	
District Capital	\$45,427,413

Board of Directors

O&M

2022 O&M Budget Division Summary

OM - BOARD OF DIRECTORS DIVISION

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Prev. Budget to Current Budget
3XX500 PRJ - Board of Directors	175,799	254,220	361,100	254,060	42.0%
OM - 1010 OM - Directors	175,799	254,220	361,100	254,060	42.0%
3XX501 PRJ - Board Secretary Office	335,125	459,542	466,292	464,033	1.5%
OM - 1020 OM - Secretary's Office	335,125	459,542	466,292	464,033	1.5%
3XX510 PRJ - Legal Counsel	1,689,888	1,745,000	1,745,000	1,745,000	0.0%
3XX511 PRJ - Legal Claims	1,686,821	1,050,000	1,050,000	1,050,000	0.0%
3XX512 PRJ - MID Water Rights	8,916	250,000	250,000	250,000	0.0%
OM - 1030 OM - General Counsel	3,385,625	3,045,000	3,045,000	3,045,000	0.0%
OM - 10 OM - BOARD OF DIRECTORS DIVISION	<u>\$3,896,549</u>	<u>\$3,758,762</u>	<u>\$3,872,392</u>	<u>\$3,763,093</u>	3.0%

2022 O&M Budget Project Detail

Division: BOARD OF DIRECTORS DIVISION
Project Number: 3XX500

Department: 1010 Directors
Project Title: PRJ - Board of Directors

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	125,640	104,220	102,600	102,060	-2%
Materials & Supplies	43	3,000	3,000	3,000	0%
Outside Services	32,519	67,500	175,000	67,500	159%
Seminars & Meetings	16,929	79,000	80,000	81,000	1%
Administrative & General	668	500	500	500	0%
MID Equipment	0	0	0	0	0%
Totals	175,799	254,220	361,100	254,060	42%

Notes: Outside Services: Election costs every other year, next election in 2022; service awards.

2022 O&M Budget Project Detail

Division: BOARD OF DIRECTORS DIVISION
Project Number: 3XX501

Department: 1020 Secretary's Office
Project Title: PRJ - Board Secretary Office

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	333,915	473,267	480,794	478,345	2%
Labor Vacancy	0	-17,325	-17,502	-17,412	1%
Materials & Supplies	1,038	1,700	1,050	1,100	-38%
Outside Services	0	0	0	0	0%
Seminars & Meetings	65	1,000	1,050	1,100	5%
Administrative & General	107	900	900	900	0%
MID Equipment	0	0	0	0	0%
Totals	335,125	459,542	466,292	464,033	1%

2022 O&M Budget Project Detail

Division: BOARD OF DIRECTORS DIVISION
Project Number: 3XX510

Department: 1030 General Counsel Dept.
Project Title: PRJ - Legal Counsel

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	0	0	0	0	0%
Materials & Supplies	0	5,000	5,000	5,000	0%
Outside Services	1,689,789	1,700,000	1,700,000	1,700,000	0%
Seminars & Meetings	0	5,000	5,000	5,000	0%
Administrative & General	99	32,000	32,000	32,000	0%
MID Equipment	0	3,000	3,000	3,000	0%
Totals	1,689,888	1,745,000	1,745,000	1,745,000	0%

2022 O&M Budget Project Detail

Division: BOARD OF DIRECTORS DIVISION
Project Number: 3XX511

Department: 1030 General Counsel Dept.
Project Title: PRJ - Legal Claims

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	0	0	0	0	0%
Materials & Supplies	58	0	0	0	0%
Outside Services	954,263	750,000	750,000	750,000	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	732,500	300,000	300,000	300,000	0%
MID Equipment	0	0	0	0	0%
Totals	1,686,821	1,050,000	1,050,000	1,050,000	0%

2022 O&M Budget Project Detail

Division: BOARD OF DIRECTORS DIVISION
Project Number: 3XX512

Department: 1030 General Counsel Dept.
Project Title: PRJ - MID Water Rights

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	0	0	0	0	0%
Materials & Supplies	0	0	0	0	0%
Outside Services	0	250,000	250,000	250,000	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	8,916	0	0	0	0%
MID Equipment	0	0	0	0	0%
Totals	8,916	250,000	250,000	250,000	0%

Project Description: This account is used to budget funds for periodic Water Rights expenditures.

General Manager

O&M

2022 O&M Budget Division Summary

OM - GENERAL MANAGER DIVISION

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Prev. Budget to Current Budget
3XX520 PRJ - General Manager	861,408	805,391	817,830	795,180	1.5%
3XX521 PRJ - Regulatory Administration	814,330	1,123,277	1,092,787	1,114,713	-2.7%
3XX522 PRJ - District Seminar & Meetings	0	236,000	236,000	236,000	0.0%
3XX531 PRJ - Public Affairs	674,059	918,528	924,449	935,770	0.6%
3XX532 PRJ - Public Inform-Canal Safety	150,775	225,000	225,000	225,000	0.0%
3XX533 PRJ - Public Inform-Elect Safety	111,483	190,650	195,700	200,750	2.6%
3XX534 PRJ - Community Service	30,183	40,000	55,000	55,000	37.5%
OM - 2010 OM - General Manager	2,642,238	3,538,847	3,546,766	3,562,412	0.2%
OM - 20 OM - GENERAL MANAGER DIVISION	\$2,642,238	\$3,538,847	\$3,546,766	\$3,562,412	0.2%

2022 O&M Budget Project Detail

Division: GENERAL MANAGER DIVISION
Project Number: 3XX520

Department: 2010-D General Manager Department
Project Title: PRJ - General Manager

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	854,340	852,513	865,671	842,972	2%
Labor Vacancy	0	-53,072	-53,841	-53,842	1%
Materials & Supplies	401	1,750	1,750	1,750	0%
Outside Services	0	0	0	0	0%
Seminars & Meetings	4,738	1,600	1,650	1,700	3%
Administrative & General	1,324	0	0	0	0%
MID Equipment	606	2,600	2,600	2,600	0%
Totals	861,409	805,391	817,830	795,180	2%

Project Description: Project consists of labor for the General Manager Department.

Notes: Seminars & Meetings: MSR; TANC; same day travel expenses.

2022 O&M Budget Project Detail

Division: GENERAL MANAGER DIVISION
Project Number: 3XX521

Department: 2010-D General Manager Department
Project Title: PRJ - Regulatory Administration

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	178,414	469,725	476,595	488,195	1%
Materials & Supplies	60	1,000	1,000	1,000	0%
Outside Services	322,328	314,000	265,000	265,000	-16%
Seminars & Meetings	3,967	5,000	5,000	5,000	0%
Administrative & General	309,137	332,552	344,192	354,518	4%
MID Equipment	425	1,000	1,000	1,000	0%
Totals	814,331	1,123,277	1,092,787	1,114,713	-3%

Notes: Outside Services includes federal and state lobbyists for energy and water legislation; A&G includes association fees, i.e. APPA, ACWA and CMUA.

2022 O&M Budget Project Detail

Division: GENERAL MANAGER DIVISION
Project Number: 3XX522

Department: 2010-D General Manager Department
Project Title: PRJ - District Seminar & Meetings

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	0	0	0	0	0%
Materials & Supplies	0	0	0	0	0%
Outside Services	0	0	0	0	0%
Seminars & Meetings	0	236,000	236,000	236,000	0%
Administrative & General	0	0	0	0	0%
MID Equipment	0	0	0	0	0%
Totals	0	236,000	236,000	236,000	0%

Notes: Seminar & Meetings for entire District is budgeted under this account.

2022 O&M Budget Project Detail

Division: GENERAL MANAGER DIVISION
Project Number: 3XX531

Department: 2010-D General Manager Department
Project Title: PRJ - Public Affairs

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	390,881	446,828	452,449	463,570	1%
Materials & Supplies	384	46,400	46,500	46,500	0%
Outside Services	48,520	100,000	100,000	100,000	0%
Seminars & Meetings	1,998	2,400	2,600	2,800	8%
Administrative & General	232,276	322,900	322,900	322,900	0%
MID Equipment	0	0	0	0	0%
Totals	674,059	918,528	924,449	935,770	1%

Project Description: Public Affairs conducts media relations, crisis communications, educational outreach, and employee communications to support the MID mission & business plan.

Notes: Communications activities support mandates including demand reduction programs. A&G: energy efficiency productions.

Applicable Policy: Includes Public Benefit Policy, Community Service Donation Policy, Renewable Portfolio Standard, and MOU Stanislaus County Office of Emergency Services.

2022 O&M Budget Project Detail

Division: GENERAL MANAGER DIVISION
Project Number: 3XX532

Department: 2010-D General Manager Department
Project Title: PRJ - Public Inform-Canal Safety

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	0	0	0	0	0%
Materials & Supplies	0	5,000	5,000	5,000	0%
Outside Services	2,446	70,000	70,000	70,000	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	148,328	150,000	150,000	150,000	0%
MID Equipment	0	0	0	0	0%
Totals	150,774	225,000	225,000	225,000	0%

Project Description: Educational outreach targeting adults and children. Includes paid media, schools outreach, Tuolumne River Trust Trekking the Tuolumne schools program partnership, swim lessons sponsorships and other activities.

Notes: Supports MID liability management activities. Conforms to AEGIS recommendations about utility best practices.

Applicable Policy: MID liability management activities.

2022 O&M Budget Project Detail

Division: GENERAL MANAGER DIVISION
Project Number: 3XX533

Department: 2010-D General Manager Department
Project Title: PRJ - Public Inform-Elect Safety

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	0	0	0	0	0%
Materials & Supplies	0	650	700	750	8%
Outside Services	3,810	30,000	30,000	30,000	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	107,673	160,000	165,000	170,000	3%
MID Equipment	0	0	0	0	0%
Totals	111,483	190,650	195,700	200,750	3%

Project Description: Educational outreach program targeting adults and children. Includes paid media, schools outreach and other activities.

Notes: Supports MID liability management activities. Conforms to AEGIS recommendations about utility best practices.

Applicable Policy: MID liability management activities.

2022 O&M Budget Project Detail

Division: GENERAL MANAGER DIVISION
Project Number: 3XX534

Department: 2010-D General Manager Department
Project Title: PRJ - Community Service

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	0	0	0	0	0%
Materials & Supplies	0	0	0	0	0%
Outside Services	0	0	0	0	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	30,183	40,000	55,000	55,000	37%
MID Equipment	0	0	0	0	0%
Totals	30,183	40,000	55,000	55,000	38%

Project Description: Support for local non-profit, non-political organizations operating within MID's electric service area and benefiting MID customers.

Notes: Extends educational outreach and assists with meeting advertising, energy efficiency and public benefit goals. Includes annual support for Opportunity Stanislaus.

Applicable Policy: Community Service Policy - MID Board Resolution No. 2002-172.

Human Resources

O&M

2022 O&M Budget Division Summary

OM - HUMAN RESOURCES DIVISION

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Prev. Budget to Current Budget
3XX550 PRJ - Human Resources	630,060	881,388	898,910	921,020	2.0%
3XX552 PRJ - Training	260,992	489,804	498,908	511,879	1.9%
3XX560 PRJ - Recruitments	422,378	621,323	633,553	649,914	2.0%
3XX561 PRJ - Employee Programs	54,321	153,985	158,545	163,210	3.0%
3XX553 PRJ - Retirement Administration	390,566	458,217	472,978	487,122	3.2%
OM - 2410 OM - Human Resources	1,758,317	2,604,717	2,662,894	2,733,146	2.2%
OM - 24 OM - HUMAN RESOURCES DIVISION	\$1,758,317	\$2,604,717	\$2,662,894	\$2,733,146	2.2%

2022 O&M Budget Project Detail

Division: HUMAN RESOURCES DIVISION
Project Number: 3XX550

Department: 2410 Human Resources
Project Title: PRJ - Human Resources

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	596,818	828,350	843,769	864,188	2%
Labor Vacancy	0	-54,057	-55,027	-56,367	2%
Materials & Supplies	2,131	6,475	6,665	6,860	3%
Outside Services	6,990	44,320	45,643	46,970	3%
Seminars & Meetings	682	2,250	2,250	2,300	0%
Administrative & General	23,439	54,050	55,610	57,070	3%
MID Equipment	0	0	0	0	0%
Totals	630,060	881,388	898,910	921,021	2%

Project Description: Administers employee/labor relations programs and health benefit programs in accordance with District policy and applicable regulations.

Notes: Materials & Supplies: office supplies; Outside Services: flex spending admin fees; Seminars & Meetings: meeting supplies; A&G: business and legal publications; employee physicals (Class A; respiratory; hearing); security background checks.

Applicable Policy: Memorandum of Understanding; MID Employee Handbook; Meyers-Milias-Brown Act; Public Employment Relations Board; Equal Employment Opportunity Commission; Americans with Disabilities Act; Department of Fair Employment and Housing; Family and Medical Leave Act/California Family Rights Act; Fair Labor Standards Act; Consolidated Omnibus Budget Reconciliation Act; Health Insurance Portability and Accountability Act; Patient Protection and Affordable Care Act; Internal Revenue Code; Department of Transportation.

2022 O&M Budget Project Detail

Division: HUMAN RESOURCES DIVISION
Project Number: 3XX552

Department: 2410 Human Resources
Project Title: PRJ - Training

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	232,587	365,064	370,160	379,259	1%
Materials & Supplies	884	2,490	2,580	2,670	4%
Outside Services	14,439	110,930	114,500	117,930	3%
Seminars & Meetings	1,212	9,190	9,468	9,740	3%
Administrative & General	11,870	2,130	2,200	2,280	3%
MID Equipment	0	0	0	0	0%
Totals	260,992	489,804	498,908	511,879	2%

Project Description: Develops and implements District-wide mandated and voluntary professional development and training program in support of District objectives; supports the MID Wellness Program.

Notes: Materials & Supplies: training manuals; Outside Services: training consultant services to support leadership and general training; Seminars & Meetings: onsite training supplies; trainer certifications; A&G: training publications.

Applicable Policy: Training supports the MID Core Values & Mission & Vision statements with particular emphasis on quality, innovation, leadership and continuous improvement.

2022 O&M Budget Project Detail

Division: HUMAN RESOURCES DIVISION
Project Number: 3XX560

Department: 2410 Human Resources
Project Title: PRJ - Recruitments

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	317,963	449,713	456,893	468,074	2%
Materials & Supplies	0	3,360	3,450	3,540	3%
Outside Services	79,543	85,000	87,500	90,000	3%
Seminars & Meetings	579	8,650	8,910	9,200	3%
Administrative & General	24,293	74,600	76,800	79,100	3%
MID Equipment	0	0	0	0	0%
Totals	422,378	621,323	633,553	649,914	2%

Project Description: Administers recruitment and selection program in accordance with District policy and applicable regulations.

Notes: Materials & Supplies: new hire packets; Outside Services: background checks; relocation fees; consultant recruitment services to fill key positions; Seminars & Meetings: travel expenses for external candidates; A&G: advertising; new hire physicals.

Applicable Policy: Memorandum of Understanding; Employee Handbook; Equal Employment Opportunity Commission; Americans with Disabilities Act, Department of Fair Employment and Housing.

2022 O&M Budget Project Detail

Division: HUMAN RESOURCES DIVISION
Project Number: 3XX561

Department: 2410 Human Resources
Project Title: PRJ - Employee Programs

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	0	0	0	0	0%
Materials & Supplies	12,224	30,025	31,070	32,110	3%
Outside Services	5,400	21,000	21,600	22,300	3%
Seminars & Meetings	0	6,560	6,575	6,600	0%
Administrative & General	36,697	96,400	99,300	102,200	3%
MID Equipment	0	0	0	0	0%
Totals	54,321	153,985	158,545	163,210	3%

Project Description: Administers employee educational and professional development reimbursement program; wellness program; service awards; employee team leagues.

Notes: Materials & Supplies: service awards; team supplies; Outside Services: employee assistance program; A&G: employee licenses and certificates; employee recognition awards; wellness program incentives.

Applicable Policy: Memorandum of Understanding; Employee Handbook: Employee Programs supports the MID Core Values & Mission & Vision statements with particular emphasis on teamwork, innovation and continuous improvement.

2022 O&M Budget Project Detail

Division: HUMAN RESOURCES DIVISION
Project Number: 3XX553

Department: 2410 Human Resources
Project Title: PRJ - Retirement Administration

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	129,382	158,781	163,408	167,392	3%
Materials & Supplies	0	151	155	160	3%
Outside Services	261,183	295,550	305,570	315,590	3%
Seminars & Meetings	0	2,575	2,650	2,750	3%
Administrative & General	0	1,160	1,195	1,230	3%
MID Equipment	0	0	0	0	0%
Totals	390,565	458,217	472,978	487,122	3%

Project Description: Administers MID's defined benefit plan, defined contribution plans, and retiree medical plan; facilitates accordance with MID's pension plans and applicable regulations.

Notes: Outside Services: actuarial services; third party administration fees; Seminars & Meetings: consultant reimbursable expenses; A&G: death certificates; practitioner manuals and periodicals.

Applicable Policy: MID Retirement Plan Documents; Memorandum of Understanding; MID Employee Handbook; California Government Code; Internal Revenue Code.

Information Technology O&M

2022 O&M Budget Division Summary

OM - INFORMATION TECHNOLOGY DIVISION

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Prev. Budget to Current Budget
3XX650 PRJ - IT Administration	6,555,426	7,278,596	7,335,276	7,642,988	0.8%
OM - 4010 OM - Information Technology	6,555,426	7,278,596	7,335,276	7,642,988	0.8%
3XX655 PRJ - IT Systems Support	1,947,413	1,992,782	1,719,721	1,761,990	-13.7%
OM - 4020 OM - I.T. Systems Support	1,947,413	1,992,782	1,719,721	1,761,990	-13.7%
3XX660 PRJ - IT Applications Business Support	1,699,112	1,579,675	1,601,793	1,251,545	1.4%
OM - 4030 OM - I.T. Applications Business Support	1,699,112	1,579,675	1,601,793	1,251,545	1.4%
3XX661 PRJ - IT Applications Operations Support	1,252,747	1,256,897	1,314,039	1,346,337	4.5%
OM - 4035 OM - I.T. Applications Operations Support	1,252,747	1,256,897	1,314,039	1,346,337	4.5%
3XX665 PRJ - Technical Operations	976,492	1,418,042	1,628,598	1,483,895	14.8%
OM - 4040 OM - I.T. Technical Operations	976,492	1,418,042	1,628,598	1,483,895	14.8%
3XX656 PRJ - Network/Desktop Support	629,899	588,457	649,869	665,842	10.4%
OM - 4060 OM - Desktop Support	629,899	588,457	649,869	665,842	10.4%
3XX667 PRJ - IT Security	849,624	923,750	936,685	959,707	1.4%
OM - 4070 OM - Information Security	849,624	923,750	936,685	959,707	1.4%
OM - 40 OM - INFORMATION TECHNOLOGY DIVISION	<u><u>\$13,910,713</u></u>	<u><u>\$15,038,200</u></u>	<u><u>\$15,185,981</u></u>	<u><u>\$15,112,305</u></u>	1.0%

2022 O&M Budget Project Detail

Division: INFORMATION TECHNOLOGY DIVISION
Project Number: 3XX650

Department: 4010 Information Technology
Project Title: PRJ - IT Administration

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	833,690	1,028,231	1,043,401	1,068,704	1%
Labor Vacancy	0	-263,635	-266,823	-256,141	1%
Materials & Supplies	446,644	539,326	537,678	552,259	0%
Outside Services	762,397	651,474	629,700	710,300	-3%
Seminars & Meetings	10,014	8,000	8,000	8,000	0%
Administrative & General	4,502,681	5,315,200	5,383,320	5,559,866	1%
MID Equipment	0	0	0	0	0%
Totals	6,555,426	7,278,596	7,335,276	7,642,988	1%

Project Description: Administrative support for Information Technology such as telecommunications, operational systems, business systems and desktop support.

Notes: Materials & Supplies includes PC's and monitors; network and telecommunications parts; printing supplies; and security system parts; Outside Services includes hardware support and other consulting services; A&G includes software license fees, Software as a Service (SaaS) fees, telephone service, microwave site lease payments and electrical expenses.

Applicable Policy: District Mission; Business Plan; Information Technology Plan; NERC Critical Infrastructure (CIP) Protection Reliability Standards.

2022 O&M Budget Project Detail

Division: INFORMATION TECHNOLOGY DIVISION
Project Number: 3XX655

Department: 4020 I.T. Systems Support
Project Title: PRJ - IT Systems Support

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	1,937,699	1,992,782	1,719,721	1,761,990	-14%
Materials & Supplies	54	0	0	0	0%
Outside Services	9,560	0	0	0	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	100	0	0	0	0%
MID Equipment	0	0	0	0	0%
Totals	1,947,413	1,992,782	1,719,721	1,761,990	-14%

Project Description: Labor support for IT network and server infrastructure support.

Notes: IT Systems Support operates, maintains and administers the District's IT infrastructure which includes servers, network devices, storage arrays, disaster recovery and security systems, databases and cloud services. Key duties include network administration, database administration, server and storage administration, email system administration, documentation management system administration, virtual environment administration and infrastructure planning. IT Systems also provides support for the NERC CIP Incident Response and Disaster Recovery requirements. Labor and Benefits reflects reclassification of Senior Systems Programmer.

Applicable Policy: District Mission; Business Plan; Information Technology Plan; NERC Critical Infrastructure (CIP) Protection Reliability Standards.

2022 O&M Budget Project Detail

Division: INFORMATION TECHNOLOGY DIVISION
Project Number: 3XX660

Department: 4030 I.T. Applications Business Support
Project Title: PRJ - IT Applications Business Support

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	1,699,112	1,579,675	1,601,793	1,251,545	1%
Materials & Supplies	0	0	0	0	0%
Outside Services	0	0	0	0	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	0	0	0	0	0%
Totals	1,699,112	1,579,675	1,601,793	1,251,545	1%

Project Description: Labor for the support and maintenance of the District's Enterprise Business Applications.

Notes: IT Applications Business Support Department supports and maintains the District's business applications including the Customer Information System, Financial Information System and Human Resource Information System. Duties include business process automation; software upgrades; batch process implementation; software configuration; data analysis and reporting; software design; and special project implementation.

Applicable Policy: District Mission; Business Plan; Information Technology Plan; NERC Critical Infrastructure (CIP) Protection Reliability Standards.

2022 O&M Budget Project Detail

Division: INFORMATION TECHNOLOGY DIVISION
Project Number: 3XX661

Department: 4035 I.T. Applications Operations Support
Project Title: PRJ - IT Applications Operations Support

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	1,252,747	1,256,897	1,314,039	1,346,337	5%
Materials & Supplies	0	0	0	0	0%
Outside Services	0	0	0	0	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	0	0	0	0	0%
Totals	1,252,747	1,256,897	1,314,039	1,346,337	5%

Project Description: Labor for the support and maintenance of the District's Operational Applications.

Notes: The IT Applications Operational Support Department maintains and supports the District's operational applications such as SCADA, Geographic Information Systems, Work Management Systems, and Advanced Meter Infrastructure. Duties include SCADA programming, software upgrades, geographic data analysis, meter usage analysis, software configuration, and mobile work management development and support.

Applicable Policy: District Mission; Business Plan; Information Technology Plan; Reliability and Safety.

2022 O&M Budget Project Detail

Division: INFORMATION TECHNOLOGY DIVISION
Project Number: 3XX665

Department: 4040 I.T. Technical Operations
Project Title: PRJ - Technical Operations

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	969,567	1,418,042	1,628,598	1,483,895	15%
Materials & Supplies	55	0	0	0	0%
Outside Services	0	0	0	0	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	6,870	0	0	0	0%
Totals	976,492	1,418,042	1,628,598	1,483,895	15%

Project Description: Labor to maintain District's telecommunications network and security systems.

Notes: Labor to perform maintenance and support on the District's telecommunications and physical security infrastructure including; microwave; fiber-optic; security cameras; and physical access control systems. Typical duties include maintenance on over 50 telecommunication sites throughout the District's service territory; wiring of Remote Terminal Units; calibration and testing of Irrigation Programmable Logic Controls; telephone Private Branch Exchange programming; installation of card access readers; CAT5/6 wiring for office remodels; troubleshooting camera system issues. Labor and Benefits reflects addition of succession position.

Applicable Policy: District Mission; Business Plan; Information Technology Plan; NERC Critical Infrastructure (CIP) Protection Reliability Standards.

2022 O&M Budget Project Detail

Division: INFORMATION TECHNOLOGY DIVISION
Project Number: 3XX656

Department: 4060 Desktop Support
Project Title: PRJ - Network/Desktop Support

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	629,661	588,457	649,869	665,842	10%
Materials & Supplies	0	0	0	0	0%
Outside Services	0	0	0	0	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	238	0	0	0	0%
Totals	629,899	588,457	649,869	665,842	10%

Project Description: Labor support for network, printer/copier and desktop support.

Notes: Network/Desktop Support staff include the Help Desk staff needed to update and maintain desktop computers. Help Desk staff also assist with operating system patches and security updates to desktop computers including those required to maintain NERC reliability standards. Labor and Benefits reflects Senior Systems Programmer.

Applicable Policy: District Mission; Business Plan; Information Technology Plan; NERC Critical Infrastructure (CIP) Protection Reliability Standards.

2022 O&M Budget Project Detail

Division: INFORMATION TECHNOLOGY DIVISION
Project Number: 3XX667

Department: 4070 Information Security
Project Title: PRJ - IT Security

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	849,624	923,750	936,685	959,707	1%
Materials & Supplies	0	0	0	0	0%
Outside Services	0	0	0	0	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	0	0	0	0	0%
Totals	849,624	923,750	936,685	959,707	1%

Project Description: Labor to support the District's information security and critical infrastructure protection compliance programs.

Notes: Information Security staff is responsible for NERC CIP compliance as well as for designing, implementing and monitoring the District's defense-in-depth cyber security systems. Duties include; defining firewall rules; conducting vulnerability assessments; researching security tools and controls; developing and maintaining various security procedures; monitoring threats; reviewing security logs.

Applicable Policy: District Mission; NERC Critical Infrastructure Protection (CIP) Reliability Standards; Information Technology Plan.

Finance

O&M

2022 O&M Budget Division Summary OM - FINANCE DIVISION

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Prev. Budget to Current Budget
3XX700 PRJ - Finance Admin	690,217	260,822	263,341	286,863	1.0%
3XX710 PRJ - Treasurer	445,126	368,084	432,824	439,475	17.6%
3XX711 PRJ - Financing Related Expense	62,465	140,000	145,000	145,000	3.6%
3XX715 PRJ - Retirement Investment Expense	547,147	1,100,000	900,000	950,000	-18.2%
OM - 5010 OM - Finance	1,744,955	1,868,906	1,741,164	1,821,338	-6.8%
3XX702 PRJ - Pricing/Risk Management	511,197	688,481	711,129	727,896	3.3%
OM - 5015 OM - Planning Pricing and Risk	511,197	688,481	711,129	727,896	3.3%
3XX755 PRJ - Safety Admin	282,848	401,213	139,206	142,566	-65.3%
3XX756 PRJ - Safety	472,434	675,640	686,250	698,885	1.6%
OM - 5020 OM - Saftey	755,282	1,076,854	825,455	841,451	-23.3%
3XX720 PRJ - Controller	514,397	629,038	643,002	660,543	2.2%
3XX725 PRJ - Accounting	1,193,484	1,144,482	1,160,916	1,188,740	1.4%
OM - 5040 OM - Controller	1,707,881	1,773,521	1,803,918	1,849,283	1.7%
3XX730 PRJ - Customer Services Admin	554,853	738,388	749,102	745,478	1.5%
3XX735 PRJ - Billing	1,821,144	2,353,252	2,372,976	2,352,050	0.8%
3XX740 PRJ - Call Center	1,551,204	2,176,296	2,208,805	2,198,720	1.5%
3XX750 PRJ - Cash Accounting	2,010,066	2,174,001	2,391,804	2,399,234	10.0%
OM - 5050 OM - Customer Services	5,937,266	7,441,937	7,722,687	7,695,483	3.8%
3XX775 PRJ - Risk & Property	982,888	1,085,976	1,107,899	1,060,961	2.0%
3XX777 PRJ - Environmental	256,568	547,038	568,872	576,936	4.0%
OM - 5030 OM - General Services	1,239,456	1,633,014	1,676,771	1,637,896	2.7%
3XX780 PRJ - Building Services	1,632,873	2,248,451	2,304,919	2,347,848	2.5%
OM - 5031 OM - Buildings & Grounds	1,632,873	2,248,451	2,304,919	2,347,848	2.5%
3XX785 PRJ - Purchasing	789,886	746,822	941,882	953,782	26.1%
3XX786 PRJ - Materials Handling	918,487	885,659	903,090	927,710	2.0%
OM - 5032 OM - Purchasing & Materials Handling	1,708,373	1,632,480	1,844,972	1,881,492	13.0%

2022 O&M Budget Division Summary OM - FINANCE DIVISION

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Prev. Budget to Current Budget
3XX998 PRJ - Equipment Clearing	-1,296,765	-3,231,116	-3,324,320	-3,261,289	2.9%
3XX790 PRJ - Fleet Maintenance	842,184	812,986	821,307	833,702	1.0%
3XX791 PRJ - Vehicles & Equipment	1,355,392	2,418,130	2,503,013	2,427,587	3.5%
OM - 5033 OM - Fleet Maintenance	900,811	0	0	0	N/A
3XX760 PRJ - Energy Services	1,935,152	2,148,995	2,172,484	2,196,366	1.1%
3XX763 PRJ - Energy Management	1,907,209	3,803,674	3,824,330	3,562,840	0.5%
3XX764 PRJ - Solar Photovoltaic PBI	593,238	500,000	150,000	150,000	-70.0%
OM - 5065 OM - Energy Services	4,435,598	6,452,669	6,146,815	5,909,205	-4.7%
OM - 50 OM - FINANCE DIVISION	\$20,573,692	\$24,816,312	\$24,777,830	\$24,711,893	-0.2%

2022 O&M Budget Project Detail

Division: FINANCE DIVISION
Project Number: 3XX700

Department: 5010 Finance
Project Title: PRJ - Finance Admin

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	590,616	548,401	556,676	570,086	2%
Labor Vacancy	0	-513,080	-518,836	-508,723	1%
Materials & Supplies	655	0	0	0	0%
Outside Services	95,255	220,000	220,000	220,000	0%
Seminars & Meetings	1,366	2,500	2,500	2,500	0%
Administrative & General	2,324	3,000	3,000	3,000	0%
MID Equipment	0	0	0	0	0%
Totals	690,216	260,821	263,340	286,863	1%

Project Description: The Finance Division supports MID operations by providing financial services to manage MID funds, pay employees and vendors, manage risk and ensure financial viability.

Notes: Outside services reflects work for rate studies, economic analysis and outside resources. A&G includes association dues and subscriptions for Government Finance Officers Association.

2022 O&M Budget Project Detail

Division: FINANCE DIVISION
Project Number: 3XX710

Department: 5010 Finance
Project Title: PRJ - Treasurer

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	187,092	167,684	170,024	174,203	1%
Materials & Supplies	0	0	0	0	0%
Outside Services	258,034	200,000	262,400	264,872	31%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	400	400	400	0%
MID Equipment	0	0	0	0	0%
Totals	445,126	368,084	432,824	439,475	18%

Notes: Outside Services includes Public Financial Management asset management for investment advisory services. Increased to reflect actual spend.

2022 O&M Budget Project Detail

Division: FINANCE DIVISION
Project Number: 3XX711

Department: 5010 Finance
Project Title: PRJ - Financing Related Expense

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	0	0	0	0	0%
Materials & Supplies	0	0	0	0	0%
Outside Services	62,465	140,000	145,000	145,000	4%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	0	0	0	0	0%
Totals	62,465	140,000	145,000	145,000	4%

Project Description: Project contains costs for administering and maintaining District financings.

Notes: Outside Services: Financing related expenses including Trustee and Rating Agency fees.

2022 O&M Budget Project Detail

Division: FINANCE DIVISION
Project Number: 3XX715

Department: 5010 Finance
Project Title: PRJ - Retirement Investment Expense

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	0	0	0	0	0%
Materials & Supplies	0	0	0	0	0%
Outside Services	547,147	1,100,000	900,000	950,000	-18%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	0	0	0	0	0%
Totals	547,147	1,100,000	900,000	950,000	-18%

Project Description: Asset Management Fees for District Basic, Supplemental Plan, and Retiree Medical Trust.

2022 O&M Budget Project Detail

Division: FINANCE DIVISION
Project Number: 3XX702

Department: 5015 Planning Pricing and Risk
Project Title: PRJ - Pricing/Risk Management

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	475,855	641,752	663,774	679,910	3%
Materials & Supplies	336	0	0	0	0%
Outside Services	30,604	42,500	43,000	43,500	1%
Seminars & Meetings	541	0	0	0	0%
Administrative & General	3,861	4,228	4,355	4,486	3%
MID Equipment	0	0	0	0	0%
Totals	511,197	688,480	711,129	727,896	3%

Project Description: The account includes the Planning, Pricing and Risk Management activities. Staff is responsible for overseeing the District Pricing/Risk Management, Planning/Budgeting and Retail Electric Rates.

Notes: Outside Services includes Bloomberg, risk software, and financial planning software support. A&G: Publications, software upgrades, electronic data.

2022 O&M Budget Project Detail

Division: FINANCE DIVISION
Project Number: 3XX755

Department: 5020 Safety
Project Title: PRJ - Safety Admin

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	275,615	357,063	94,006	96,316	-74%
Materials & Supplies	794	2,150	2,200	2,250	2%
Outside Services	3,608	39,000	40,000	41,000	3%
Seminars & Meetings	1,073	1,500	1,500	1,500	0%
Administrative & General	1,759	1,500	1,500	1,500	0%
MID Equipment	0	0	0	0	0%
Totals	282,849	401,213	139,206	142,566	-65%

Notes: Materials & Supplies: staff safety equipment, office and training supplies and promotional items; Outside Services: emergency action planning and consulting, compliance audits.

2022 O&M Budget Project Detail

Division: FINANCE DIVISION
Project Number: 3XX756

Department: 5020 Safety
Project Title: PRJ - Safety

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	395,425	549,173	556,963	566,450	1%
Materials & Supplies	37,555	16,167	16,527	16,760	2%
Outside Services	11,814	46,830	48,040	49,250	3%
Seminars & Meetings	4,831	5,100	5,100	5,100	0%
Administrative & General	22,741	57,295	58,520	60,175	2%
MID Equipment	68	1,075	1,100	1,150	2%
Totals	472,434	675,640	686,250	698,885	2%

Project Description: Administers safety compliance and safety training in accordance with District policy and applicable regulations.

Notes: Outside Services: safety practical and technical training (ex: confined spaces, forklift/aerial lift, Hazwoper/CPR). Seminars & Meetings: training supplies; A&G: online training subscriptions, safety incentive program.

Applicable Policy: Memorandum of Understanding; MID Employee Handbook; MID Injury & Illness Prevention Program; Safety Manual; Occupational Safety and Health Administration.

2022 O&M Budget Project Detail

Division: FINANCE DIVISION
Project Number: 3XX720

Department: 5040 Controller Department
Project Title: PRJ - Controller

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	293,556	300,238	304,437	311,920	1%
Materials & Supplies	0	0	0	0	0%
Outside Services	220,492	325,500	335,265	345,323	3%
Seminars & Meetings	349	2,200	2,200	2,200	0%
Administrative & General	0	1,100	1,100	1,100	0%
MID Equipment	0	0	0	0	0%
Totals	514,397	629,038	643,002	660,543	2%

Notes: Outside services include financial audit services for MID, MIDFA, Retiree Medical Benefits, Basic and Supplemental Plans.

2022 O&M Budget Project Detail

Division: FINANCE DIVISION
Project Number: 3XX725

Department: 5040 Controller Department
Project Title: PRJ - Accounting

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	1,183,240	1,125,582	1,142,016	1,169,840	1%
Materials & Supplies	8,174	13,000	13,000	13,000	0%
Outside Services	0	0	0	0	0%
Seminars & Meetings	1,792	3,800	3,800	3,800	0%
Administrative & General	278	2,100	2,100	2,100	0%
MID Equipment	0	0	0	0	0%
Totals	1,193,484	1,144,482	1,160,916	1,188,740	1%

Notes: Material & Supplies: includes check stock orders; Office Supplies consolidated for Finance Division; A&G includes GASB and Payroll publications.

2022 O&M Budget Project Detail

Division: FINANCE DIVISION
Project Number: 3XX730

Department: 5050 Customer Services
Project Title: PRJ - Customer Services Admin

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	519,417	684,374	694,588	690,464	1%
Materials & Supplies	2,842	5,500	5,500	5,500	0%
Outside Services	20,152	32,514	32,514	32,514	0%
Seminars & Meetings	4,911	3,000	3,000	3,000	0%
Administrative & General	7,531	12,500	13,000	13,500	4%
MID Equipment	0	500	500	500	0%
Totals	554,853	738,388	749,102	745,478	1%

Notes: Outside Services: Auto dialer (Intrado), Skip Tracing (Redsson); Materials & Supplies: office supplies; A&G: Chartwell membership.

2022 O&M Budget Project Detail

Division: FINANCE DIVISION
Project Number: 3XX735

Department: 5050 Customer Services
Project Title: PRJ - Billing

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	1,014,517	1,284,052	1,303,776	1,282,850	2%
Materials & Supplies	412	5,500	5,500	5,500	0%
Outside Services	743,595	1,000,000	1,000,000	1,000,000	0%
Seminars & Meetings	0	100	100	100	0%
Administrative & General	62,619	63,600	63,600	63,600	0%
MID Equipment	0	0	0	0	0%
Totals	1,821,143	2,353,252	2,372,976	2,352,050	1%

Notes: Outside Services: Infosend and Power Up IVR (CyberSource through Wells Fargo); A&G: court filing fees, phones and wifi. The increase in A&G reflects the recategorization of SmartGridCIS/Power Up under software as a service from Outside Services to A&G.

2022 O&M Budget Project Detail

Division: FINANCE DIVISION
Project Number: 3XX740

Department: 5050 Customer Services
Project Title: PRJ - Call Center

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	1,547,258	2,166,608	2,199,117	2,189,032	2%
Materials & Supplies	2,985	5,500	5,500	5,500	0%
Outside Services	311	2,400	2,400	2,400	0%
Seminars & Meetings	0	100	100	100	0%
Administrative & General	650	1,688	1,688	1,688	0%
MID Equipment	0	0	0	0	0%
Totals	1,551,204	2,176,296	2,208,805	2,198,720	1%

Notes: Outside Services: interpreter services (Language Line); A&G: phone for Call Center Supervisor.

2022 O&M Budget Project Detail

Division: FINANCE DIVISION
Project Number: 3XX750

Department: 5050 Customer Services
Project Title: PRJ - Cash Accounting

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	1,277,681	1,362,773	1,380,576	1,388,006	1%
Materials & Supplies	1,428	5,500	5,500	5,500	0%
Outside Services	730,957	800,000	1,000,000	1,000,000	25%
Seminars & Meetings	0	100	100	100	0%
Administrative & General	0	3,377	3,377	3,377	0%
MID Equipment	0	2,251	2,251	2,251	0%
Totals	2,010,066	2,174,001	2,391,804	2,399,234	10%

Notes: Materials & Supplies: Cashiering Station Supplies, Remittance Supplies; Outside Services: Opex Mail Opener, Cash Courier, US Payments & Ebilling fees, IVR & eBilling fees (Chase Paymentech), IVR & eBill Processor (InvoiceCloud); A&G: phone for Cash Accounting Supervisor.

2022 O&M Budget Project Detail

Division: FINANCE DIVISION
Project Number: 3XX775

Department: 5030 General Services
Project Title: PRJ - Risk & Property

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	767,289	792,056	805,286	749,395	2%
Materials & Supplies	613	2,000	2,000	2,000	0%
Outside Services	212,370	289,770	298,463	307,416	3%
Seminars & Meetings	1,313	1,300	1,300	1,300	0%
Administrative & General	1,303	850	850	850	0%
MID Equipment	0	0	0	0	0%
Totals	982,888	1,085,976	1,107,899	1,060,961	2%

Notes: The main components of the Outside Services account are the security guards and the iGuard perimeter security system. There are guards assigned to the downtown building as well as a guard assigned to the Service Center. In addition to security guards, there is a perimeter security system installed which is being monitored during evening hours, weekends and holidays.

2022 O&M Budget Project Detail

Division: FINANCE DIVISION
Project Number: 3XX777

Department: 5030 General Services
Project Title: PRJ - Environmental

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	148,076	386,054	391,681	394,686	1%
Materials & Supplies	1,499	7,800	8,000	8,135	3%
Outside Services	93,891	121,155	136,785	141,250	13%
Seminars & Meetings	13	2,490	2,490	2,550	0%
Administrative & General	12,849	28,139	28,516	28,865	1%
MID Equipment	241	1,400	1,400	1,450	0%
Totals	256,569	547,038	568,872	576,936	4%

Project Description: Toxic/Hazardous Waste Disposal: Selling obsolete equipment for recycling.

Notes: Materials & Supplies: containers for Haz-Mat waste disposal; Outside Services: includes toxic and hazardous waste transportation and disposal; A&G: includes permit fees and hazardous waste tax and fees.

2022 O&M Budget Project Detail

Division: FINANCE DIVISION
Project Number: 3XX780

Department: 5031 Buildings & Grounds
Project Title: PRJ - Building Services

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	717,697	687,536	697,838	691,404	1%
Materials & Supplies	131,395	402,694	415,522	428,725	3%
Outside Services	357,393	493,562	508,368	523,619	3%
Seminars & Meetings	0	600	600	600	0%
Administrative & General	424,805	631,060	648,591	668,500	3%
MID Equipment	1,584	33,000	34,000	35,000	3%
Totals	1,632,874	2,248,452	2,304,919	2,347,848	3%

Notes: Outside Services: custodial management, building HVAC, service contracts with various vendors, main office roof coating, interior paint; A&G: utilities, MID Electric.

2022 O&M Budget Project Detail

Division: FINANCE DIVISION
Project Number: 3XX785

Department: 5032 Purchasing & Materials Handling
Project Title: PRJ - Purchasing

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	777,074	739,998	934,787	946,351	26%
Materials & Supplies	11,411	4,740	4,911	5,147	4%
Outside Services	0	0	0	0	0%
Seminars & Meetings	0	694	725	755	4%
Administrative & General	1,401	1,390	1,459	1,529	5%
MID Equipment	0	0	0	0	0%
Totals	789,886	746,822	941,882	953,782	26%

Notes: Materials & Supplies: includes office supplies and postage for issuing contracts and bids; A&G: includes association dues and publications.

Applicable Policy: Comply with policy of central Purchasing Department to procure material and supplies in support of District goals.

2022 O&M Budget Project Detail

Division: FINANCE DIVISION
Project Number: 3XX786

Department: 5032 Purchasing & Materials Handling
Project Title: PRJ - Materials Handling

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	830,145	782,697	795,318	814,779	2%
Materials & Supplies	65,403	72,179	75,773	79,544	5%
Outside Services	10,380	16,289	17,102	17,955	5%
Seminars & Meetings	977	0	0	0	0%
Administrative & General	2,664	4,400	4,500	4,724	2%
MID Equipment	8,918	10,094	10,397	10,709	3%
Totals	918,487	885,659	903,090	927,711	2%

Project Description: Material Handling receives, stores, and issues material to meet the needs of the District.

Notes: Materials & Supplies: routine equipment replacements including saws, generators, ladders and safety equipment; Outside Services: gas monitor program, repair of weight scales and gates; Equipment: 2021 adjusted to reflect expected expenditures.

2022 O&M Budget Project Detail

Division: FINANCE DIVISION
Project Number: 3XX998

Department: 5033 Fleet Maintenance
Project Title: PRJ - Equipment Clearing

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	0	0	0	0	0%
Materials & Supplies	0	0	0	0	0%
Outside Services	0	0	0	0	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	-1,296,765	-3,231,116	-3,324,320	-3,261,289	3%
Totals	-1,296,765	-3,231,116	-3,324,320	-3,261,289	3%

2022 O&M Budget Project Detail

Division: FINANCE DIVISION
Project Number: 3XX790

Department: 5033 Fleet Maintenance
Project Title: PRJ - Fleet Maintenance

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	743,055	594,342	602,819	614,714	1%
Materials & Supplies	31,267	88,187	91,001	91,501	3%
Outside Services	6,844	24,700	25,595	25,595	4%
Seminars & Meetings	1,068	10,000	3,262	3,262	-67%
Administrative & General	59,872	91,352	94,093	94,093	3%
MID Equipment	79	4,405	4,537	4,537	3%
Totals	842,185	812,986	821,307	833,702	1%

Notes: All indirect costs associated with maintaining the District's Fleet and any other services provided to other departments within the District, such as welding, fabricating, and repairing non vehicle related equipment in the field. Increase in Seminars & Meetings to reflect additional out of state welding training and aerial training.

2022 O&M Budget Project Detail

Division: FINANCE DIVISION
Project Number: 3XX791

Department: 5033 Fleet Maintenance
Project Title: PRJ - Vehicles & Equipment

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	639,092	1,353,810	1,378,221	1,242,018	2%
Materials & Supplies	670,808	1,026,880	1,086,386	1,146,172	6%
Outside Services	44,529	37,440	38,406	39,397	3%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	720	0	0	0	0%
MID Equipment	244	0	0	0	0%
Totals	1,355,393	2,418,130	2,503,013	2,427,587	4%

Notes: Materials & Supplies: All materials, parts, tires, and other maintenance/repair items needed to maintain and repair the District's fleet. Outside Services: annual aerial truck inspection and dielectric training for staff. All costs directly related to maintaining the District's fleet. The 6% increase in Materials & Supplies is to account for the large increases we are seeing in fleet related costs from vendors.

2022 O&M Budget Project Detail

Division: FINANCE DIVISION
Project Number: 3XX760

Department: 5065 Energy Services
Project Title: PRJ - Energy Services

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	1,638,287	1,647,995	1,671,484	1,695,366	1%
Materials & Supplies	1,615	72,000	72,000	72,000	0%
Outside Services	246,145	425,000	425,000	425,000	0%
Seminars & Meetings	144	1,000	1,000	1,000	0%
Administrative & General	48,560	3,000	3,000	3,000	0%
MID Equipment	400	0	0	0	0%
Totals	1,935,151	2,148,995	2,172,484	2,196,366	1%

Project Description: Design and testing of new energy efficiency and low income programs, project tracking reporting, budgeting customer energy consumption issues, interface with vendors and customers, business customers, and government agencies as well as contract management. Promotion of CARES, coordination of Medical Life Support program, Energy 411, and coordination of low income agencies.

Notes: Outside Services: weatherization funding for low income. A&G: literature for programs.

Applicable Policy: Low income weatherization services mandated by AB-1890

2022 O&M Budget Project Detail

Division: FINANCE DIVISION
Project Number: 3XX763

Department: 5065 Energy Services
Project Title: PRJ - Energy Management

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	571,611	930,474	951,130	689,640	2%
Materials & Supplies	12,165	26,000	26,000	26,000	0%
Outside Services	40,320	93,000	233,000	233,000	151%
Seminars & Meetings	39	1,200	1,200	1,200	0%
Administrative & General	1,282,547	2,750,000	2,610,000	2,610,000	-5%
MID Equipment	527	3,000	3,000	3,000	0%
Totals	1,907,209	3,803,674	3,824,330	3,562,840	1%

Project Description: Direct interaction with residential and small business customers through energy audits, rate analysis, and public events. Rebate program promotion qualification inspection.

Notes: A&G: energy efficiency rebates based on MID goals. Outside Services: energy efficiency monitoring and verification study contracts; Increase due to Automated Energy Load Profiling Tool, Contract Energy Efficiency Engineering, and CMUA Energy Efficiency Programs cost-share.

2022 O&M Budget Project Detail

Division: FINANCE DIVISION
Project Number: 3XX764

Department: 5065 Energy Services
Project Title: PRJ - Solar Photovoltaic PBI

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	0	0	0	0	0%
Materials & Supplies	0	0	0	0	0%
Outside Services	0	0	0	0	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	593,238	500,000	150,000	150,000	-70%
MID Equipment	0	0	0	0	0%
Totals	593,238	500,000	150,000	150,000	-70%

Project Description: Funding for rebate incentives and monitoring and verification associated with the SB-1 mandated programs; includes PBI only.

Notes: A&G: funding legacy performance solar rebates. Decrease due to solar PBI contracts phasing out.

Other Expenses

O&M

2022 O&M Budget Division Summary

OM - OTHER EXPENSES DIVISION

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Prev. Budget to Current Budget
3XX954 PRJ - Claims/Other Write Offs	597,586	621,100	631,100	641,100	1.6%
3XX958 PRJ - Don Pedro Rec Agency Expense	559,438	626,652	705,247	726,405	12.5%
3XX959 PRJ - Electric Retail Write Offs	2,944,250	2,300,000	2,300,000	2,300,000	0.0%
3XX960 PRJ - Insurance	1,769,410	2,195,331	2,642,296	3,071,888	20.4%
3XX966 PRJ - Permission and Municipal Fees	549,821	600,000	600,000	600,000	0.0%
3XX967 PRJ - Retiree Medical Expense	8,250,557	10,175,413	10,306,552	10,330,698	1.3%
3XX968 PRJ - Warehouse Sales Cost	42,244	5,000	5,000	5,000	0.0%
3XX969 PRJ - WBO Costs	1,695,745	1,375,000	1,375,000	1,375,000	0.0%
OM - 5800 OM - Other Expense	14,713,306	17,898,496	18,565,195	19,050,091	3.7%
OM - 58 OM - OTHER EXPENSES DIVISION	\$14,713,306	\$17,898,496	\$18,565,195	\$19,050,091	3.7%

2022 O&M Budget Project Detail

Division: OTHER EXPENSES DIVISION
Project Number: 3XX954

Department: 5800 Other Expense
Project Title: PRJ - Claims/Other Write Offs

	2020	2021	2022	2023	% Change	
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget	station
Labor & Benefits	0	0	0	0	0%	
Materials & Supplies	0	0	0	0	0%	
Outside Services	0	0	0	0	0%	
Seminars & Meetings	0	0	0	0	0%	
Administrative & General	597,586	621,100	631,100	641,100	2%	
MID Equipment	0	0	0	0	0%	
Totals	597,586	621,100	631,100	641,100	2%	

2022 O&M Budget Project Detail

Division: OTHER EXPENSES DIVISION
Project Number: 3XX958

Department: 5800 Other Expense
Project Title: PRJ - Don Pedro Rec Agency Expense

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	0	0	0	0	0%
Materials & Supplies	0	0	0	0	0%
Outside Services	559,438	626,652	705,247	726,405	13%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	0	0	0	0	0%
Totals	559,438	626,652	705,247	726,405	13%

Project Description: MID portion of operating costs associated with Don Pedro Recreation Agency shared with TID and CCSF.

2022 O&M Budget Project Detail

Division: OTHER EXPENSES DIVISION
Project Number: 3XX959

Department: 5800 Other Expense
Project Title: PRJ - Electric Retail Write Offs

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Income & Expense	40,100	0	0	0	0%
Labor & Benefits	0	0	0	0	0%
Materials & Supplies	0	0	0	0	0%
Outside Services	0	0	0	0	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	2,904,150	2,300,000	2,300,000	2,300,000	0%
MID Equipment	0	0	0	0	0%
Totals	2,944,250	2,300,000	2,300,000	2,300,000	0%

Project Description: Costs associated with uncollectable electric service bills.

2022 O&M Budget Project Detail

Division: OTHER EXPENSES DIVISION
Project Number: 3XX960

Department: 5800 Other Expense
Project Title: PRJ - Insurance

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	0	0	0	0	0%
Materials & Supplies	0	0	0	0	0%
Outside Services	0	0	0	0	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	1,769,410	2,195,331	2,642,296	3,071,888	20%
MID Equipment	0	0	0	0	0%
Totals	1,769,410	2,195,331	2,642,296	3,071,888	20%

Project Description: Insurance costs associated with District Facilities.

2022 O&M Budget Project Detail

Division: OTHER EXPENSES DIVISION
Project Number: 3XX966

Department: 5800 Other Expense
Project Title: PRJ - Permission and Municipal Fees

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	0	0	0	0	0%
Materials & Supplies	0	0	0	0	0%
Outside Services	0	0	0	0	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	549,821	600,000	600,000	600,000	0%
MID Equipment	0	0	0	0	0%
Totals	549,821	600,000	600,000	600,000	0%

Project Description: Permission fees paid to city agencies and Non-Municipal Departing Load (NMDL) charged to PG&E.

2022 O&M Budget Project Detail

Division: OTHER EXPENSES DIVISION
Project Number: 3XX967

Department: 5800 Other Expense
Project Title: PRJ - Retiree Medical Expense

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	0	0	0	0	0%
Materials & Supplies	0	0	0	0	0%
Outside Services	8,250,557	10,175,413	10,306,552	10,330,698	1%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	0	0	0	0	0%
Totals	8,250,557	10,175,413	10,306,552	10,330,698	1%

Project Description: Costs associated with Retiree Medical Trust, other post employment benefits (OPEB).

2022 O&M Budget Project Detail

Division: OTHER EXPENSES DIVISION
Project Number: 3XX968

Department: 5800 Other Expense
Project Title: PRJ - Warehouse Sales Cost

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	0	0	0	0	0%
Materials & Supplies	42,244	5,000	5,000	5,000	0%
Outside Services	0	0	0	0	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	0	0	0	0	0%
Totals	42,244	5,000	5,000	5,000	0%

2022 O&M Budget Project Detail

Division: OTHER EXPENSES DIVISION
Project Number: 3XX969

Department: 5800 Other Expense
Project Title: PRJ - WBO Costs

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	0	0	0	0	0%
Materials & Supplies	1,695,745	1,375,000	1,375,000	1,375,000	0%
Outside Services	0	0	0	0	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	0	0	0	0	0%
Totals	1,695,745	1,375,000	1,375,000	1,375,000	0%

Electric Resources

O&M

2022 O&M Budget Division Summary

OM - ELECTRIC RESOURCES DIVISION

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Prev. Budget to Current Budget
3XX100 PRJ - Electric Resources Admin	2,229,909	1,914,416	500,706	510,968	-73.8%
OM - 6010 OM - Electric Resources	2,229,909	1,914,416	500,706	510,968	-73.8%
3XX110 PRJ - Electric Resources/Planning	2,626,455	3,651,568	3,703,669	3,835,392	1.4%
OM - 6020 OM - Resource Planning & Development	2,626,455	3,651,568	3,703,669	3,835,392	1.4%
3XX130 PRJ - Operations Admin	1,405,317	1,512,674	1,507,601	1,530,647	-0.3%
OM - 6060 OM - Power Operations	1,405,317	1,512,674	1,507,601	1,530,647	-0.3%
3XX140 PRJ - Power Scheduling	3,574,155	3,873,819	3,938,246	4,033,540	1.7%
OM - 6062 OM - Power Scheduling	3,574,155	3,873,819	3,938,246	4,033,540	1.7%
3XX135 PRJ - Control Center Dispatching	3,369,766	3,900,054	4,193,197	4,287,410	7.5%
OM - 6064 OM - Dispatching	3,369,766	3,900,054	4,193,197	4,287,410	7.5%
OM - 60 OM - ELECTRIC RESOURCES DIVISION	<u><u>\$13,205,603</u></u>	<u><u>\$14,852,532</u></u>	<u><u>\$13,843,418</u></u>	<u><u>\$14,197,957</u></u>	-6.8%

2022 O&M Budget Project Detail

Division: ELECTRIC RESOURCES DIVISION
Project Number: 3XX100

Department: 6010 Electric Resources
Project Title: PRJ - Electric Resources Admin

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	639,583	569,627	577,587	591,784	1%
Labor Vacancy	0	-580,611	-597,281	-611,216	3%
Materials & Supplies	17,299	1,500	1,500	1,500	0%
Outside Services	1,440,039	1,920,000	515,000	525,000	-73%
Seminars & Meetings	589	0	0	0	0%
Administrative & General	131,821	1,500	1,500	1,500	0%
MID Equipment	578	2,400	2,400	2,400	0%
Totals	2,229,909	1,914,416	500,706	510,968	-74%

Notes: Outside Services budget dropped by ~\$1.4M from 2021 to 2022 due to 1) final EIM implementation costs in 2021 and 2) forecasted Energy Imbalance Market ongoing costs being moved to Power Scheduling and IT budgets.

2022 O&M Budget Project Detail

Division: ELECTRIC RESOURCES DIVISION
Project Number: 3XX110

Department: 6020 Resource Planning & Development
Project Title: PRJ - Electric Resources/Planning

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	1,805,952	2,146,548	2,176,524	2,230,021	1%
Materials & Supplies	465	4,500	4,500	4,500	0%
Outside Services	572,844	1,325,000	1,325,000	1,378,000	0%
Seminars & Meetings	3,001	4,500	4,500	4,500	0%
Administrative & General	244,192	171,020	193,145	218,371	13%
MID Equipment	0	0	0	0	0%
Totals	2,626,454	3,651,568	3,703,669	3,835,392	1%

Notes: 2022 A&G costs are higher due to expected pass-through charges for maintenance work on equipment within Western Area Power Administration's Tracy substation related to MID's Mountain House interconnection.

2022 O&M Budget Project Detail

Division: ELECTRIC RESOURCES DIVISION
Project Number: 3XX130

Department: 6060 Power Operations
Project Title: PRJ - Operations Admin

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	978,092	944,274	958,201	981,347	1%
Materials & Supplies	4,094	3,400	5,800	3,800	71%
Outside Services	169,497	234,000	234,000	234,000	0%
Seminars & Meetings	6,838	31,000	31,000	31,000	0%
Administrative & General	246,455	297,800	276,400	278,300	-7%
MID Equipment	341	2,200	2,200	2,200	0%
Totals	1,405,317	1,512,674	1,507,601	1,530,647	0%

Notes: Materials & Supplies increased due to the upgrade of the BUCC fax/Copier to scanner laser printer. A&G decrease mainly due to reduced Reliability Coordinator expenses.

2022 O&M Budget Project Detail

Division: ELECTRIC RESOURCES DIVISION
Project Number: 3XX140

Department: 6062 Power Scheduling
Project Title: PRJ - Power Scheduling

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	3,555,612	3,846,419	3,909,246	4,001,940	2%
Materials & Supplies	142	5,200	5,200	5,200	0%
Outside Services	0	0	0	0	0%
Seminars & Meetings	13,495	21,400	23,000	25,600	7%
Administrative & General	4,906	800	800	800	0%
MID Equipment	0	0	0	0	0%
Totals	3,574,155	3,873,819	3,938,246	4,033,540	2%

Project Description: The scheduling function includes the preparation of the short-term resource plan daily/hourly and real-time scheduling of energy to meet the system load requirements.

Applicable Policy: NERC Standard PER-005.

2022 O&M Budget Project Detail

Division: ELECTRIC RESOURCES DIVISION
Project Number: 3XX135

Department: 6064 Dispatching
Project Title: PRJ - Control Center Dispatching

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	3,270,644	3,779,354	4,071,697	4,164,410	8%
Materials & Supplies	4,821	10,400	7,100	7,100	-32%
Outside Services	3,103	2,400	2,400	2,400	0%
Seminars & Meetings	16,493	40,700	44,300	45,200	9%
Administrative & General	74,705	67,200	67,700	68,300	1%
MID Equipment	0	0	0	0	0%
Totals	3,369,766	3,900,054	4,193,197	4,287,410	8%

Project Description: The dispatching function provides 24 hour coverage for MID electric operations.

Notes: Increase in Labor & Benefits due to a new succession position for Apprentice Dispatcher. A&G account is used to pay for the communication fees for the Control Room equipment

Applicable Policy: NERC Standard PER-005.

Power Supply

O&M

2022 O&M Budget Division Summary Power Supply

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Prev. Budget to Current Budget
3XX150 PRJ - Purchase Power	168,683,378	185,598,423	216,429,857	201,796,606	16.6%
PS - Purchase Power	168,683,378	185,598,423	216,429,857	201,796,606	16.6%
3XX151 PRJ - Purchase Power-Hedging	5,572	0	0	0	N/A
PS - Hedging	5,572	0	0	0	N/A
3XX160 PRJ - Generation Admin	884,962	849,378	860,265	879,637	1.3%
3XX165 PRJ - Don Pedro Generation O&M	1,143,047	1,150,000	1,150,000	1,150,000	0.0%
3XX170 PRJ - New Hogan O&M	56,533	110,645	85,004	107,005	-23.2%
3XX171 PRJ - Stone Drop O&M	30,363	61,442	69,248	34,797	12.7%
3XX175 PRJ - McClure O&M	1,014,791	1,071,083	1,175,732	1,152,484	9.8%
3XX180 PRJ - Woodland Operations	4,330,144	4,398,762	4,462,724	4,573,188	1.5%
3XX182 PRJ - Woodland Maintenance	5,842,412	11,189,198	6,485,032	6,665,310	-42.0%
3XX185 PRJ - Ripon O&M	1,883,820	1,991,685	1,961,271	2,008,742	-1.5%
PS - Generation O&M	15,186,072	20,822,193	16,249,276	16,571,164	-22.0%
3XX176 PRJ - McClure Fuel Expense	321,806	774,514	932,531	963,295	20.4%
3XX181 PRJ - Woodland Fuel Expense	12,016,960	16,752,020	16,651,076	16,034,567	-0.6%
3XX186 PRJ - Ripon Fuel Expense	745,126	1,918,667	1,439,523	1,314,948	-25.0%
PS - Generation Fuel	13,083,892	19,445,201	19,023,130	18,312,810	-2.2%
Power Supply	\$196,958,915	\$225,865,817	\$251,702,263	\$236,680,580	11.4%

2022 O&M Budget Project Detail

Division: ELECTRIC RESOURCES DIVISION
Project Number: 3XX150

Department: 6062 Power Scheduling
Project Title: PRJ - Purchase Power

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	0	0	0	0	0%
Materials & Supplies	0	0	0	0	0%
Outside Services	168,683,378	185,598,423	216,429,857	201,796,606	17%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	0	0	0	0	0%
Totals	168,683,378	185,598,423	216,429,857	201,796,606	17%

2022 O&M Budget Project Detail

Division: ELECTRIC RESOURCES DIVISION
Project Number: 3XX160

Department: 6070 Power Generation
Project Title: PRJ - Generation Admin

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	776,833	777,278	788,165	807,537	1%
Materials & Supplies	1,011	3,000	3,000	3,000	0%
Outside Services	103,655	62,000	62,000	62,000	0%
Seminars & Meetings	37	0	0	0	0%
Administrative & General	3,301	5,000	5,000	5,000	0%
MID Equipment	125	2,100	2,100	2,100	0%
Totals	884,962	849,378	860,265	879,637	1%

Project Description: Provide supervisory and administrative support to MID Power Generation Department.

Notes: Typical Outside Services include environmental and engineering consulting services. No planned changes for 2022. 2020 had a large increase due to an arc flash survey that was required for all Generation sites.

2022 O&M Budget Project Detail

Division: ELECTRIC RESOURCES DIVISION
Project Number: 3XX165

Department: 6070 Power Generation
Project Title: PRJ - Don Pedro Generation O&M

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	0	0	0	0	0%
Materials & Supplies	0	0	0	0	0%
Outside Services	1,141,347	1,150,000	1,150,000	1,150,000	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	1,700	0	0	0	0%
MID Equipment	0	0	0	0	0%
Totals	1,143,047	1,150,000	1,150,000	1,150,000	0%

Project Description: MID is responsible for 31.54% of the Don Pedro Power Plant budget.

2022 O&M Budget Project Detail

Division: ELECTRIC RESOURCES DIVISION
Project Number: 3XX170

Department: 6071 McClure & Ripon Generation
Project Title: PRJ - New Hogan O&M

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	27,351	47,950	48,615	49,810	1%
Materials & Supplies	2,947	8,866	3,866	8,866	-56%
Outside Services	3,380	25,172	3,866	19,672	-85%
Seminars & Meetings	77	0	0	0	0%
Administrative & General	20,774	25,000	25,000	25,000	0%
MID Equipment	2,003	3,657	3,657	3,657	0%
Totals	56,532	110,645	85,004	107,005	-23%

Project Description: New Hogan Generation Station supplies the ISO for the District's benefit up to 3.3 MWs of hydro generation (green energy) with two hydraulic turbine generators from the New Hogan Reservoir.

Notes: Materials and Outside Service decreased to reflect past actuals.

2022 O&M Budget Project Detail

Division: ELECTRIC RESOURCES DIVISION
Project Number: 3XX171

Department: 6071 McClure & Ripon Generation
Project Title: PRJ - Stone Drop O&M

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	22,169	22,057	22,363	22,912	1%
Materials & Supplies	1,731	17,182	24,182	2,182	41%
Outside Services	2,567	15,000	15,500	2,500	3%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	3,135	5,910	5,910	5,910	0%
MID Equipment	761	1,293	1,293	1,293	0%
Totals	30,363	61,442	69,248	34,797	13%

Project Description: Stone Drop Generation Station supplies the District with up to 290 kW of hydro generation (green energy) from one hydraulic turbine generator.

Notes: Increase in Materials and Outside Services for Trash grate repairs and safety access gate.

2022 O&M Budget Project Detail

Division: ELECTRIC RESOURCES DIVISION
Project Number: 3XX175

Department: 6071 McClure & Ripon Generation
Project Title: PRJ - McClure O&M

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	554,790	796,166	812,660	830,603	2%
Materials & Supplies	112,856	79,185	153,000	111,809	93%
Outside Services	231,481	87,734	102,074	102,074	16%
Seminars & Meetings	106	0	0	0	0%
Administrative & General	114,793	105,000	105,000	105,000	0%
MID Equipment	765	2,998	2,998	2,998	0%
Totals	1,014,791	1,071,083	1,175,732	1,152,484	10%

Project Description: McClure Generation Station supplies the District with 120 MWs of internal peak power generation from two combustion turbine generators.

Notes: Materials and Outside Services increased to match actuals plus \$60k for oil replacement.

2022 O&M Budget Project Detail

Division: ELECTRIC RESOURCES DIVISION
Project Number: 3XX180

Department: 6072 Woodland Generation
Project Title: PRJ - Woodland Operations

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	3,071,894	3,040,312	3,099,974	3,169,555	2%
Materials & Supplies	810,977	900,000	903,300	930,399	0%
Outside Services	244,474	204,750	204,750	210,893	0%
Seminars & Meetings	-1,220	0	0	0	0%
Administrative & General	204,019	253,700	254,700	262,341	0%
MID Equipment	0	0	0	0	0%
Totals	4,330,144	4,398,762	4,462,724	4,573,188	1%

2022 O&M Budget Project Detail

Division: ELECTRIC RESOURCES DIVISION
Project Number: 3XX182

Department: 6072 Woodland Generation
Project Title: PRJ - Woodland Maintenance

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	1,833,427	2,081,383	2,117,450	2,166,850	2%
Materials & Supplies	1,457,437	1,293,400	1,470,000	1,514,100	14%
Outside Services	2,522,295	7,784,265	2,866,832	2,952,837	-63%
Seminars & Meetings	256	0	0	0	0%
Administrative & General	27,010	25,000	25,750	26,523	3%
MID Equipment	1,987	5,150	5,000	5,000	-3%
Totals	5,842,412	11,189,198	6,485,032	6,665,310	-42%

Notes: Overall reduced by \$4.6M due to Woodland Generation Station 2 overhaul in 2021.

2022 O&M Budget Project Detail

Division: ELECTRIC RESOURCES DIVISION
Project Number: 3XX185

Department: 6071 McClure & Ripon Generation
Project Title: PRJ - Ripon O&M

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	1,131,430	1,302,316	1,326,901	1,357,081	2%
Materials & Supplies	213,126	217,000	217,000	223,510	0%
Outside Services	500,704	414,370	359,370	370,151	-13%
Seminars & Meetings	319	0	0	0	0%
Administrative & General	37,865	55,000	55,000	55,000	0%
MID Equipment	374	2,999	3,000	3,000	0%
Totals	1,883,818	1,991,685	1,961,271	2,008,742	-2%

Project Description: Ripon Generation Station supplies the District with up to 100 MW of internal peak power generation from two combustion generators.

Notes: Outside Services are reduced due to renegotiating the demin water trailer contract this year.

2022 O&M Budget Project Detail

Division: ELECTRIC RESOURCES DIVISION
Project Number: 3XX176

Department: 6071 McClure & Ripon Generation
Project Title: PRJ - McClure Fuel Expense

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	0	0	0	0	0%
Materials & Supplies	321,806	774,514	932,531	963,295	20%
Outside Services	0	0	0	0	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	0	0	0	0	0%
Totals	321,806	774,514	932,531	963,295	20%

2022 O&M Budget Project Detail

Division: ELECTRIC RESOURCES DIVISION
Project Number: 3XX181

Department: 6072 Woodland Generation
Project Title: PRJ - Woodland Fuel Expense

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	0	0	0	0	0%
Materials & Supplies	12,016,960	16,752,020	16,651,076	16,034,567	-1%
Outside Services	0	0	0	0	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	0	0	0	0	0%
Totals	12,016,960	16,752,020	16,651,076	16,034,567	-1%

2022 O&M Budget Project Detail

Division: ELECTRIC RESOURCES DIVISION
Project Number: 3XX186

Department: 6071 McClure & Ripon Generation
Project Title: PRJ - Ripon Fuel Expense

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	0	0	0	0	0%
Materials & Supplies	745,126	1,918,667	1,439,523	1,314,948	-25%
Outside Services	0	0	0	0	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	0	0	0	0	0%
Totals	745,126	1,918,667	1,439,523	1,314,948	-25%

Transmission & Distribution O&M

2022 O&M Budget Division Summary

OM - ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Prev. Budget to Current Budget
3XX200 PRJ - Transmission & Dist Admin	576,291	117,239	147,623	67,730	25.9%
OM - 7010 OM - Electric Trans & Dist.	576,291	117,239	147,623	67,730	25.9%
3XX210 PRJ - General Engineering	947,552	1,026,636	1,081,148	1,099,915	5.3%
3XX211 PRJ - Trans/Dist Planning	731,772	624,442	338,288	346,603	-45.8%
3XX212 PRJ - Trans/Dist Engineering	634,819	502,114	637,903	653,318	27.0%
3XX213 PRJ - Substation Engineering	616,439	585,815	663,518	679,539	13.3%
3XX214 PRJ - Mapping/Records	689,061	831,063	906,141	928,241	9.0%
OM - 7020 OM - Electric Engineering	3,619,645	3,570,071	3,626,997	3,707,616	1.6%
3XX220 PRJ - Trouble General Maintenance	2,101,187	2,448,714	2,437,681	2,482,554	-0.5%
3XX221 PRJ - Turn-on/Turn-off	6,662	20,913	20,456	20,799	-2.2%
3XX222 PRJ - Street Lighting	56,061	98,597	99,940	102,217	1.4%
3XX223 PRJ - Vegetation Management	3,487,154	3,765,517	3,949,700	4,067,722	4.9%
3XX224 PRJ - Trouble Administration	657,735	493,843	484,769	496,876	-1.8%
3XX225 PRJ - Inspections	412,061	552,382	555,806	569,544	0.6%
OM - 7052 OM - Trouble	6,720,860	7,379,965	7,548,352	7,739,713	2.3%
3XX280 PRJ - Line Construction Admin	1,557,994	1,555,640	1,586,791	1,622,382	2.0%
3XX281 PRJ - LC Overhead Transmission	120,707	213,106	250,305	254,781	17.5%
3XX282 PRJ - LC Overhead Distrib Maint	924,974	1,350,836	1,360,744	1,389,205	0.7%
3XX283 PRJ - Line Construction General	2,230,085	1,253,941	1,316,629	1,323,439	5.0%
3XX284 PRJ - LC Underground Distribution	1,331,892	1,341,894	1,602,692	1,636,435	19.4%
3XX285 PRJ - Insulating Equipment	22,501	33,600	33,600	33,700	0.0%
OM - 7072 OM - Line Construction	6,188,154	5,749,017	6,150,761	6,259,942	7.0%
3XX250 PRJ - Substation	1,096,320	1,079,158	963,860	979,622	-10.7%
3XX251 PRJ - Transmission Substation	1,516,756	2,362,021	2,908,080	2,953,955	23.1%
3XX252 PRJ - Distribution Substation	3,582,590	2,942,907	3,614,110	3,582,436	22.8%
3XX253 PRJ - Maintenance of Relays	655,229	845,040	1,034,931	799,573	22.5%

2022 O&M Budget Division Summary

OM - ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Prev. Budget to Current Budget
3XX254 PRJ - Westley Station	109,869	154,041	230,933	234,040	49.9%
3XX255 PRJ - Westley Station CIP	7,488	5,679	17,024	17,258	199.8%
OM - 7082 OM - Substation	6,947,392	7,388,846	8,768,938	8,566,884	18.7%
3XX260 PRJ - Meter Transformer	446,552	550,133	563,122	573,404	2.4%
3XX261 PRJ - Meter Maintenance	2,227,978	2,260,190	2,332,467	2,389,415	3.2%
3XX262 PRJ - Transformer Maintenance	202,247	276,418	285,150	292,014	3.2%
3XX264 PRJ - LM Receiver Maintenance	14,264	21,338	31,902	32,659	49.5%
OM - 7084 OM - Meter/Transformer	2,891,041	3,108,079	3,212,641	3,287,493	3.4%
OM - 70 OM - ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION	\$26,943,382	\$27,313,218	\$29,455,312	\$29,629,377	7.8%

2022 O&M Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 3XX200

Department: 7010 Electric Trans & Dist.
Project Title: PRJ - Transmission & Dist Admin

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	573,758	1,043,850	1,059,378	1,085,000	1%
Labor Vacancy	0	-933,160	-917,855	-1,023,371	-2%
Materials & Supplies	315	950	1,000	1,000	5%
Outside Services	0	0	0	0	0%
Seminars & Meetings	617	3,000	3,000	3,000	0%
Administrative & General	1,588	2,100	1,600	1,600	-24%
MID Equipment	13	500	500	500	0%
Totals	576,291	117,240	147,623	67,729	26%

Project Description: General management account for the maintenance and operation of the District's electric transmission and distribution system.

2022 O&M Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 3XX210

Department: 7020 Electric Engineering
Project Title: PRJ - General Engineering

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	759,683	753,036	763,548	782,315	1%
Materials & Supplies	3,135	15,600	11,600	11,600	-26%
Outside Services	183,082	250,000	300,000	300,000	20%
Seminars & Meetings	1,652	6,000	6,000	6,000	0%
Administrative & General	0	2,000	0	0	-100%
MID Equipment	0	0	0	0	0%
Totals	947,552	1,026,636	1,081,148	1,099,915	5%

Project Description: Operations and Maintenance account to address general engineering functions, the supervision and management of T&D projects, and NERC related functions.

Notes: Materials & Supplies: Decrease for miscellaneous office furniture due to Engineering remodel in 2021.
 Outside Services: Consulting increased due to transmission planning needs. A&G: Reduced Company Dues & Memberships for RP3 membership fees in 2021.

2022 O&M Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 3XX211

Department: 7020 Electric Engineering
Project Title: PRJ - Trans/Dist Planning

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	729,777	624,442	338,288	346,603	-46%
Materials & Supplies	0	0	0	0	0%
Outside Services	0	0	0	0	0%
Seminars & Meetings	1,995	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	0	0	0	0	0%
Totals	731,772	624,442	338,288	346,603	-46%

Project Description: Operations and Maintenance account to address the Transmission and Distribution Planning functions of the MID system, T&D budgeting, and NERC related functions.

2022 O&M Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 3XX212

Department: 7020 Electric Engineering
Project Title: PRJ - Trans/Dist Engineering

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	610,765	478,114	613,403	628,318	28%
Materials & Supplies	1,626	500	500	500	0%
Outside Services	0	0	0	0	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	20,732	21,000	21,500	22,000	2%
MID Equipment	1,696	2,500	2,500	2,500	0%
Totals	634,819	502,114	637,903	653,318	27%

Project Description: Operations and Maintenance account to address the specific engineering functions related to equipment and construction, field support, and new business engineering.

Notes: No significant changes.

2022 O&M Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 3XX213

Department: 7020 Electric Engineering
Project Title: PRJ - Substation Engineering

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	616,439	584,015	661,718	677,739	13%
Materials & Supplies	0	500	500	500	0%
Outside Services	0	500	500	500	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	300	300	300	0%
MID Equipment	0	500	500	500	0%
Totals	616,439	585,815	663,518	679,539	13%

Project Description: Operations and Maintenance account to address substation engineering functions related to substation field support and maintenance of substation equipment and NERC related functions.

Notes: No significant changes.

2022 O&M Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 3XX214

Department: 7020 Electric Engineering
Project Title: PRJ - Mapping/Records

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	685,363	824,063	899,141	921,241	9%
Materials & Supplies	0	0	0	0	0%
Outside Services	0	0	0	0	0%
Seminars & Meetings	40	0	0	0	0%
Administrative & General	3,388	6,000	6,000	6,000	0%
MID Equipment	270	1,000	1,000	1,000	0%
Totals	689,061	831,063	906,141	928,241	9%

Project Description: Operations and Maintenance account to address the mapping and record keeping functions of the T&D system.

Notes: No significant changes.

2022 O&M Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 3XX220

Department: 7052 Trouble
Project Title: PRJ - Trouble General Maintenance

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	1,674,985	1,901,794	1,934,066	1,971,874	2%
Materials & Supplies	59,701	130,750	76,240	70,430	-42%
Outside Services	17,506	14,500	14,935	15,380	3%
Seminars & Meetings	0	930	0	0	-100%
Administrative & General	-5,594	740	440	470	-41%
MID Equipment	354,589	400,000	412,000	424,400	3%
Totals	2,101,187	2,448,714	2,437,681	2,482,554	0%

Project Description: This account is for tracking line patrols, NERC FAC.003-4, CPUC G.O. #165 patrols and inspections, storm duty, trouble calls, switching and general overhead and underground repairs and maintenance.

Notes: Outside Services: Decreased due to lower number of fault indicators needing to be replaced in 2022.

2022 O&M Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 3XX221

Department: 7052 Trouble
Project Title: PRJ - Turn-on/Turn-off

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	5,219	19,623	18,786	19,079	-4%
Materials & Supplies	218	260	270	280	4%
Outside Services	0	0	0	0	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	1,225	1,030	1,400	1,440	36%
Totals	6,662	20,913	20,456	20,799	-2%

Project Description: This account is used for assisting Customer Service with turn ons and turn offs.

Notes: Equipment: Adjusted to reflect actuals.

2022 O&M Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 3XX222

Department: 7052 Trouble
Project Title: PRJ - Street Lighting

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	42,054	51,997	53,340	54,567	3%
Materials & Supplies	3,043	28,400	28,400	28,900	0%
Outside Services	0	0	0	0	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	10,964	18,200	18,200	18,750	0%
Totals	56,061	98,597	99,940	102,217	1%

Project Description: This account is used for all street light and Dusk to Dawn light repairs and replacements.

2022 O&M Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 3XX223

Department: 7052 Trouble
Project Title: PRJ - Vegetation Management

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	23,629	48,927	46,955	47,872	-4%
Materials & Supplies	625	1,440	1,440	1,490	0%
Outside Services	3,457,037	3,710,000	3,896,000	4,012,900	5%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	5,863	5,150	5,305	5,460	3%
Totals	3,487,154	3,765,517	3,949,700	4,067,722	5%

Project Description: This account is for tree trimming activities including the contract for Line Clearance tree trimming to ensure compliance with regulatory requirements and industry standards.

Notes: Outside Services: Increased due to money added for vegetation management.

2022 O&M Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 3XX224

Department: 7052 Trouble
Project Title: PRJ - Trouble Administration

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	648,634	461,896	470,989	482,806	2%
Materials & Supplies	35	18,000	4,000	4,000	-78%
Outside Services	4,446	5,000	5,150	5,300	3%
Seminars & Meetings	0	630	630	650	0%
Administrative & General	2,631	0	0	0	0%
MID Equipment	1,989	8,317	4,000	4,120	-52%
Totals	657,735	493,843	484,769	496,876	-2%

Project Description: This account covers Trouble Department Supervisor, Service Center Rep and Fire Retardant clothing.

Notes: Materials & Supplies: Decreased due to adjustments in safety equipment MID is no longer required to provide.
 Equipment: Adjusted to reflect actuals.

2022 O&M Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 3XX225

Department: 7052 Trouble
Project Title: PRJ - Inspections

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	376,449	493,082	500,606	512,649	2%
Materials & Supplies	17,546	31,500	26,600	27,395	-16%
Outside Services	0	0	0	0	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	18,067	27,800	28,600	29,500	3%
Totals	412,062	552,382	555,806	569,544	1%

Project Description: This account is for tracking costs associated with CPUC asset inspections including Subsurface Transformers, Pad Mount Transformers, Junction Boxes and the downtown vaults. Overhead pole inspections are performed by the Troubleshooters and their labor and material is budgeted in 3XX220. This account also includes some two-man maintenance projects performed to correct items found while performing inspections.

Notes: Materials & Supplies: Adjusted to reflect actuals.

2022 O&M Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 3XX280

Department: 7072 Line Construction
Project Title: PRJ - Line Construction Admin

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	1,472,251	1,466,440	1,499,291	1,534,382	2%
Materials & Supplies	27,089	31,600	29,800	30,200	-6%
Outside Services	41,124	40,000	42,000	42,000	5%
Seminars & Meetings	980	500	0	0	-100%
Administrative & General	3,857	2,100	600	600	-71%
MID Equipment	12,694	15,000	15,100	15,200	1%
Totals	1,557,995	1,555,640	1,586,791	1,622,382	2%

Project Description: Line Construction Administration provides overall direction and coordination of the installation and maintenance of projects and activities assigned by the Transmission and Distribution Division.

Notes: Labor: Small increase in straight time in labor for testing all hot sticks. Small increase in double time for Clerk I and Service Center Tech to respond and answer outage calls. Materials & Supplies: Reduced Safety Equipment Cost and moved to 3XX283. A&G: Increase due to uniform replacement and providing uniforms and jackets to new hires.

2022 O&M Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 3XX281

Department: 7072 Line Construction
Project Title: PRJ - LC Overhead Transmission

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	87,634	170,831	206,030	210,306	21%
Materials & Supplies	9,376	19,200	19,200	19,300	0%
Outside Services	4,494	0	4,400	4,400	4,400%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	16,544	16,575	16,575	16,575	0%
MID Equipment	2,660	6,500	4,100	4,200	-37%
Totals	120,708	213,106	250,305	254,781	17%

Project Description: Overhead Transmission Maintenance is for routine and emergency maintenance incurred on 230kV, 115kV, and 69kV overhead lines.

Notes: Outside Services: Increase due to added cost for traffic control.

2022 O&M Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 3XX282

Department: 7072 Line Construction
Project Title: PRJ - LC Overhead Distrib Maint

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	826,776	1,205,736	1,216,644	1,243,105	1%
Materials & Supplies	62,826	75,000	72,000	73,000	-4%
Outside Services	0	4,000	4,000	4,000	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	1,045	1,100	1,100	1,100	0%
MID Equipment	34,327	65,000	67,000	68,000	3%
Totals	924,974	1,350,836	1,360,744	1,389,205	1%

Project Description: Overhead Distribution Maintenance is for routine and emergency maintenance incurred on 21kV, 17kV, 12kV, and low voltage overhead lines.

Notes: Labor: Adjusted FTEs closer to actual.

2022 O&M Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 3XX283

Department: 7072 Line Construction
Project Title: PRJ - Line Construction General

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	2,052,078	1,010,641	1,060,829	1,086,339	5%
Materials & Supplies	177,453	233,200	250,200	231,400	7%
Outside Services	-214	2,500	1,000	1,000	-60%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	3,000	0	0	-100%
MID Equipment	768	4,600	4,600	4,700	0%
Totals	2,230,085	1,253,941	1,316,629	1,323,439	5%

Project Description: Line Construction General is for providing tools, safety equipment, training, and maintenance on equipment for the Line Construction Department.

Notes: Labor: Adjusted FTEs closer to actual. Materials & Supplies: Increase for cost type 217. Still need to replace phasing sets for all crews and replace 10 year old 6 ton battery presses for all crew trucks. Outside Services: Adjusted closer to actuals. A&G: Decrease due to apprentice training modules being charged to different account.

2022 O&M Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 3XX284

Department: 7072 Line Construction
Project Title: PRJ - LC Underground Distribution

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	1,164,786	1,200,594	1,461,292	1,493,835	22%
Materials & Supplies	66,836	80,000	80,000	81,000	0%
Outside Services	35,649	4,000	4,000	4,000	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	27,518	29,300	29,300	29,400	0%
MID Equipment	37,102	28,000	28,100	28,200	0%
Totals	1,331,891	1,341,894	1,602,692	1,636,435	19%

Project Description: Underground Distribution Maintenance is for routine and emergency maintenance incurred on 21kV, 17kV, 12kV, 6.9kV, and low voltage underground lines.

Notes: Labor: Increase in straight time, overtime and double time due to amount of USA tags, primary and secondary faults. Adjusted straight time and overtime to match actual FTEs.

2022 O&M Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 3XX285

Department: 7072 Line Construction
Project Title: PRJ - Insulating Equipment

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	0	0	0	0	0%
Materials & Supplies	7,960	14,000	14,000	14,000	0%
Outside Services	14,541	19,600	19,600	19,700	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	0	0	0	0	0%
Totals	22,501	33,600	33,600	33,700	0%

Project Description: Insulating Equipment is for providing rubber gloves, rubber blankets, and plastic insulating equipment for the Line Construction Department to operate the electric system safely.

Notes: No significant changes.

2022 O&M Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 3XX250

Department: 7082 Substation
Project Title: PRJ - Substation

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	751,618	756,908	647,110	662,872	-15%
Materials & Supplies	4,460	8,300	8,300	8,300	0%
Outside Services	17,641	17,850	17,850	17,850	0%
Seminars & Meetings	0	800	800	800	0%
Administrative & General	318,606	285,700	280,200	280,200	-2%
MID Equipment	3,995	9,600	9,600	9,600	0%
Totals	1,096,320	1,079,158	963,860	979,622	-11%

Project Description: The Substation Administration office provides maintenance and project planning through the direction of Substation personnel and coordination with other departments and various government entities.

Notes: Administrative & General: Increase due to property taxes, electricity and water for additional substations: Oregon and Codoni.

2022 O&M Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 3XX251

Department: 7082 Substation
Project Title: PRJ - Transmission Substation

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	1,202,731	1,754,621	2,295,680	2,341,455	31%
Materials & Supplies	14,122	164,400	169,400	169,500	3%
Outside Services	292,357	418,500	420,000	420,000	0%
Seminars & Meetings	495	2,500	2,500	2,500	0%
Administrative & General	0	2,000	500	500	-75%
MID Equipment	7,051	20,000	20,000	20,000	0%
Totals	1,516,756	2,362,021	2,908,080	2,953,955	23%

Project Description: The Transmission Substation Operations account manages the scheduled maintenance of all transmission equipment and transmission substations to comply with FERC/NERC Regulations and associated MID Operating Bulletins.

Notes: Increase in labor is for training of 4 new apprentices.

2022 O&M Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 3XX252

Department: 7082 Substation
Project Title: PRJ - Distribution Substation

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	3,092,566	1,988,757	2,644,260	2,601,086	33%
Materials & Supplies	170,819	322,350	335,150	345,150	4%
Outside Services	295,294	598,500	600,000	600,000	0%
Seminars & Meetings	0	1,500	1,500	1,500	0%
Administrative & General	1,264	2,000	2,000	2,000	0%
MID Equipment	22,647	29,800	31,200	32,700	5%
Totals	3,582,590	2,942,907	3,614,110	3,582,436	23%

Project Description: The Distribution Substation Operations account manages the scheduled maintenance of all distribution equipment and distribution substations to comply with FERC/NERC Regulations and associated MID Operating Bulletins.

Notes: Materials & Supplies: Increased due to money being added for fuel costs. Increase in labor is for training of 4 new apprentices.

2022 O&M Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 3XX253

Department: 7082 Substation
Project Title: PRJ - Maintenance of Relays

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	609,325	688,340	628,231	642,873	-9%
Materials & Supplies	7,460	20,700	20,700	20,700	0%
Outside Services	34,200	125,000	375,000	125,000	200%
Seminars & Meetings	472	2,500	2,500	2,500	0%
Administrative & General	0	0	0	0	0%
MID Equipment	3,773	8,500	8,500	8,500	0%
Totals	655,230	845,040	1,034,931	799,573	22%

Project Description: The Maintenance of Relays account manages the scheduled maintenance and testing of all protective relay devices within all the Substations to stay compliant with FERC/NERC regulations and associated MID Operating Bulletins.

Notes: Outside Services: Increased due to contracted relay testing needed to free up FTE for capital projects and carry over projects.

2022 O&M Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 3XX254

Department: 7082 Substation
Project Title: PRJ - Westley Station

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	140,006	114,241	139,133	142,240	22%
Materials & Supplies	7,611	20,000	20,000	20,000	0%
Outside Services	-84,492	9,000	43,000	43,000	378%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	22,486	6,800	24,800	24,800	265%
MID Equipment	3,398	4,000	4,000	4,000	0%
Totals	89,009	154,041	230,933	234,040	50%

Project Description: The Westley Switchyard Operations & Maintenance account manages the scheduled maintenance of all Westley equipment / facilities to comply with FERC/NERC Regulations and associated MID Operating Bulletins.

Notes: Outside Services: Increased to account for costs associated with annual dry wash. A&G: Adjusted closer to actuals.

2022 O&M Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 3XX255

Department: 7082 Substation
Project Title: PRJ - Westley Station CIP

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	0	5,679	9,524	9,758	68%
Materials & Supplies	0	0	0	0	0%
Outside Services	7,488	0	7,500	7,500	7,500%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	0	0	0	0	0%
Totals	7,488	5,679	17,024	17,258	200%

Project Description: The Westley Switchyard CIP account manages the scheduled CIP related meetings for Westley to comply with FERC/NERC Regulations.

Notes: Outside Services: Increased to reflect charges for Westley NERC/CIP services.

2022 O&M Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 3XX260

Department: 7084 Meter/Transformer
Project Title: PRJ - Meter Transformer

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	446,218	547,783	551,572	565,054	1%
Materials & Supplies	228	1,300	4,500	1,300	246%
Outside Services	0	0	6,000	6,000	6,000%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	250	250	250	0%
MID Equipment	106	800	800	800	0%
Totals	446,552	550,133	563,122	573,404	2%

Project Description: Supervision of all department activities including budgeting, evaluating, coordinating, and employee development. Ensure compliance of the District Electric Service Guides and Rules and ensure compliance of the District Safety program.

Notes: Materials & Supplies: Increase for 2022 due to replacement of office chairs. Outside Services: Money added to cover annual cost of Energy Diversion software.

2022 O&M Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 3XX261

Department: 7084 Meter/Transformer
Project Title: PRJ - Meter Maintenance

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	2,177,865	2,168,090	2,239,867	2,294,615	3%
Materials & Supplies	20,609	51,400	51,600	52,800	0%
Outside Services	10,551	10,500	11,000	11,000	5%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	1,784	200	0	0	-100%
MID Equipment	17,169	30,000	30,000	31,000	0%
Totals	2,227,978	2,260,190	2,332,467	2,389,415	3%

Project Description: Maintenance of revenue metering including general field maintenance, scheduled and unscheduled field tests, shop tests, training and safety, instrument tests, and capacitor maintenance.

Notes: No significant changes.

2022 O&M Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 3XX262

Department: 7084 Meter/Transformer
Project Title: PRJ - Transformer Maintenance

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	177,994	243,963	247,795	253,839	2%
Materials & Supplies	20,511	24,655	30,105	30,425	22%
Outside Services	3,743	7,000	7,000	7,500	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	0	800	250	250	-69%
Totals	202,248	276,418	285,150	292,014	3%

Project Description: Used for maintenance of distribution transformer including oil disposal and tracking - testing and repair.

Notes: Materials & Supplies: Increased due to rising costs of transformer painting. Equipment: Adjusted closer to actuals.

2022 O&M Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 3XX264

Department: 7084 Meter/Transformer
Project Title: PRJ - LM Receiver Maintenance

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	14,209	20,838	31,402	32,159	51%
Materials & Supplies	0	300	300	300	0%
Outside Services	0	0	0	0	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	54	200	200	200	0%
Totals	14,263	21,338	31,902	32,659	50%

Project Description: Install and maintain receivers for the Shave The Energy Peak (STEP) programs. Interact with customers requesting STEP or those with questions or problems.

Notes: No changes.

Water Operations

O&M

2022 O&M Budget Division Summary

OM - WATER OPERATIONS DIVISION

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Prev. Budget to Current Budget
3XX400 PRJ - Water Operations Admin	570,703	311,041	307,720	316,279	-1.1%
3XX401 PRJ - Water Rights	562,871	650,000	650,000	669,500	0.0%
3XX403 PRJ - Irrigation System Improvements	113,309	583,495	500,000	515,000	-14.3%
3XX420 PRJ - LaGrange Water System	160,860	102,285	153,500	158,105	50.1%
OM - 8010 OM - Water Operations Department	1,407,742	1,646,821	1,611,220	1,658,884	-2.2%
3XX410 PRJ - Civil Engineering	1,141,536	1,097,595	1,129,495	1,157,310	2.9%
3XX411 PRJ - Surveying	424,178	538,191	599,231	614,010	11.3%
3XX412 PRJ - Conservation Improvements	176,107	251,649	212,370	218,457	-15.6%
3XX413 PRJ - Water Measurement	18,837	34,832	42,028	43,035	20.7%
OM - 8020 OM - Civil Engineering	1,760,659	1,922,267	1,983,123	2,032,812	3.2%
3XX421 PRJ - Water Data & Analysis	148,632	190,097	135,456	138,951	-28.7%
3XX422 PRJ - Ground Water Management	1,008	201,860	208,614	214,305	3.3%
3XX423 PRJ - Don Pedro Watershed	446,041	416,566	518,460	532,866	24.5%
OM - 8030 OM - Water Resources	595,681	808,523	862,529	886,122	6.7%
3XX430 PRJ - Irrigation Admin	535,202	539,494	547,643	552,644	1.5%
3XX440 PRJ - Irrigation Services	2,202,452	2,123,843	2,160,552	2,212,235	1.7%
3XX441 PRJ - La Grange	98,888	98,857	101,369	102,968	2.5%
3XX442 PRJ - Upper Main Canal	205,164	252,065	257,263	263,315	2.1%
3XX443 PRJ - Modesto Reservoir	206,426	209,393	219,345	224,574	4.8%
3XX444 PRJ - Pumps	828,868	666,563	930,770	956,976	39.6%
3XX450 PRJ - Laterals and Ditches	3,053,297	2,885,881	3,147,480	3,227,054	9.1%
3XX451 PRJ - Gunite	981,868	1,118,782	1,145,108	1,185,897	2.4%
3XX452 PRJ - Irrigation Pipelines	150,913	241,329	246,629	248,412	2.2%
3XX453 PRJ - Structures	9,355	87,345	93,136	93,597	6.6%
3XX454 PRJ - Weed & Moss Control	895,347	1,267,216	1,279,798	1,311,675	1.0%
3XX455 PRJ - Landscaping	219,879	284,772	290,303	251,096	1.9%

2022 O&M Budget Division Summary

OM - WATER OPERATIONS DIVISION

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Prev. Budget to Current Budget
OM - 8040 OM - Irrigation Services	<u>9,707,658</u>	<u>9,775,541</u>	<u>10,419,395</u>	<u>10,630,443</u>	6.6%
OM - 80 OM - WATER OPERATIONS DIVISION	<u><u>\$13,471,741</u></u>	<u><u>\$14,153,152</u></u>	<u><u>\$14,876,267</u></u>	<u><u>\$15,208,262</u></u>	5.1%

2022 O&M Budget Project Detail

Division: WATER OPERATIONS DIVISION
Project Number: 3XX400

Department: 8010 Water Operations Department
Project Title: PRJ - Water Operations Admin

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	561,417	572,988	579,687	593,935	1%
Labor Vacancy	0	-298,947	-308,967	-315,721	3%
Materials & Supplies	753	5,000	5,000	5,105	0%
Outside Services	6,314	15,000	15,000	15,450	0%
Seminars & Meetings	254	10,000	10,000	10,300	0%
Administrative & General	568	2,000	2,000	2,060	0%
MID Equipment	1,397	5,000	5,000	5,150	0%
Totals	570,703	311,041	307,720	316,279	-1%

Project Description: Water Operations Division administrative costs.

Notes: Materials and supplies accounts for materials and supplies for the downtown Water Operations Division. Outside services accounts for use of ABS Presort for Water Operations Division mailings.

2022 O&M Budget Project Detail

Division: WATER OPERATIONS DIVISION
Project Number: 3XX401

Department: 8010 Water Operations Department
Project Title: PRJ - Water Rights

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	0	0	0	0	0%
Materials & Supplies	0	0	0	0	0%
Outside Services	355,000	500,000	500,000	515,000	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	207,871	150,000	150,000	154,500	0%
MID Equipment	0	0	0	0	0%
Totals	562,871	650,000	650,000	669,500	0%

Project Description: MID water rights protection and FERC license fisheries management.

Notes: Protection of surface water rights on the Tuolumne River, TID/MID fish studies, water rights consultant, State Water Resources Control Board water rights license fees and San Joaquin Tributaries Authority annual cash call.

Applicable Policy: MID Business Plan and 1996 and 2008 FERC orders.

2022 O&M Budget Project Detail

Division: WATER OPERATIONS DIVISION
Project Number: 3XX403

Department: 8010 Water Operations Department
Project Title: PRJ - Irrigation System Improvements

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	0	0	0	0	0%
Materials & Supplies	0	0	0	0	0%
Outside Services	113,309	583,495	500,000	515,000	-14%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	0	0	0	0	0%
Totals	113,309	583,495	500,000	515,000	-14%

Project Description: Irrigation system improvements.

Notes: Includes ongoing work with engineering consultants; consultant support for water modeling; legal; engineering design; environmental studies, upper system Geotech, lateral 3/7 reservoir Geotech and Modesto Reservoir Employee Assistance Program. Generally reflects planning and implementation of Comprehensive Water Resources Management Plan and get ahead engineering.

Applicable Policy: System design & operational strategies.

2022 O&M Budget Project Detail

Division: WATER OPERATIONS DIVISION
Project Number: 3XX420

Department: 8010 Water Operations Department
Project Title: PRJ - LaGrange Water System

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	843	0	0	0	0%
Materials & Supplies	17	0	0	0	0%
Outside Services	160,000	102,285	153,500	158,105	50%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	0	0	0	0	0%
Totals	160,860	102,285	153,500	158,105	50%

Project Description: La Grange Domestic Water Project

Notes: Operation and maintenance of the La Grange Domestic Water Project per agreement with TID. Filter media replacement will be done in 2022 and accounts for the 50% increase.

2022 O&M Budget Project Detail

Division: WATER OPERATIONS DIVISION
Project Number: 3XX410

Department: 8020 Civil Engineering
Project Title: PRJ - Civil Engineering

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	1,138,641	1,079,973	1,111,344	1,138,615	3%
Materials & Supplies	1,411	5,245	5,402	5,564	3%
Outside Services	0	0	0	0	0%
Seminars & Meetings	178	6,751	6,954	7,162	3%
Administrative & General	120	1,687	1,738	1,790	3%
MID Equipment	1,187	3,939	4,057	4,179	3%
Totals	1,141,537	1,097,595	1,129,495	1,157,310	3%

Project Description: Provide civil engineering design and review.

Notes: Provided civil design, review and inspection on MID irrigation projects and facilities.

Applicable Policy: In-house civil engineering design and/or review is required on all MID construction related projects in order to ensure District facilities meet applicable design performance criteria and all local, state and federal construction codes.

2022 O&M Budget Project Detail

Division: WATER OPERATIONS DIVISION
Project Number: 3XX411

Department: 8020 Civil Engineering
Project Title: PRJ - Surveying

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	421,030	521,683	585,394	599,758	12%
Materials & Supplies	550	5,150	4,000	4,120	-22%
Outside Services	0	3,602	2,000	2,060	-44%
Seminars & Meetings	0	1,061	1,093	1,126	3%
Administrative & General	1,500	2,575	2,500	2,575	-3%
MID Equipment	1,098	4,120	4,244	4,371	3%
Totals	424,178	538,191	599,231	614,010	11%

Project Description: Provide surveying services for Water Operations design and construction work.

Notes: Outside Services: Stanislaus County fees for filing records of surveys.

Applicable Policy: Survey is required for the design and construction of all new irrigation facilities and in acquiring rights-of-way for the placements of many of these new facilities.

2022 O&M Budget Project Detail

Division: WATER OPERATIONS DIVISION
Project Number: 3XX412

Department: 8020 Civil Engineering
Project Title: PRJ - Conservation Improvements

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	0	51,649	52,370	53,657	1%
Materials & Supplies	0	0	0	0	0%
Outside Services	0	0	0	0	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	176,107	200,000	160,000	164,800	-20%
MID Equipment	0	0	0	0	0%
Totals	176,107	251,649	212,370	218,457	-16%

Project Description: Provide funding for private irrigation conservation improvements.

Notes: Assist MID landowners with engineering design and construction funding for irrigation conservation improvement made to landowner facilities within MID's irrigation service area. Decrease due to lower participation in 2021 largely due to increase cost of materials.

Applicable Policy: Under MID's Irrigation Master Plan - MID has offered to assist landowners with conservation improvements made to their irrigation delivery systems.

2022 O&M Budget Project Detail

Division: WATER OPERATIONS DIVISION
Project Number: 3XX413

Department: 8020 Civil Engineering
Project Title: PRJ - Water Measurement

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	17,089	34,532	41,719	42,717	21%
Materials & Supplies	314	0	0	0	0%
Outside Services	0	0	0	0	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	1,434	300	309	318	3%
Totals	18,837	34,832	42,028	43,035	21%

Project Description: Canal, drain and stream flow measurement.

Notes: Water measurement is a prudent management tool to efficiently operate and control irrigation conveyance infrastructure. Labor increase in 2022 in response to additional time needed to monitor and analyze Main Canal Reservoir performance.

Applicable Policy: Under MID's Irrigation Master Plan and applicable federal, state and local regulation.

2022 O&M Budget Project Detail

Division: WATER OPERATIONS DIVISION
Project Number: 3XX421

Department: 8030 Water Resources
Project Title: PRJ - Water Data & Analysis

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	142,763	156,281	102,360	104,862	-35%
Materials & Supplies	576	16,000	15,355	15,816	-4%
Outside Services	2,470	10,927	10,609	10,927	-3%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	2,823	3,593	3,932	4,050	9%
MID Equipment	0	3,296	3,200	3,296	-3%
Totals	148,632	190,097	135,456	138,951	-29%

Project Description: Water Data Analysis.

Notes: Outside Services: State mandated regulatory water quality programs; laboratory costs. Material & Supplies: replacement of existing water quality and drain outflow measurement devices. Decrease in labor due to more hours spent in 2021 on groundwater management and reduced time needed for aquatic weed control permit administration.

Applicable Policy: State Water Resources Control Board General Permit pertaining to the use of aquatic pesticides.

2022 O&M Budget Project Detail

Division: WATER OPERATIONS DIVISION
Project Number: 3XX422

Department: 8030 Water Resources
Project Title: PRJ - Ground Water Management

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	119	94,946	104,564	107,134	10%
Materials & Supplies	0	0	0	0	0%
Outside Services	385	103,000	100,000	103,000	-3%
Seminars & Meetings	0	3,605	3,750	3,863	4%
Administrative & General	504	0	0	0	0%
MID Equipment	0	309	300	309	-3%
Totals	1,008	201,860	208,614	214,306	3%

Project Description: Groundwater management in the Modesto sub-basin.

Notes: Comply with SGMA regulations. Increase in staff hours due to additional time spent on Groundwater Sustainability Plan development and coordination meetings.

Applicable Policy: Memorandum of Understanding relating to the formation and operation of the Stanislaus and Tuolumne Rivers Groundwater Basin Association Groundwater Sustainability Agency and the Sustainable Groundwater Management Act of 2014.

2022 O&M Budget Project Detail

Division: WATER OPERATIONS DIVISION
Project Number: 3XX423

Department: 8030 Water Resources
Project Title: PRJ - Don Pedro Watershed

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	289,242	208,761	211,670	216,872	1%
Materials & Supplies	106	0	0	0	0%
Outside Services	153,597	203,853	303,400	312,502	49%
Seminars & Meetings	0	3,090	3,090	3,183	0%
Administrative & General	3,097	562	0	0	-100%
MID Equipment	0	300	300	309	0%
Totals	446,042	416,566	518,460	532,866	24%

Project Description: Management of the Tuolumne River watershed.

Notes: Outside Services: Increase in ASO program; don't expect as much state funding this year. Cooperative programs with TID/CCSF. Includes one third share of ASO flights over the Tuolumne River watershed.

Applicable Policy: Executed contract between MID-TID and Weather Modification Inc. for the cloud seeding and agreement between partner agencies for the Tuolumne River Snow Survey program and other miscellaneous activities within the watershed.

2022 O&M Budget Project Detail

Division: WATER OPERATIONS DIVISION
Project Number: 3XX430

Department: 8040 Irrigation Services
Project Title: PRJ - Irrigation Admin

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	527,472	521,087	528,684	533,117	1%
Materials & Supplies	1,319	2,060	2,122	2,185	3%
Outside Services	5,008	6,180	6,365	6,556	3%
Seminars & Meetings	193	4,502	4,637	4,776	3%
Administrative & General	0	515	530	546	3%
MID Equipment	1,211	5,150	5,305	5,464	3%
Totals	535,203	539,494	547,643	552,644	2%

Project Description: Irrigation Field Services Department administrative costs.

Notes: Outside services: ABS Presort to cover department mailings.

Applicable Policy: Water Operations Division mission statement.

2022 O&M Budget Project Detail

Division: WATER OPERATIONS DIVISION
Project Number: 3XX440

Department: 8040 Irrigation Services
Project Title: PRJ - Irrigation Services

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	2,122,180	2,026,319	2,060,101	2,108,770	2%
Materials & Supplies	885	5,628	5,797	5,971	3%
Outside Services	5,094	0	0	0	0%
Seminars & Meetings	162	6,153	6,338	6,528	3%
Administrative & General	14,596	23,943	24,662	25,402	3%
MID Equipment	59,536	61,800	63,654	65,564	3%
Totals	2,202,453	2,123,843	2,160,552	2,212,235	2%

Project Description: Allocation of labor and other costs of the Dichtenders, Night Tenders, and Irrigation Supervisors.

Notes: A&G: includes electricity and phones, was 10K less than normal due to remote working.

2022 O&M Budget Project Detail

Division: WATER OPERATIONS DIVISION
Project Number: 3XX441

Department: 8040 Irrigation Services
Project Title: PRJ - La Grange

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	2,595	33,282	33,827	33,399	2%
Materials & Supplies	2,129	2,575	2,652	2,732	3%
Outside Services	93,232	60,000	61,800	63,654	3%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	891	0	0	0	0%
MID Equipment	41	3,000	3,090	3,183	3%
Totals	98,888	98,857	101,369	102,968	3%

Project Description: La Grange Diversion Dam operational costs.

Notes: Material & Supplies: tunnel gate parts and controls. Outside Services: TID charges, the 2020 actual was high due to a 320K charge from TID that was credited back. Increased to 61K for 2022 which is an average over the last few years. A&G: for 2020 was charged to wrong account, no change.

Applicable Policy: Water Operations Division mission statement.

2022 O&M Budget Project Detail

Division: WATER OPERATIONS DIVISION
Project Number: 3XX442

Department: 8040 Irrigation Services
Project Title: PRJ - Upper Main Canal

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	171,281	222,166	226,466	231,594	2%
Materials & Supplies	153	1,030	1,061	1,093	3%
Outside Services	14,666	1,093	1,126	1,160	3%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	8,288	8,742	9,004	9,274	3%
MID Equipment	10,776	19,035	19,606	20,194	3%
Totals	205,164	252,066	257,263	263,315	2%

Project Description: Costs of operation and maintenance and repairs of the Modesto Upper Main Canal which runs from La Grange Diversion Dam to the Modesto Reservoir.

Notes: A&G: electricity and remote monitoring for Morton Fill. Material & Supplies: canal construction materials. Outside Services: this was over in 2020 due to it being charged to the wrong account for STRGBA GSA/ Cost sharing agreement

Applicable Policy: MID Business Plan.

2022 O&M Budget Project Detail

Division: WATER OPERATIONS DIVISION
Project Number: 3XX443

Department: 8040 Irrigation Services
Project Title: PRJ - Modesto Reservoir

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	188,727	187,147	196,432	200,974	5%
Materials & Supplies	1,051	515	530	546	3%
Outside Services	0	0	0	0	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	8,403	12,731	13,113	13,506	3%
MID Equipment	8,245	9,000	9,270	9,548	3%
Totals	206,426	209,393	219,345	224,574	5%

Project Description: Accounts for the costs of operation and maintenance of Modesto Reservoir.

Notes: Modesto Reservoir is vital for regulation of water flows that result from electric generation in addition to servicing MID's irrigation and domestic water customers. A&G: costs account for the remote monitoring telephone for the reservoir tender, electricity and dam permit fees.

Applicable Policy: MID Business Plan.

2022 O&M Budget Project Detail

Division: WATER OPERATIONS DIVISION
Project Number: 3XX444

Department: 8040 Irrigation Services
Project Title: PRJ - Pumps

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	186,123	287,067	291,464	298,491	2%
Materials & Supplies	60,817	58,350	60,101	61,904	3%
Outside Services	3,402	2,500	10,000	10,300	300%
Seminars & Meetings	0	2,732	2,814	2,898	3%
Administrative & General	536,476	300,000	550,000	566,500	83%
MID Equipment	42,050	15,914	16,391	16,883	3%
Totals	828,868	666,563	930,770	956,976	40%

Project Description: Accounts for the operation and maintenance of MID's numerous irrigation and drainage wells.

Notes: Outside Services: increased outside services due to drought conditions resulting in increased pumping which in turn may result in increased use of outside services to keep pumps running at optimal performance. A&G: Increased to cover electrical charges due to drought conditions. MID Equipment: 2020 increase was due to wrong cost code issued on new pump truck, that has been corrected and charges will be back to normal no need to increase.

Applicable Policy: MID Business Plan.

2022 O&M Budget Project Detail

Division: WATER OPERATIONS DIVISION
Project Number: 3XX450

Department: 8040 Irrigation Services
Project Title: PRJ - Laterals and Ditches

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Income & Expense	2,094	0	0	0	0%
Labor & Benefits	2,398,375	2,290,605	2,470,257	2,529,514	8%
Materials & Supplies	331,657	262,254	300,000	309,000	14%
Outside Services	142,485	89,000	100,000	103,000	12%
Seminars & Meetings	357	5,305	5,464	5,628	3%
Administrative & General	29,309	4,000	30,000	30,900	650%
MID Equipment	149,021	234,717	241,759	249,012	3%
Totals	3,053,298	2,885,881	3,147,480	3,227,054	9%

Project Description: Accounts for the operation and maintenance of the MID irrigation conveyance system below Modesto Reservoir.

Notes: Materials & Supplies: Increase of cost in materials for 2022. Outside Services: Increased to account for contract with Big Blue to remove trash and debris. A&G Increase due to cover costs for new Appify app subscription that processes work orders and maintenance tags over iphones and tablets.

Applicable Policy: Water Operations Division mission statement.

2022 O&M Budget Project Detail

Division: WATER OPERATIONS DIVISION
Project Number: 3XX451

Department: 8040 Irrigation Services
Project Title: PRJ - Guniting

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	432,332	531,702	540,415	553,230	2%
Materials & Supplies	508,881	550,000	566,500	583,495	3%
Outside Services	0	1,030	1,061	10,927	3%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	40,656	36,050	37,132	38,245	3%
Totals	981,869	1,118,782	1,145,108	1,185,897	2%

Project Description: Accounts for the costs associated with concrete re-surfacing of the MID canal lining.

Notes: Material & Supplies: Increase due to current drought conditions which consist in the ability to cover more ground guniting.

Applicable Policy: Water Operations Division mission statement.

2022 O&M Budget Project Detail

Division: WATER OPERATIONS DIVISION
Project Number: 3XX452

Department: 8040 Irrigation Services
Project Title: PRJ - Irrigation Pipelines

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	94,683	137,079	139,250	137,813	2%
Materials & Supplies	29,723	66,950	68,959	71,027	3%
Outside Services	24,975	27,000	27,810	28,644	3%
Seminars & Meetings	0	5,150	5,305	5,464	3%
Administrative & General	0	0	0	0	0%
MID Equipment	1,532	5,150	5,305	5,464	3%
Totals	150,913	241,329	246,629	248,412	2%

Project Description: Accounts for the maintenance of MID irrigation pipelines.

Notes: Material & Supplies: pipe, gate parts, concrete, sand and miscellaneous materials needed for maintenance of MID pipelines. Monthly charges for air monitors was moved from 3XX450.

Applicable Policy: Water Operations Division mission statement.

2022 O&M Budget Project Detail

Division: WATER OPERATIONS DIVISION
Project Number: 3XX453

Department: 8040 Irrigation Services
Project Title: PRJ - Structures

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	611	61,403	62,329	61,865	2%
Materials & Supplies	1,871	15,450	20,000	20,600	29%
Outside Services	3,445	5,150	5,305	5,464	3%
Seminars & Meetings	31	0	0	0	0%
Administrative & General	3,237	2,252	2,320	2,390	3%
MID Equipment	160	3,090	3,183	3,278	3%
Totals	9,355	87,345	93,137	93,597	7%

Project Description: Accounts for the maintenance of irrigation structures such as weirs, gates, drains and diversion points.

Notes: Materials & Supplies: Increased to cover the cost of maintenance on the SCADA system.

Applicable Policy: Water Operations Division mission statement.

2022 O&M Budget Project Detail

Division: WATER OPERATIONS DIVISION
Project Number: 3XX454

Department: 8040 Irrigation Services
Project Title: PRJ - Weed & Moss Control

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	151,555	195,716	176,153	174,532	-10%
Materials & Supplies	725,007	1,050,000	1,081,500	1,113,945	3%
Outside Services	1,532	5,000	5,150	5,304	3%
Seminars & Meetings	0	500	515	530	3%
Administrative & General	6,342	4,000	4,120	4,632	3%
MID Equipment	10,911	12,000	12,360	12,731	3%
Totals	895,347	1,267,216	1,279,798	1,311,674	1%

Project Description: Costs to control terrestrial and aquatic weeds in our canals and within right of ways.

Applicable Policy: Water Operations Division mission statement.

2022 O&M Budget Project Detail

Division: WATER OPERATIONS DIVISION
Project Number: 3XX455

Department: 8040 Irrigation Services
Project Title: PRJ - Landscaping

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	149,498	209,916	213,201	218,314	2%
Materials & Supplies	12,972	10,300	10,609	10,927	3%
Outside Services	22,760	28,139	28,983	0	3%
Seminars & Meetings	0	692	713	0	3%
Administrative & General	18,101	20,600	21,218	21,855	3%
MID Equipment	16,547	15,125	15,579	0	3%
Totals	219,878	284,772	290,303	251,096	2%

Project Description: Costs of landscape maintenance within irrigation rights of way.

Notes: Outside Services: tree trimming. A&G: power for sprinkler systems, dump fees and licensing fees.

Applicable Policy: Water Operations Division mission statement.

Domestic Water

O&M

2022 O&M Budget Division Summary

OM - DOMESTIC WATER DIVISION

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Prev. Budget to Current Budget
3XX470 PRJ - Domestic Water Admin	678,197	809,953	910,000	958,156	12.4%
3XX471 PRJ - Domestic Water A&G	2,639,171	3,358,252	3,503,133	3,590,018	4.3%
3XX472 PRJ - Domestic Water Operations	3,816,216	4,388,175	4,386,063	4,508,646	0.0%
3XX473 PRJ - Domestic Water Laboratory	525,418	568,364	731,728	750,546	28.7%
3XX474 PRJ - Domestic Water Maintenance	2,053,042	2,968,581	2,921,457	3,002,652	-1.6%
OM - 8150 OM - Modesto Domestic Water	9,712,044	12,093,324	12,452,380	12,810,018	3.0%
OM - 81 OM - DOMESTIC WATER DIVISION	\$9,712,044	\$12,093,324	\$12,452,380	\$12,810,018	3.0%

2022 O&M Budget Project Detail

Division: DOMESTIC WATER DIVISION
Project Number: 3XX470

Department: 8150 Modesto Domestic Water
Project Title: PRJ - Domestic Water Admin

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	229,196	416,609	370,526	379,634	-11%
Labor Vacancy	0	-109,156	-113,824	-116,621	4%
Materials & Supplies	7,233	20,000	15,000	15,450	-25%
Outside Services	208,565	250,000	250,000	257,500	0%
Seminars & Meetings	1,379	7,500	7,500	7,725	0%
Administrative & General	231,825	225,000	380,797	414,468	69%
MID Equipment	0	0	0	0	0%
Totals	678,198	809,953	909,999	958,156	12%

Project Description: Modesto Regional Water Treatment Plant Administration.

Notes: Provide Management and support staff for the MRWTP. Materials & Supplies: office supplies & equipment rental; A&G: Increased due to insurance related costs. SWRCB Fees and Water Treatment Plant insurance. Outside Services: Guard at Terminal Reservoir and anticipated miscellaneous consultant costs related to design, water quality, emergency response and health and safety. Seminars & Meetings: as of June 2021 on track to exceed budget allocated. Will keep the same.

Applicable Policy: State and Federal Water Quality Standards.

2022 O&M Budget Project Detail

Division: DOMESTIC WATER DIVISION
Project Number: 3XX471

Department: 8150 Modesto Domestic Water
Project Title: PRJ - Domestic Water A&G

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	0	0	0	0	0%
Materials & Supplies	0	0	0	0	0%
Outside Services	6,250	10,000	10,000	10,300	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	2,632,921	3,348,252	3,493,133	3,579,718	4%
MID Equipment	0	0	0	0	0%
Totals	2,639,171	3,358,252	3,503,133	3,590,018	4%

Project Description: Administrative and General Overhead for District Support of the Modesto Regional Water Treatment Plant.

Notes: District provides services (such as HR, IT, Risk & Property) that support the plant and staff. Water Quality, emergency response, health and safety contingency fund.

Applicable Policy: State and Federal Water Quality Standards and Amended and Restated Treatment and Delivery Agreement.

2022 O&M Budget Project Detail

Division: DOMESTIC WATER DIVISION
Project Number: 3XX472

Department: 8150 Modesto Domestic Water
Project Title: PRJ - Domestic Water Operations

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	1,780,916	1,636,480	1,658,063	1,698,806	1%
Materials & Supplies	1,134,228	1,440,000	1,450,000	1,493,500	1%
Outside Services	0	53,045	55,000	56,650	4%
Seminars & Meetings	0	17,500	17,500	18,025	0%
Administrative & General	896,948	1,236,000	1,200,000	1,236,000	-3%
MID Equipment	4,124	5,150	5,500	5,665	7%
Totals	3,816,216	4,388,175	4,386,063	4,508,646	0%

Project Description: WTP Operating costs for chemicals, energy, and outside contracts for conventional and membrane operation.

Notes: Produce drinking water for City of Modesto residents. Materials & Supplies: Treatment chemicals and raw water; Anticipate post pandemic work to increase which will bring us closer to proposed. A&G: electricity. Labor increased due to additional lab technician position.

Applicable Policy: State and Federal Drinking Water Standards.

2022 O&M Budget Project Detail

Division: DOMESTIC WATER DIVISION
Project Number: 3XX473

Department: 8150 Modesto Domestic Water
Project Title: PRJ - Domestic Water Laboratory

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	401,841	413,864	577,578	591,771	40%
Materials & Supplies	37,545	80,000	75,000	77,250	-6%
Outside Services	56,054	55,000	56,650	58,350	3%
Seminars & Meetings	1,287	7,500	7,500	7,725	0%
Administrative & General	28,691	12,000	15,000	15,450	25%
MID Equipment	0	0	0	0	0%
Totals	525,418	568,364	731,728	750,546	29%

Project Description: Modesto Regional Water Treatment Plant Laboratory.

Notes: Process control and regulatory compliance. Materials & Supplies: lab chemicals & supplies; new Environmental Laboratory Accreditation Program regulation. Reduced budget slightly as expected costs will be spread out over 3 year implementation period. Outside Services: contract lab services; A&G: lab certification, regulatory and permit fees. Increased to better match 2020 actuals. Decrease in outside services due to non-visitor restriction; expected to pick up in 2022.

Applicable Policy: State and Federal Drinking Water Standards and AWWA Standards.

2022 O&M Budget Project Detail

Division: DOMESTIC WATER DIVISION
Project Number: 3XX474

Department: 8150 Modesto Domestic Water
Project Title: PRJ - Domestic Water Maintenance

	2020	2021	2022	2023	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	1,286,550	1,171,581	1,187,957	1,217,147	1%
Materials & Supplies	302,705	515,000	500,500	515,515	-3%
Outside Services	446,304	1,250,000	1,200,000	1,236,000	-4%
Seminars & Meetings	0	7,000	7,000	7,210	0%
Administrative & General	11,107	15,000	15,500	15,965	3%
MID Equipment	6,376	10,000	10,500	10,815	5%
Totals	2,053,042	2,968,581	2,921,457	3,002,652	-2%

Project Description: Modesto Regional Water Treatment Plant Maintenance including additional costs for sludge disposal; spare parts.

Notes: Maintain WTP. Materials & Supplies: Parts for electric equipment; chemicals. Tracking lower, reduced to match 2020 actuals. Outside Services: hindered by COVID restrictions only critical path items addressed.

Applicable Policy: State and Federal water quality standards.

Information Technology Capital

2022 Capital Budget Division Summary

CAP - INFORMATION TECHNOLOGY DIVISION

Project	2022 Adopted Budget
722401 PRJ - Microwave Radio System Upgrade	601,124
722402 PRJ - MID Website Redesign and Content Management System	320,000
722403 PRJ - Districtwide WiFi Replacement	200,000
722404 PRJ - Oracle EPM and Analytics Cloud Upgrade	290,000
7XX101 PRJ - Server Hardware/Software	237,000
7XX102 PRJ - Network Hardware/Software	210,000
7XX103 PRJ - Printers/Scanners/Projector	100,000
7XX119 PRJ - Comm Equip Upgrade	205,000
7XX138 PRJ - IT Security Infrastructure	560,000
CAP - 4010 CAP - Information Technology	2,723,124
CAP - 40 CAP - INFORMATION TECHNOLOGY DIVISION	2,723,124

2022 Capital Budget Project Detail

Division: INFORMATION TECHNOLOGY DIVISION
Project Number: 722401

Department: 4010 Information Technology
Project Title: PRJ - Microwave Radio System Upgrade

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	240,000
Outside Services	281,124
Seminars & Meetings	0
Administrative & General	80,000
MID Equipment	0
Totals	601,124

Project Description	Upgrade the District's vital microwave radio link between Ripon and Modesto Service Center. This is part of a multi-year project to upgrade all of the District's microwave radios to maintain communications for multiple critical purposes including fault protection, capacitor bank control, advanced meter infrastructure, security cameras and relay maintenance.
Project Justification	The District's microwave system serves a vital function and is out of date and no longer supported by the vendor. In addition, recent FCC regulations have opened up the 6Ghz frequency range to unlicensed traffic, putting communications at risk. This multi-year project will replace the radios and will move vital traffic to secure licensed frequencies.

2022 Capital Budget Project Detail

Division: INFORMATION TECHNOLOGY DIVISION
Project Number: 722402

Department: 4010 Information Technology
Project Title: PRJ - MID Website Redesign and Content Management System

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	0
Outside Services	150,000
Seminars & Meetings	0
Administrative & General	170,000
MID Equipment	0
Totals	320,000

Project Description	The District's website was last redesigned in 2010, and is in need of a modernization and improvements to comply with the American with Disabilities Act. In addition, the software used to manage web content is out of date and no longer supported by the vendor. This project will involve a complete redesign of the website and replacement of the content management software to a cloud-hosted solution. The content management system will enable the District to avoid backfilling 1 FTE in the Business Applications Support Department.
Project Justification	The public website is essential for keeping the District's customers and partners informed of District news, rates/tariffs, Board meetings and special programs. The website is also the central hub for the District's customer online portal for electric and irrigation customers.
Applicable Policy	Technology, Customer Service

2022 Capital Budget Project Detail

Division: INFORMATION TECHNOLOGY DIVISION
Project Number: 722403

Department: 4010 Information Technology
Project Title: PRJ - Districtwide WiFi Replacement

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	137,768
Outside Services	29,742
Seminars & Meetings	0
Administrative & General	32,490
MID Equipment	0
Totals	200,000

Project Description	Replacement and expansion of the District's WiFi infrastructure. The current WiFi system was installed in 2011 and has reached maximum capacity. The WiFi needs of the District have expanded since 2011 and now include wireless use cases outside of traditional office areas such as Substations, Water Treatment Plant, Generation Stations, Service Center and Warehouse locations. This project will replace the outdated equipment and will include new infrastructure for areas not currently covered by WiFi.
Applicable Policy	Wireless technology is now in use by nearly every District department. Many of the District's work management systems, inventory systems, service order systems and engineering systems now require wireless connectivity.



2022 Capital Budget Project Detail

Division: INFORMATION TECHNOLOGY DIVISION
Project Number: 722404

Department: 4010 Information Technology
Project Title: PRJ - Oracle EPM and Analytics Cloud Upgrade

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	0
Outside Services	162,500
Seminars & Meetings	0
Administrative & General	127,500
MID Equipment	0
Totals	290,000

Project Description Upgrade and cloud migration of the District's budget and planning software system. The current system has been in service for nearly 10 years and is no longer supported by the vendor. The system is also running on outdated hardware. It is more cost effective to migrate to the cloud than to upgrade and replace on premise hardware.

2022 Capital Budget Project Detail

Division: INFORMATION TECHNOLOGY DIVISION
Project Number: 7XX101

Department: 4010 Information Technology
Project Title: PRJ - Server Hardware/Software

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	237,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	237,000

Project Description	Planned replacement of computer server hardware, software and related server equipment. Systems/equipment includes servers, disk drives, memory, host bus adapters, fiber switches, Power Distribution Units and other related systems/equipment.
Project Justification	To maintain the District's technology infrastructure. Replace or upgrade equipment based on functional reliability, availability, cost-effectiveness, application requirement or redundancy. Recycle technology elsewhere in the District whenever feasible.
Applicable Policy	District Mission - Technology Goal.

2022 Capital Budget Project Detail

Division: INFORMATION TECHNOLOGY DIVISION
Project Number: 7XX102

Department: 4010 Information Technology
Project Title: PRJ - Network Hardware/Software

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	210,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	210,000

Project Description	Planned replacement of network hardware and software such as routers, switches and other related equipment.
Project Justification	The District's data network has become increasingly critical to MID operations over the past several years. This network connects virtually all District facilities and enables District business and operational systems. An increase in cloud-computing and implementation of a modern telephone system has put more pressure on the network. Maintaining the hardware and operating systems of this network will ensure the reliable operations for years to come.
Applicable Policy	District Mission - Technology Goal.

2022 Capital Budget Project Detail

Division: INFORMATION TECHNOLOGY DIVISION
Project Number: 7XX103

Department: 4010 Information Technology
Project Title: PRJ - Printers/Scanners/Projector

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	100,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	100,000

Project Description	Planned replacement of computer peripheral and related systems equipment. Systems/equipment includes printers, plotters, scanners, projectors and other related systems/equipment.
Project Justification	Replace or upgrade based on functional reliability, availability, cost-effectiveness, application required, or redundancy to support District operations. Recycle technology elsewhere in the District whenever feasible.
Applicable Policy	District Mission - Technology Goal.

2022 Capital Budget Project Detail

Division: INFORMATION TECHNOLOGY DIVISION
Project Number: 7XX119

Department: 4010 Information Technology
Project Title: PRJ - Comm Equip Upgrade

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	205,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	205,000

Project Description	Planned routine capital replacement of small communications equipment such as low capacity microwave and telecommunication equipment.
Project Justification	To maintain the District's technology communications infrastructure. Replace or upgrade equipment based on functional reliability.
Applicable Policy	District Mission - Technology Goal; Reliability; Security.

2022 Capital Budget Project Detail

Division: INFORMATION TECHNOLOGY DIVISION
Project Number: 7XX138

Department: 4010 Information Technology
Project Title: PRJ - IT Security Infrastructure

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	560,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	560,000

Project Description	Planned information security improvements and upgrades required to address ongoing and increasing security concerns and meet North American Electric Reliability Corporation (NERC) compliance requirements. This year's cost increase is mainly due to anticipated requirements from the President's Executive Order on Improving the Nation's Cybersecurity.
Project Justification	To maintain and upgrade the District's IT security software and hardware infrastructure as required to address both compliance and security threats to the District. Examples include NERC CIP Security Control Systems, internal and external firewalls, intrusion prevention systems, vulnerability scanning systems, and System Information and Event Management systems.
Applicable Policy	District Mission - Technology Goal.

Finance

Capital



2022 Capital Budget Division Summary CAP - FINANCE DIVISION

Project	2022 Adopted Budget
722406 PRJ - EV Charging Project for Main Building	310,000
722407 PRJ - Service Center Ice Machine Replacement	25,000
722408 PRJ - Main Office Elevator Modernization	630,000
722405 PRJ - Replace Fleet Shop In-Ground Hoists	300,000
CAP - 5031 CAP - Buildings & Grounds	1,265,000
722421 PRJ - Replace Trailer 323	70,000
722423 PRJ - Replace Trailer 333	70,000
722410 PRJ - Replace Unit 012	45,000
722414 PRJ - Replace Unit 072	7,500
722416 PRJ - Replace Unit 144	7,500
722413 PRJ - Replace Vehicle 071	200,000
722415 PRJ - Replace Vehicle 123	50,000
722422 PRJ - Replace Vehicle 326	30,000
722424 PRJ - Replace Vehicle 339	42,000
722426 PRJ - Replace Vehicle 349	42,000
722433 PRJ - Additional Vehicle for Op-Tech Group 3	30,000
722436 PRJ - Replace Vehicle 701	50,000
722434 PRJ - Additional Vehicle for Op-Tech Group 1	30,000
722435 PRJ - Additional Vehicle for Op-Tech Group 2	30,000
722417 PRJ - Replace Unit 178	500,000
722430 PRJ - Replace Unit 497	30,000
722437 PRJ - Mobile Column Lifts	100,000
722428 PRJ - Replace Unit 407	175,000
722432 PRJ - Replace Vehicle 501	65,000
722409 PRJ - Replace Vehicle 008	150,000
722429 PRJ - Replace Vehicle 435	45,000
722419 PRJ - Replace Vehicle 205	52,000

2022 Capital Budget Division Summary CAP - FINANCE DIVISION

Project	2022 Adopted Budget
722412 PRJ - Replace Vehicle 057	65,000
722425 PRJ - Replace Vehicle 347	180,000
722431 PRJ - Replace Vehicle 499	180,000
722411 PRJ - Replace Vehicle 015	45,000
722427 PRJ - Replace Vehicle 385	45,000
722420 PRJ - Replace Vehicle 298	30,000
722418 PRJ - Replace Vehicle 191	52,000
CAP - 5033 CAP - Fleet Maintenance	2,418,000
 CAP - 50 CAP - FINANCE DIVISION	 <u>3,683,000</u>

2022 Capital Budget Project Detail

Division: FINANCE DIVISION
Project Number: 722406

Department: 5031 Buildings & Grounds
Project Title: PRJ - EV Charging Project for Main Building

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	310,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	310,000

Project Description Install electrical infrastructure to support EV charge stations in the future at the Downtown main office. This would include necessary power infrastructure for both customer and District charge stations located in the main parking lot and within the secured parking area.

2022 Capital Budget Project Detail

Division: FINANCE DIVISION
Project Number: 722407

Department: 5031 Buildings & Grounds
Project Title: PRJ - Service Center Ice Machine Replacement

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	25,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	25,000

Project Description Replace 2 ice machines out at the Service Center.

Project Justification Both Ice machines are 20 years old and have endured several large repairs over the past years. It is best to replace since they are at the end of their projected life of service.



2022 Capital Budget Project Detail

Division: FINANCE DIVISION
Project Number: 722408

Department: 5031 Buildings & Grounds
Project Title: PRJ - Main Office Elevator Modernization

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	630,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	630,000

Project Description	To modernize all three elevators designed for employee transport (excludes freight elevator and dumbwaiter). Scope would exclude replacement of the elevator car or shaft. Scope would include replacement of controls, communication lines, safety components, hydraulic pumps, and instruments as well as other necessary items.
Project Justification	The elevators are over thirty years of age and have performed beyond their life expectancy. In recent years there has been a large increase in equipment failures requiring major repairs to get the equipment back online. By modernizing our elevators, we will meet current safety guidelines and provide new equipment with instruments that extend the life expectancy and lower the risk of failure.

2022 Capital Budget Project Detail

Division: FINANCE DIVISION
Project Number: 722405

Department: 5031 Buildings & Grounds
Project Title: PRJ - Replace Fleet Shop In-Ground Hoists

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	300,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	300,000

Project Description Replace in-ground hoists located inside the Fleet Shop.

Project Justification Changes in new vehicle construction and the unavailability of mounting adapters have limited the hoists use. In addition, there are existing safety concerns with the current hoists. During the vehicle set-up period, the trench cover plates can leave the trench uncovered. The current hoists do not have a positive locking device that prevent the hoist from falling down in case of hoist failure. The new hoists have a positive locking device that prevent hoist leak down while in use and an aluminum track system keeps the trench covered at all time.

2022 Capital Budget Project Detail

Division: FINANCE DIVISION
Project Number: 722421

Department: 5033 Fleet Maintenance
Project Title: PRJ - Replace Trailer 323

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	70,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	70,000

Project Description 323 is a Crew Leader Trailer assigned to Line Construction. This unit was purchased in 1971. Trailer will be 51 years old in 2022. Trailer will be replaced with custom built trailer similar to what was purchased in 2021.

Project Justification Trailer is at end of life and ready for replacement.

2022 Capital Budget Project Detail

Division: FINANCE DIVISION
Project Number: 722423

Department: 5033 Fleet Maintenance
Project Title: PRJ - Replace Trailer 333

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	70,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	70,000

Project Description 333 is a Crew Leader Trailer assigned to Line Construction. This unit was purchased in 1971. Trailer will be 51 years old in 2022. Trailer will be replaced with custom trailer similar to unit purchased in 2021.

Project Justification Trailer is at end of life and needs to be replaced.

2022 Capital Budget Project Detail

Division: FINANCE DIVISION
Project Number: 722410

Department: 5033 Fleet Maintenance
Project Title: PRJ - Replace Unit 012

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	45,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	45,000

Project Description 012 is a 2003 CAT GP30 Forklift assigned to the Warehouse. This lift will be 19 years old with approximately 5,000 hours on it in 2022. Lift will be replaced with like sized vehicle.

Project Justification Repair costs and downtime have risen significantly due to age of unit.

2022 Capital Budget Project Detail

Division: FINANCE DIVISION
Project Number: 722414

Department: 5033 Fleet Maintenance
Project Title: PRJ - Replace Unit 072

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	7,500
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	7,500

Project Description 072 is a 2013 Quincy Air Compressor attached to truck 008 and assigned to the Fleet Department. This unit will be 9 years old in 2022. Unit will be replaced with like sized unit.

Project Justification The unit no longer functions reliably and needs to be replaced.

2022 Capital Budget Project Detail

Division: FINANCE DIVISION
Project Number: 722416

Department: 5033 Fleet Maintenance
Project Title: PRJ - Replace Unit 144

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	7,500
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	7,500

Project Justification 144 is a 1988 Lincoln Welder attached to truck 008 and assigned to the Fleet Department. This unit will be 34 years old in 2022. Unit will be replaced with like sized unit.

Applicable Policy Vehicle Replacement Policy

2022 Capital Budget Project Detail

Division: FINANCE DIVISION
Project Number: 722413

Department: 5033 Fleet Maintenance
Project Title: PRJ - Replace Vehicle 071

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	200,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	200,000

Project Description 071 is a 2007 Ford F550 truck assigned to the Line Construction Department. This vehicle will be 15 years old with approximately 109,000 miles in 2022. Vehicle will be replaced with a F650 chassis with dump bed and cross box.

Project Justification Vehicle Replacement Policy

2022 Capital Budget Project Detail

Division: FINANCE DIVISION
Project Number: 722415

Department: 5033 Fleet Maintenance
Project Title: PRJ - Replace Vehicle 123

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	50,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	50,000

Project Description	123 is a 2007 Ford F150 truck with service body assigned to the Building Services department. This vehicle will be 15 years old with approximately 91,000 miles in 2022. Vehicle will be replaced with a ¾ ton size truck and service body to better handle to needs of the department.
Project Justification	Vehicle Replacement Policy

2022 Capital Budget Project Detail

Division: FINANCE DIVISION
Project Number: 722422

Department: 5033 Fleet Maintenance
Project Title: PRJ - Replace Vehicle 326

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	30,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	30,000

Project Description 326 is a 2015 Chevrolet ½ ton truck assigned to the Irrigation department. This vehicle will be 7 years old with approximately 185,000 miles in 2022. Vehicle will be replaced with a like size vehicle.

Project Justification Vehicle Replacement Policy

2022 Capital Budget Project Detail

Division: FINANCE DIVISION
Project Number: 722424

Department: 5033 Fleet Maintenance
Project Title: PRJ - Replace Vehicle 339

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	42,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	42,000

Project Description 339 is a 2013 Ford F150 truck assigned to the Line Construction department. This vehicle will be 9 years old with approximately 160,000 miles in 2022. Vehicle will be replaced with a like size vehicle.

Project Justification Vehicle Replacement Policy

2022 Capital Budget Project Detail

Division: FINANCE DIVISION
Project Number: 722426

Department: 5033 Fleet Maintenance
Project Title: PRJ - Replace Vehicle 349

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	42,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	42,000

Project Description 349 is a 2007 Ford F150 truck assigned to the Line Construction department. This vehicle will be 15 years old with approximately 126,000 miles in 2022. Vehicle will be replaced with a like size vehicle.

Project Justification Vehicle Replacement Policy



2022 Capital Budget Project Detail

Division: FINANCE DIVISION
Project Number: 722433

Department: 5033 Fleet Maintenance
Project Title: PRJ - Additional Vehicle for Op-Tech Group 3

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	30,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	30,000

Project Description Add compact pick-up, crew cab, short bed (or similar) that will be assigned to Op-Tech group.

Project Justification Standard operation procedure is that field personnel have their own assigned vehicle. While staffing in the department grew over the years, vehicles were not added.

2022 Capital Budget Project Detail

Division: FINANCE DIVISION
Project Number: 722436

Department: 5033 Fleet Maintenance
Project Title: PRJ - Replace Vehicle 701

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	50,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	50,000

Project Description 701 is a 2004 Ford F250 truck with Service Body assigned to McClure Generation. This vehicle will be 19 years old with approximately 50,000 miles in 2022. Vehicle will be replaced with like sized vehicle.

Project Justification Vehicle Replacement Policy

2022 Capital Budget Project Detail

Division: FINANCE DIVISION
Project Number: 722434

Department: 5033 Fleet Maintenance
Project Title: PRJ - Additional Vehicle for Op-Tech Group 1

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	30,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	30,000

Project Description Add compact pick-up, crew cab, short bed (or similar) that will be assigned to Op-Tech group.

Project Justification Standard operation procedure is that each field personnel have their own assigned vehicle. While staffing in the department grew over the years, vehicles were not added.

2022 Capital Budget Project Detail

Division: FINANCE DIVISION
Project Number: 722435

Department: 5033 Fleet Maintenance
Project Title: PRJ - Additional Vehicle for Op-Tech Group 2

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	30,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	30,000

Project Description Add compact pick-up, crew cab, short bed (or similar) that will be assigned to Op-Tech group.

Project Justification Standard operation procedure is that each field personnel have their own assigned vehicle. While staffing in the department grew over the years, vehicles were not added.

2022 Capital Budget Project Detail

Division: FINANCE DIVISION
Project Number: 722417

Department: 5033 Fleet Maintenance
Project Title: PRJ - Replace Unit 178

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	500,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	500,000

Project Description Replace Unit 178 with a CAT D6K2 dozer or equivalent.

Project Justification 178 is a 1979 Case 1450 dozer. Unit will be 43 years old in 2022. This unit has a Tier 0 engine and must be removed from service by 2023 per CARB regulations.

2022 Capital Budget Project Detail

Division: FINANCE DIVISION
Project Number: 722430

Department: 5033 Fleet Maintenance
Project Title: PRJ - Replace Unit 497

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	30,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	30,000

Project Description Replace Unit 497 with a CAT 308cr excavator or equivalent.

Project Justification 497 is a 1979 CAT D3. Unit will be 43 years old in 2022. This unit has a Tier 0 engine and must be removed from service by 2023 per CARB regulations.

2022 Capital Budget Project Detail

Division: FINANCE DIVISION
Project Number: 722437

Department: 5033 Fleet Maintenance
Project Title: PRJ - Mobile Column Lifts

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	100,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	100,000

Project Description Purchase set of 6 mobile column lifts

Project Justification The mobile column lifts attach to the truck wheels leaving an unobstructed work area under the truck. The linking together of the lifts are accomplished by radio. Mobile jacks can be used in various location in the fleet shop and arranged for vehicles with two or three axle combinations. Many times, repairs are delayed due the unavailability of lifts.

2022 Capital Budget Project Detail

Division: FINANCE DIVISION
Project Number: 722428

Department: 5033 Fleet Maintenance
Project Title: PRJ - Replace Unit 407

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	175,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	175,000

Project Description Replace Unit 407

Project Justification 407 is a portable underground pulling trailer with an air compressor built in. The air compressor unit has a tier 2 motor, which per CARB regulations must be removed from service by the end of 2022.

2022 Capital Budget Project Detail

Division: FINANCE DIVISION
Project Number: 722432

Department: 5033 Fleet Maintenance
Project Title: PRJ - Replace Vehicle 501

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	65,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	65,000

Project Description	Replace Vehicle 501
Project Justification	501 is a 2006 Ford F250 truck assigned to the Metering department. This vehicle will be 16 years old with approximately 45,000 miles in 2022. Vehicle will be replaced with like size vehicle.
Applicable Policy	Vehicle Replacement Policy

2022 Capital Budget Project Detail

Division: FINANCE DIVISION
Project Number: 722409

Department: 5033 Fleet Maintenance
Project Title: PRJ - Replace Vehicle 008

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	150,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	150,000

Project Description Replace Vehicle 008

Project Justification 008 is a 2005 Ford F550 truck assigned to the Fleet department. This vehicle will be 16 years old with approximately 75,000 miles in 2021. Vehicle will be replaced with like size vehicle. Due to age of vehicle and heavy use, repairs and downtime are increasing.

2022 Capital Budget Project Detail

Division: FINANCE DIVISION
Project Number: 722429

Department: 5033 Fleet Maintenance
Project Title: PRJ - Replace Vehicle 435

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	45,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	45,000

Project Description Replace Vehicle 435

Project Justification 435 is a 2004 Ford Ranger assigned to the Electrical Engineering department. The vehicle will be 18 years old with approximately 45,000 miles in 2022. Vehicle will be replaced with an EV type vehicle if approved as part of the SJVAPCD Grants program.

Applicable Policy Vehicle Replacement Policy

2022 Capital Budget Project Detail

Division: FINANCE DIVISION
Project Number: 722419

Department: 5033 Fleet Maintenance
Project Title: PRJ - Replace Vehicle 205

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	52,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	52,000

Project Description Replace Vehicle 205

Project Justification 205 is a 2008 Ford F250 with Service Body assigned to the Substation department. This vehicle will be 15 years old with approximately 98,000 miles in 2022. Vehicle will be replaced with like for like vehicle.

Applicable Policy Vehicle Replacement Policy

2022 Capital Budget Project Detail

Division: FINANCE DIVISION
Project Number: 722412

Department: 5033 Fleet Maintenance
Project Title: PRJ - Replace Vehicle 057

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	65,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	65,000

Project Description Replace Vehicle 057

Project Justification 057 is a 2007 Ford E350 1-ton van assigned to the Metering department. This vehicle will be 15 years old with approximately 102,000 miles in 2022. Vehicle will be replaced with a F250 size truck with service body.

Applicable Policy Vehicle Replacement Policy

2022 Capital Budget Project Detail

Division: FINANCE DIVISION
Project Number: 722425

Department: 5033 Fleet Maintenance
Project Title: PRJ - Replace Vehicle 347

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	180,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	180,000

Project Description Replace Vehicle 347

Project Justification 347 is a 2012 Ford 550 Trouble Truck assigned to the Trouble department. This vehicle will be 10 years old with approximately 180,000 miles in 2022. This vehicle will have approximately 15,500 hours on it in 2022. At a conversion rate of 45mph, that equates to 697,500 miles. These vehicles get very heavy use and we are seeing repair costs and shop down time climb fast. Vehicle will be replaced with like for like.

2022 Capital Budget Project Detail

Division: FINANCE DIVISION
Project Number: 722431

Department: 5033 Fleet Maintenance
Project Title: PRJ - Replace Vehicle 499

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	180,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	180,000

Project Description Replace Vehicle 499

Project Justification 499 is a 2011 Dodge 5550 Trouble Truck assigned to the Trouble department. This vehicle will be 11 years old with approximately 187,000 miles in 2022. This vehicle will have approximately 10,900 hours on it in 2022. At a conversion rate of 45mph, that equates to 490,500 miles. These vehicles get very heavy use and we are seeing repair costs and shop down time climb fast. Vehicle will be replaced with like for like.

2022 Capital Budget Project Detail

Division: FINANCE DIVISION
Project Number: 722411

Department: 5033 Fleet Maintenance
Project Title: PRJ - Replace Vehicle 015

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	45,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	45,000

Project Description Replace Vehicle 015

Project Justification 015 is a 2005 Ford Taurus assigned to the Purchasing and Materials Handling department. This vehicle will be 18 years old with approximately 55,000 miles in 2022. Vehicle will be replaced with an EV type vehicle if approved as part of the SJVAPCD Grants program.

Applicable Policy Vehicle Replacement Policy

2022 Capital Budget Project Detail

Division: FINANCE DIVISION
Project Number: 722427

Department: 5033 Fleet Maintenance
Project Title: PRJ - Replace Vehicle 385

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	45,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	45,000

Project Description Replace Vehicle 385

Project Justification 385 is a 2005 Ford Taurus assigned to the Electrical Engineering department. This vehicle will be 17 years old with approximately 52,000 miles in 2022. Vehicle will be replaced with an EV type vehicle if approved as part of the SJVAPCD Grants program.

Applicable Policy Vehicle Replacement Policy

2022 Capital Budget Project Detail

Division: FINANCE DIVISION
Project Number: 722420

Department: 5033 Fleet Maintenance
Project Title: PRJ - Replace Vehicle 298

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	30,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	30,000

Project Description	Replace Vehicle 298
Project Justification	298 is a 2005 Chevrolet 1/2 ton assigned to the Irrigation department. The vehicle will be 7 years old with approximately 158,000 miles in 2022. Vehicle will be replaced with like for like vehicle.
Applicable Policy	Vehicle Replacement Policy.

2022 Capital Budget Project Detail

Division: FINANCE DIVISION
Project Number: 722418

Department: 5033 Fleet Maintenance
Project Title: PRJ - Replace Vehicle 191

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	52,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	52,000

Project Description Replace Vehicle 191

Project Justification 191 is a 2008 Ford F250 with Service Body assigned to the Line Construction department. This vehicle will be 15 years old approximately 112,000 miles in 2022. Vehicle will be replaced with a like for like vehicle.

Applicable Policy Vehicle Replacement Policy

Electric Resources Capital

2022 Capital Budget Division Summary

CAP - ELECTRIC RESOURCES DIVISION

Project	2022 Adopted Budget
714331 PRJ - DP Generation Upgrade	5,996,395
714332 PRJ - DP Project Upgrade	5,209,609
722438 PRJ - DP Security - Physical improvements	19,000
722439 PRJ - DP Security - Camera Systems	14,200
722440 PRJ - DP Pallet Racks Warehouse	15,000
722441 PRJ - DP Housing	12,000
722442 PRJ - River Level Sensors	69,400
CAP - 6068 CAP - Don Pedro	11,335,604
CAP - 60 CAP - ELECTRIC RESOURCES DIVISION	11,335,604

2022 Capital Budget Project Detail

Division: ELECTRIC RESOURCES DIVISION
Project Number: 714331

Department: 6068 Don Pedro
Project Title: PRJ - DP Generation Upgrade

Approved Budget in Prior Years	4,569,738
Additional Amount Requested in Current Budget Year	5,996,395
Estimated Amount Required in Future Budget Cycles	37,304,633
Total Project Budget Inception to Completion	47,870,766

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	0
Outside Services	5,996,395
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	5,996,395

Project Description	Engineering studies and preliminary design for turbine/generation upgrades associated with relicensing.
Project Justification	The existing turbine/generator sets are near the end of their user lifecycles after 45 years of service. The generation equipment will need to be upgraded/replaced to continue reliable service for another 30-40 years. Delays in the FERC relicensing have pushed the schedule out for engineering design associated with repowering the Don Pedro facility.
Applicable Policy	Reliability of Power Supply, meet MID's long term resource goals, Don Pedro Operating Agreement.

2022 Capital Budget Project Detail

Division: ELECTRIC RESOURCES DIVISION
Project Number: 714332

Department: 6068 Don Pedro
Project Title: PRJ - DP Project Upgrade

Approved Budget in Prior Years	20,506,454
Additional Amount Requested in Current Budget Year	5,209,609
Estimated Amount Required in Future Budget Cycles	4,745,193
Total Project Budget Inception to Completion	30,461,256

	2022
	Adopted Budget
Labor & Benefits	0
Materials & Supplies	0
Outside Services	5,209,609
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	5,209,609

Project Description	Necessary project upgrades associated with the aging plant for safe and continued operation of the plant. Includes power house gantry crane refurbishment, replacement of trunnion bearings, installation of new Unit #4 turbine shut off valve, recoating of penstock, etc.
Project Justification	The Don Pedro plant, tunnels and dam are 45 years old. An assessment of the facilities has revealed many areas throughout the project that must be repaired/refurbished over the next several years in order to continue safe/reliable operation for the next 30-40 years.
Applicable Policy	Reliability of Power Supply, meet MID's long term resource goals, Don Pedro Operating Agreement.

2022 Capital Budget Project Detail

Division: ELECTRIC RESOURCES DIVISION
Project Number: 722438

Department: 6068 Don Pedro
Project Title: PRJ - DP Security - Physical improvements

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	0
Outside Services	19,000
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	19,000

Project Description Install new physical security equipment along dam.

Project Justification Physical security improvements.

Applicable Policy Don Pedro Operating Agreement.



2022 Capital Budget Project Detail

Division: ELECTRIC RESOURCES DIVISION
Project Number: 722439

Department: 6068 Don Pedro
Project Title: PRJ - DP Security - Camera Systems

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	0
Outside Services	14,200
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	14,200

Project Description Install new security cameras and equipment in the Control rooms, warehouse and dam.

Project Justification Physical security improvements.

Applicable Policy Don Pedro Operating Agreement.

2022 Capital Budget Project Detail

Division: ELECTRIC RESOURCES DIVISION
Project Number: 722440

Department: 6068 Don Pedro
Project Title: PRJ - DP Pallet Racks Warehouse

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	0
Outside Services	15,000
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	15,000

Project Description Install new pallet racks for the Warehouse.

Project Justification Warehouse improvements for Life Extension projects.

Applicable Policy Don Pedro Operating Agreement.



2022 Capital Budget Project Detail

Division: ELECTRIC RESOURCES DIVISION
Project Number: 722441

Department: 6068 Don Pedro
Project Title: PRJ - DP Housing

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	0
Outside Services	12,000
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	12,000

Project Description Replace the Housing Air Conditioning units.

Project Justification Housing improvements.

Applicable Policy Don Pedro Operating Agreement.

2022 Capital Budget Project Detail

Division: ELECTRIC RESOURCES DIVISION
Project Number: 722442

Department: 6068 Don Pedro
Project Title: PRJ - River Level Sensors

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	0
Outside Services	69,400
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	69,400

Project Description	Tuolumne River level and flow measurements at various location: Don Pedro, La Grange Dam, Downstream of La Grange Dam, and Ninth Street Bridge.
Project Justification	Increasing regulations for river flows and the Don Pedro relicense are requiring a greater need for accurate river level monitoring equipment.
Applicable Policy	Don Pedro Operating Agreement.

Transmission & Distribution Capital

2022 Capital Budget Division Summary

CAP - ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION

Project	2022 Adopted Budget
666001 PRJ - RC-Overhead Services	529,838
666002 PRJ - RC-Underground Services	272,987
666003 PRJ - RC-Overhead Pvt Lighting (9000 Lumen)	38,577
666005 PRJ - RC-Transm-Towers/Poles/Fixtures/Cond/Devices	9,770
666006 PRJ - RC-Dist-Towers/Poles/Fixtures/Cond/Devices	1,234,588
666007 PRJ - RC-Underground Conduits/Conductors/Devices	1,406,091
666008 PRJ - RC-Overhead Transformers	986,247
666009 PRJ - RC-Underground Transformers	1,853,532
719949 PRJ - 230kV Pole Painting-Joint Section	1,350,000
7XX106 PRJ - Mountain House Development	1,202,525
7XX107 PRJ - Mountain House Substructure	934,718
7XX108 PRJ - Pole Relocations	763,133
7XX109 PRJ - Conduit Installations	1,305,880
7XX111 PRJ - Pole Replace/Restorations	364,930
7XX113 PRJ - Contaminated Transf. Repl.	109,829
7XX123 PRJ - Primary System Improvements	134,039
7XX130 PRJ - OH #6 Copper Replacements	895,039
7XX132 PRJ - UG Cable Installation	379,930
7XX139 PRJ - Cap Bank Refurbishments	396,311
722444 PRJ - Standiford B46 Reconductor	131,951
722445 PRJ - Westley-Rosemore 230kV Pole Painting Project	190,000
722443 PRJ - Clough-Stockton 69kV Line Re-route	432,271
CAP - 7072 CAP - Line Construction	14,922,186
722449 PRJ - Standiford 115kV Bus and T1 Upgrade	4,160,227
722450 PRJ - Substation Transformer	966,424
722451 PRJ - Standiford B46 UG Reconductor	214,997
722452 PRJ - Kelman Breaker Analyzer	19,000

2022 Capital Budget Division Summary

CAP - ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION

Project	2022 Adopted Budget
722453 PRJ - Micro Ohm Meter	8,791
722454 PRJ - Quick Connect Lead Set	7,400
722455 PRJ - Sf6 Gas Multi Analyzer	37,200
722456 PRJ - Vanguard Circuit Breaker Analyzer	19,200
722457 PRJ - Voltage Divider	90,400
722458 PRJ - AutoCAD Document Management System	115,193
7XX124 PRJ - Substation Improvements	354,101
7XX143 PRJ - Ground Grid Improvements	157,316
720239 PRJ - Codoni (Beard Tract) Substation-SUB	699,000
722446 PRJ - Control Building - Sylvan	541,357
722447 PRJ - Station Panel Upgrade - Oakdale	109,299
722448 PRJ - Substation Security - Parker	151,097
CAP - 7082 CAP - Substation	7,651,003
666012 PRJ - RC-Revenue Meter Equip	858,513
CAP - 7084 CAP - Meter/Transformer	858,513
CAP - 70 CAP - ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION	23,431,702

2022 Capital Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 666001

Department: 7072 Line Construction
Project Title: PRJ - RC-Overhead Services

	2022 Adopted Budget
Labor & Benefits	455,838
Materials & Supplies	50,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	24,000
Totals	529,838

Project Description	Total capital costs of providing service to new customers. Various accounts are used to capture the costs based on the type of service requested.
Project Justification	The provision of electric service to new residential and business development is an inherent obligation of electric utilities. This is critical to the economic vitality of the communities MID serves.
Applicable Policy	MID Business Plan; T&D Five-Year Plan; MID Services Rules; Obligation to serve.

2022 Capital Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 666002

Department: 7072 Line Construction
Project Title: PRJ - RC-Underground Services

	2022 Adopted Budget
Labor & Benefits	251,987
Materials & Supplies	16,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	5,000
Totals	272,987

Project Description	Total capital costs of providing service to new customers. Various accounts are used to capture the costs based on the type of service requested.
Project Justification	The provision of electric service to new residential and business development is an inherent obligation of electric utilities. This is critical to the economic vitality of the communities that MID serves.
Applicable Policy	MID Business Plan; T&D Five-Year Plan; MID Services Rules; Obligation to serve.

2022 Capital Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 666003

Department: 7072 Line Construction
Project Title: PRJ - RC-Overhead Pvt Lighting (9000 Lumen)

	2022 Adopted Budget
Labor & Benefits	26,077
Materials & Supplies	10,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	2,500
Totals	38,577

Project Description	Total capital costs of providing service to new customers. Various accounts are used to capture the costs based on the type of service requested.
Project Justification	Materials & Supplies: Adjusted closer to actuals.
Applicable Policy	MID Business Plan; T&D Five-Year Plan; MID Services Rules; Obligation to serve.

2022 Capital Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 666005

Department: 7072 Line Construction
Project Title: PRJ - RC-Transm-Towers/Poles/Fixtures/Cond/Devices

	2022 Adopted Budget
Labor & Benefits	8,370
Materials & Supplies	900
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	500
Totals	9,770

Project Description	Total capital costs of providing service to new customers. Various accounts are used to capture the costs based on the type of service requested.
Project Justification	The provision of electric service to new development is an inherent obligation of electric utilities. This is critical to the economic vitality of the communities that MID serves.
Applicable Policy	MID Business Plan; T&D Five-Year Plan; MID Services Rules; Obligation to serve.

2022 Capital Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 666006

Department: 7072 Line Construction
Project Title: PRJ - RC-Dist-Towers/Poles/Fixtures/Cond/Devices

	2022 Adopted Budget
Labor & Benefits	752,888
Materials & Supplies	435,768
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	45,932
Totals	1,234,588

Project Description	Total capital costs of providing service to new customers. Various accounts are used to capture the costs based on the type of service requested.
Project Justification	Materials & Supplies and Equipment: Increased due to added labor.
Applicable Policy	MID Business Plan; T&D Five-Year Plan; MID Services Rules; Obligation to serve.

2022 Capital Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 666007

Department: 7072 Line Construction
Project Title: PRJ - RC-Underground Conduits/Conductors/Devices

	2022 Adopted Budget
Labor & Benefits	869,669
Materials & Supplies	507,006
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	29,416
Totals	1,406,091

Project Description	Total capital costs of providing service to new customers. Various accounts are used to capture the costs based on the type of service requested.
Project Justification	The provision of electric service to new residential and business development is an inherent obligation of electric utilities. This is critical to the economic vitality of the communities that MID serves.
Applicable Policy	MID Business Plan; T&D Five-Year Plan; MID Services Rules; Obligation to serve.

2022 Capital Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 666008

Department: 7072 Line Construction
Project Title: PRJ - RC-Overhead Transformers

	2022 Adopted Budget
Labor & Benefits	428,247
Materials & Supplies	540,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	18,000
Totals	986,247

Project Description	Total capital costs of providing service to new customers. Various accounts are used to capture the costs based on the type of service requested.
Project Justification	Materials & Supplies: Increased due to increasing costs of cap banks.
Applicable Policy	MID Business Plan; T&D Five-Year Plan; MID Services Rules; Obligation to serve.

2022 Capital Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 666009

Department: 7072 Line Construction
Project Title: PRJ - RC-Underground Transformers

	2022 Adopted Budget
Labor & Benefits	505,532
Materials & Supplies	1,330,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	18,000
Totals	1,853,532

Project Description	Total capital costs of providing service to new customers. Various accounts are used to capture the costs based on the type of service requested.
Project Justification	Materials & Supplies: Adjusted closer to actuals.
Applicable Policy	MID Business Plan; T&D Five-Year Plan; MID Services Rules; Obligation to serve.

2022 Capital Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 719949

Department: 7072 Line Construction
Project Title: PRJ - 230kV Pole Painting-Joint Section

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	0
Outside Services	1,350,000
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	1,350,000

Project Description Sandblast and paint the steel poles of the joint owned section of MID/TID Westley - Parker/Walnut 230 kV Lines

Project Justification Old paint is no longer protecting the steel poles from the elements, leaving them vulnerable to rust.

Applicable Policy T&D Five-Year Plan; Reliability



2022 Capital Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 7XX106

Department: 7072 Line Construction
Project Title: PRJ - Mountain House Development

	2022 Adopted Budget
Labor & Benefits	660,269
Materials & Supplies	472,156
Outside Services	42,700
Seminars & Meetings	0
Administrative & General	0
MID Equipment	27,400
Totals	1,202,525

Project Description	Install electrical distribution system in the Mountain House community.
Project Justification	The extension of the electrical infrastructure to serve new business growth in the Mountain House community is an inherent obligation of MID.
Applicable Policy	Reliability; T&D Five-Year Plan; MID Agreement with Mountain House community; Rules; Obligation to Serve

2022 Capital Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 7XX107

Department: 7072 Line Construction
Project Title: PRJ - Mountain House Substructure

	2022 Adopted Budget
Labor & Benefits	126,318
Materials & Supplies	0
Outside Services	803,650
Seminars & Meetings	0
Administrative & General	0
MID Equipment	4,750
Totals	934,718

Project Description	Install substructure facilities within the Mountain House community.
Project Justification	Installation of the infrastructure in the Mountain House community including conduits, boxes, manholes and vaults is an inherent obligation of MID.
Applicable Policy	Reliability; T&D Five-Year Plan; MID Agreement with Mountain House community; Rules; Obligation to Serve

2022 Capital Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 7XX108

Department: 7072 Line Construction
Project Title: PRJ - Pole Relocations

	2022 Adopted Budget
Labor & Benefits	533,781
Materials & Supplies	193,352
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	36,000
Totals	763,133

Project Description	Provide labor, materials, and equipment needed to design and construct electric line relocations necessary as a result of a County or City road project conducted for the safety of the traveling public.
Project Justification	By agreement of legal staffs of City, County, and MID - MID is legally obligated to pay for City and County pole relocations when those poles are located in City or County road right-of-way and are needed for the safety of the traveling public.
Applicable Policy	Legal Requirement

2022 Capital Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 7XX109

Department: 7072 Line Construction
Project Title: PRJ - Conduit Installations

	2022 Adopted Budget
Labor & Benefits	644,110
Materials & Supplies	129,943
Outside Services	493,783
Seminars & Meetings	0
Administrative & General	12,055
MID Equipment	25,989
Totals	1,305,880

Project Description	Install conduits for direct buried primary and secondary cable throughout the District.
Project Justification	In the mid 1990s the first round of cable injection work was performed on direct buried primary cable. This injection work had a warranty of 10 years. Once cables are injected they cannot be injected again, therefore when the cables fail they need to be repaired or replaced. This project is to install conduits at these locations in order to replace the failed cables. This project may also address installing conduits for direct buried secondary services.
Applicable Policy	Reliability

2022 Capital Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 7XX111

Department: 7072 Line Construction
Project Title: PRJ - Pole Replace/Restorations

	2022 Adopted Budget
Labor & Benefits	258,586
Materials & Supplies	79,744
Outside Services	7,400
Seminars & Meetings	0
Administrative & General	0
MID Equipment	19,200
Totals	364,930

Project Description Replace or restore old wood poles which have deteriorated to the point where they can no longer safely function.

Project Justification To comply with General Order 165.

Applicable Policy Compliance with General Order 165; Public Safety

2022 Capital Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 7XX113

Department: 7072 Line Construction
Project Title: PRJ - Contaminated Transf. Repl.

	2022 Adopted Budget
Labor & Benefits	99,677
Materials & Supplies	7,052
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	3,100
Totals	109,829

Project Description	From time to time distribution transformers are discovered with levels of contamination not suited for their application. These transformers are associated with a specific manufacturer during certain time periods.
Project Justification	Replacement of the transformers as they are discovered reduces the cost of transformer replacements because the work can usually be scheduled during normal District business hours. Replacements before rupture also reduces the cost of contamination clean up.
Applicable Policy	MID Business Plan (Environmental)

2022 Capital Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 7XX123

Department: 7072 Line Construction
Project Title: PRJ - Primary System Improvements

	2022 Adopted Budget
Labor & Benefits	90,943
Materials & Supplies	37,096
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	6,000
Totals	134,039

Project Description	Various improvements to the primary system (12kV, 17kV, 21kV) throughout the District service territory.
Project Justification	The goal of this project is to make improvements on the distribution system. Some of these improvements include switch installations, reframing poles, minor reconductors, and possible wildlife protection implementation. These are intended to improve system reliability and reduce outages.
Applicable Policy	Reliability; Public Safety



2022 Capital Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 7XX130

Department: 7072 Line Construction
Project Title: PRJ - OH #6 Copper Replacements

	2022 Adopted Budget
Labor & Benefits	774,135
Materials & Supplies	81,581
Outside Services	4,895
Seminars & Meetings	0
Administrative & General	0
MID Equipment	34,428
Totals	895,039

Project Description Replace #6 copper overhead primary cable with #4 ACSR overhead primary cable.

Project Justification Replace #6 copper overhead primary cable with #4 ACSR cable for reliability and safety.

Applicable Policy Reliability; Safety

2022 Capital Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 7XX132

Department: 7072 Line Construction
Project Title: PRJ - UG Cable Installation

	2022 Adopted Budget
Labor & Benefits	258,586
Materials & Supplies	111,944
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	9,400
Totals	379,930

Project Description Install underground primary cable throughout the District.

Project Justification Underground conduit systems have been installed throughout the District in years past. These conduits were installed in areas that originally had direct buried cable installed. As of today, the majority of the conduits have not been populated by new primary cable, having the original direct buried cable still providing service. This project is for the installation of new primary cable in these conduit systems.

Applicable Policy T&D Five-Year Plan; Reliability

2022 Capital Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 7XX139

Department: 7072 Line Construction
Project Title: PRJ - Cap Bank Refurbishments

	2022 Adopted Budget
Labor & Benefits	314,967
Materials & Supplies	70,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	11,344
Totals	396,311

Project Description	Replace locally controlled distribution line capacitor banks with new automated capacitor banks.
Project Justification	The existing distribution system line capacitors are locally controlled and can only be interrogated in the field. Approximately 30% of the existing capacitor banks no longer work or are no longer required. This project will make the line capacitors operable from the Control Room and will improve the system reliability while reducing system losses. It will also reduce field inspections and interrogations since the data and status will be accessible via SCADA.
Applicable Policy	T&D Five-Year Plan; Reliability

2022 Capital Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 722444

Department: 7072 Line Construction
Project Title: PRJ - Standiford B46 Reconductor

	2022 Adopted Budget
Labor & Benefits	86,451
Materials & Supplies	39,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	6,500
Totals	131,951

Project Description Reconductor 2,400 ft of 266 AA to 636 AA.

Project Justification Prescott B54 doesn't have a valid feeder contingency for 2022 without this project.

Applicable Policy T&D Five-Year Plan; Reliability

2022 Capital Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 722445

Department: 7072 Line Construction
Project Title: PRJ - Westley-Rosemore 230kV Pole Painting Project

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	0
Outside Services	190,000
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	190,000

Project Description	Sandblast and paint 2 steel poles near Westley Substation that were originally part of the original Westley-Walnut, Westley-Parker Lines.
Project Justification	Old paint is no longer protecting the steel poles from the elements, leaving them vulnerable to rust.
Applicable Policy	T&D Five-Year Plan; Reliability

2022 Capital Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 722443

Department: 7072 Line Construction
Project Title: PRJ - Clough-Stockton 69kV Line Re-route

	2022 Adopted Budget
Labor & Benefits	297,021
Materials & Supplies	96,250
Outside Services	20,000
Seminars & Meetings	0
Administrative & General	0
MID Equipment	19,000
Totals	432,271

Project Description	Install 4111 ft. of ACSS conductor as well as 16 pole replacements along the gravel leading into the substation, S Stockton Ave, and E 4th Street and the removal of 2145 ft. of AAC with associated insulators along the original route.
Project Justification	Clough-Stockton is part of a double circuit which is the sole source for Stockton Substation. The entire station needs to be de-energized for work to be done.
Applicable Policy	T&D Five-Year Plan; Reliability

2022 Capital Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 722449

Department: 7082 Substation
Project Title: PRJ - Standiford 115kV Bus and T1 Upgrade

Estimated Amount Required in Future Budget Cycles	9,481,308
Total Project Budget Inception to Completion	13,641,535

	2022 Adopted Budget
Labor & Benefits	160,227
Materials & Supplies	0
Outside Services	4,000,000
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	4,160,227

Project Description	Upgrade Standiford 115kV bus structure bays for B905, B906, B907, B908 and interconnecting bus to 3000A. Upgrade Standiford 115k/69kV Autotransformer 1 to 90MVA base (150MVA) . Upgrade Standiford 69kV bus structure bays for B6653, B6654, and transfer bus to 2000A. Upgrade Standiford 69kV main bus to 3000A.
Project Justification	New generation connecting to the CAISO grid as part of CAISO Cluster 10 is causing overloads on the MID system during a double 230kV PG&E line outage and also for a Standiford T2 outage followed by a Standiford T3 outage. This equipment at Standiford has to be upgraded to prevent being overloaded during these two outage scenarios. The entire project is to be funded by the generation developers of the CAISO Cluster 10 that are causing the overloads.
Applicable Policy	Reliability

2022 Capital Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 722450

Department: 7082 Substation
Project Title: PRJ - Substation Transformer

	2022 Adopted Budget
Labor & Benefits	11,424
Materials & Supplies	954,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	1,000
Totals	966,424

Project Description	Purchase a new 69/12kV, 22.4MVA, substation transformer. This unit will be stored at the Service Center and will be used as a replacement unit for a failed transformer.
Project Justification	MID has a spare strategy where the available spare transformers have been used for the new Codoni substation and to replace failed transformers at Sisk and Briggsmore substations. Without a functioning spare transformer, a failure of a substation transformer will cause reliability concerns since it takes up to 18 months to purchase a replacement transformer.
Applicable Policy	T&D Five-Year Plan, Reliability

2022 Capital Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 722451

Department: 7082 Substation
Project Title: PRJ - Standiford B46 UG Reconductor

	2022 Adopted Budget
Labor & Benefits	168,997
Materials & Supplies	42,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	4,000
Totals	214,997

Project Description	Reconductor the existing Standiford B46 underground substation getaway from 1000 CU to 1100 AL cable. This work will involve installing new 6" conduit and pulling 1100 AL primary cable.
Project Justification	Commercial load growth has caused Prescott B54 to not have a valid feeder offload plan during a feeder contingency. Standiford B46 will be overloaded during a Prescott B54 contingency. The project will allow Prescott B54 to transfer its load to Standiford B46 during a Prescott B54 feeder contingency.
Applicable Policy	T&D Five-Year Plan, Reliability

2022 Capital Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 722452

Department: 7082 Substation
Project Title: PRJ - Kelman Breaker Analyzer

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	19,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	19,000

Project Description Camlin Profile 3 Breaker Analyzer

Project Justification Substation currently uses this to perform annual maintenance on our Substation equipment. The advantage to using the Camlin P3 is it allows us to get a true condition of the breaker, ex; Tripping time and Closing time in between major maintenance intervals. Another advantage to using this equipment is it can provide immediate on-site analysis with easy to read graphs. By using this equipment as often as we do it can aid in prevention of major cost and or damage to equipment and personnel. The department currently has 3 of these units and 2 of them are almost used on a daily basis. The addition of a 4th unit will allow us to eliminate 1 of the units as it has reached its end of life. The addition of this analyzer will keep our department operating productively and efficiently. Lastly, the addition of another unit next year will then keep the department operating efficiently as we will have 3 units that are still considered new by manufacturer's standards.

Applicable Policy Reliability

2022 Capital Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 722453

Department: 7082 Substation
Project Title: PRJ - Micro Ohm Meter

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	8,791
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	8,791

Project Description Micro Ohm Meter

Project Justification This micro ohm meter will allow the Substation Department to safely and efficiently determine the condition of the arc contacts in Sf6, vacuum and oil insulated breakers in the District. It will also give an assessment of connection quality in cable attachments, bus bars and any conductive junctures in electrical installations. Using this piece of test equipment in conjunction with other testing equipment will continue to help us meet maintenance requirements set forth by NERC/FERC and ensure safe, reliable power to serve our customers. We currently have a micro ohm tester but adding this will allow crews to not wait on the existing unit.

Applicable Policy Reliability

2022 Capital Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 722454

Department: 7082 Substation
Project Title: PRJ - Quick Connect Lead Set

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	7,400
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	7,400

Project Description 3 phase transformer testing (SFRA) lead set.

Project Justification This optional lead set will allow Substation to reduce testing time of power transformer SFRA testing. Currently, to complete SFRA testing, electricians have to make many trips up and down the ladder to access and change test leads on the transformer bushing. This lead set will allow the connections to be made one time. This will significantly reduce the time needed for testing and it will reduce risks associated with accidents and falls while climbing the ladder.

Applicable Policy Safety and Reliability

2022 Capital Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 722455

Department: 7082 Substation
Project Title: PRJ - Sf6 Gas Multi Analyzer

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	37,200
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	37,200

Project Description Dilo 3-038R-R303V2 Sf6 Multi-Analyzer

Project Justification Substation uses an Sf6 Analyzer to perform Annual Gas Analysis. The advantage to using this analyzer is that it allows us to perform the analysis at operating pressure, resulting in the highest accuracy to ensure our equipment meets manufacturer limits. This multi-analyzer allows us to perform different methods of operation for emission free handling of the gas. We currently own a unit similar to this that we have used since 2012. The addition of this unit will allow us to meet our maintenance schedule set forth by NERC/FERC when the other unit is being serviced or is in use by other crews.

Applicable Policy Reliability

2022 Capital Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 722456

Department: 7082 Substation
Project Title: PRJ - Vanguard Circuit Breaker Analyzer

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	19,200
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	19,200

Project Description Vanguard DigiTMR S2

Project Justification Substation will use this analyzer during our 4,6 & 10 year maintenance cycles. This unit can fully analyze a circuit breaker's performance by testing the contact time, stroke, velocity, over-travel and contact wipe. Contact and motion analysis can be performed for all breaker contact operations. Timing results are recorded and displayed on the LCD screen and can be printed on thermal paper or transferred to a USB for easy data transfer. The advantage to using this equipment is it provides us with an accurate depiction of the health of the breaker. We currently own a similar model and the addition of this tester will continue to allow us to meet maintenance requirements set forth by NERC/FERC and to prevent major cost and/or damage to our equipment.

Applicable Policy Reliability

2022 Capital Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 722457

Department: 7082 Substation
Project Title: PRJ - Voltage Divider

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	90,400
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	90,400

Project Description	Single phase voltage divider for 230 kV nominal voltage and below.
Project Justification	Instrument used to verify/accurately measure actual line voltage of the transmission system to verify VT/CVT/CCVT outputs and SCADA readings. The District currently has no means to measure the actual line voltage with any accuracy appropriate for metering or protection.
Applicable Policy	Safety and Reliability

2022 Capital Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 722458

Department: 7082 Substation
Project Title: PRJ - AutoCAD Document Management System

	2022 Adopted Budget
Labor & Benefits	15,193
Materials & Supplies	0
Outside Services	88,000
Seminars & Meetings	0
Administrative & General	12,000
MID Equipment	0
Totals	115,193

Project Description	Install and implement a new document management system for AutoCAD files.
Project Justification	A document management system for AutoCAD drawings will provide a digital revision history for each drawing. It will provide Engineering with historical data and track progress of current projects as well as projects completed in the past. The document management system will also provide a platform to link project files such as AutoCAD, Word, Excel and PDFs together as a one stop shop approach.
Applicable Policy	T&D Five-Year Plan

2022 Capital Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 7XX124

Department: 7082 Substation
Project Title: PRJ - Substation Improvements

	2022 Adopted Budget
Labor & Benefits	192,101
Materials & Supplies	156,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	6,000
Totals	354,101

Project Description	Improvements to various substation equipment that experience unexpected failures.
Project Justification	Substation equipment throughout the District experience unexpected failures throughout the year that cannot be captured within the planned replacement process, such as circuit breakers, substation batteries, LTC controllers, etc. which must be capitalized.
Applicable Policy	T&D Five-Year Plan, Reliability

2022 Capital Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 7XX143

Department: 7082 Substation
Project Title: PRJ - Ground Grid Improvements

	2022 Adopted Budget
Labor & Benefits	36,516
Materials & Supplies	94,800
Outside Services	20,000
Seminars & Meetings	0
Administrative & General	0
MID Equipment	6,000
Totals	157,316

Project Description	This project will address the recommendation of ground grid evaluation - such as crushed rocks, installation and bonding of ground mat, bonding of fences, providing isolation between MID and non-MID fences, replacement of damaged grounding conductors, use of effective connectors etc.
Project Justification	Ground grids have not been evaluated since they were built. This project will reinforce the effectiveness of the existing ground grids inside the substation. It will help to eliminate any potential hazards for employees and public.
Applicable Policy	T&D Five-Year Plan, Public Safety

2022 Capital Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 720239

Department: 7082 Substation
Project Title: PRJ - Codoni (Beard Tract) Substation-SUB

Approved Budget in Prior Years	8,796,500			
Additional Amount Requested in Current Budget Year	699,000			
Total Project Budget Inception to Completion	9,495,500			
			2022	
			Adopted	
			Budget	
		Labor & Benefits	0	
		Materials & Supplies	0	
		Outside Services	699,000	
		Seminars & Meetings	0	
		Administrative & General	0	
		MID Equipment	0	
		Totals	699,000	

Project Description	Build a new substation containing (1) 69/12kV 12MVA transformer and (1) 12kV 3.6MVAR cap bank.
Project Justification	A new substation is proposed in the Beard Industrial Tract area due to projected large load growth. This load growth will cause station contingency overload issues for both the Claus and Mariposa substations. New industrial customer load has materialized and additional load is projected in the near future. This new substation will address Claus/Mariposa station and feeder contingency issues. The new substation will also supply any new customer load in the area.
Applicable Policy	Reliability, T&D Five Year Plan, Obligation to Serve

2022 Capital Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 722446

Department: 7082 Substation
Project Title: PRJ - Control Building - Sylvan

Estimated Amount Required in Future Budget Cycles	659,951
Total Project Budget Inception to Completion	1,201,308

	2022 Adopted Budget
Labor & Benefits	71,357
Materials & Supplies	385,000
Outside Services	80,000
Seminars & Meetings	0
Administrative & General	0
MID Equipment	5,000
Totals	541,357

Project Description	A new control building will be constructed at Sylvan Substation. It will have prefabricated relay and control panels, battery bank, charger, AC/DC panels, RTU and communications equipment, and associated vaults.
Project Justification	Sylvan Substation has a control building with no space for future expansion or modernization. This causes relay and control equipment to be placed in outdoor cabinets which reduces electric service reliability and limits routine maintenance flexibility at the substation.
Applicable Policy	T&D Five-Year Plan, Reliability

2022 Capital Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 722447

Department: 7082 Substation
Project Title: PRJ - Station Panel Upgrade - Oakdale

	2022 Adopted Budget
Labor & Benefits	98,899
Materials & Supplies	10,400
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	109,299

Project Description	Install 3 new panelboards for Oakdale Substation AC/DC systems. Remove the existing AC/DC panels and re-arrange existing equipment to allow for adequate spacing.
Project Justification	Additional circuit breaker positions are required in both AC and DC panels to continue reliable station operation and maintenance tasks. This will give the Oakdale substation a reliable AC and DC source to avoid tapping off a breaker that is already used and reducing reliability.
Applicable Policy	T&D Five-Year Plan, Reliability

2022 Capital Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 722448

Department: 7082 Substation
Project Title: PRJ - Substation Security - Parker

	2022 Adopted Budget
Labor & Benefits	51,597
Materials & Supplies	86,500
Outside Services	10,000
Seminars & Meetings	0
Administrative & General	0
MID Equipment	3,000
Totals	151,097

Project Description	This project will upgrade security cameras and enhance the existing perimeter security at the Parker substation, which is a Bulk Electric System substation. A new siren with voice command capability will be installed.
Project Justification	Enhancement of the security system is needed to detect and deter intrusion that would lead to theft and damage of MID equipment that could also impact reliability.
Applicable Policy	T&D Five-Year Plan, Reliability

2022 Capital Budget Project Detail

Division: ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION
Project Number: 666012

Department: 7084 Meter/Transformer
Project Title: PRJ - RC-Revenue Meter Equip

	2022 Adopted Budget
Labor & Benefits	106,513
Materials & Supplies	750,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	2,000
Totals	858,513

Project Description	Total capital costs of providing service to new customers. Various accounts are used to capture the costs based on the type of service requested.
Project Justification	The provision of electric service to new residential and business development is an inherent obligation of electric utilities. This is critical to the economic vitality of the communities that MID serves. Materials include meters for new installs and replacements, intertie meters, isolation relays and rotary switches, APs and relays, and SEL equipment for NERC compliance. Expected increase in home building and increase in meter failures as we approach end of life for the meters.
Applicable Policy	MID Business Plan; T&D Five-Year Plan; MID Services Rules; Obligation to serve.

Water Operations

Capital

2022 Capital Budget Division Summary

CAP - WATER OPERATIONS DIVISION

Project	2022 Adopted Budget
7XX114 PRJ - Don Pedro Recreation Agency	146,315
CAP - 8010 CAP - Water Operations	146,315
722459 PRJ - Reservoir Land Purchase	1,800,000
722460 PRJ - Fencing	50,000
7XX115 PRJ - District Pipeline Repl	557,685
7XX116 PRJ - Pump Modernization	578,231
7XX118 PRJ - Infrastructure Modernization	604,462
7XX126 PRJ - SCADA Automation	103,000
7XX137 PRJ - Measuring Gate Calibration	64,291
CAP - 8040 CAP - Irrigation Services	3,757,669
CAP - 80 CAP - WATER OPERATIONS DIVISION	<u><u>3,903,983</u></u>



2022 Capital Budget Project Detail

Division: WATER OPERATIONS DIVISION
Project Number: 7XX114

Department: 8010 Water Operations Department
Project Title: PRJ - Don Pedro Recreation Agency

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	0
Outside Services	146,315
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	146,315

Project Description	MID portion of the capital budget for the Don Pedro Recreation Agency.
Project Justification	Don Pedro Recreation Agency Operating Agreement specifies that MID, Turlock Irrigation District and the City and County of San Francisco share in the operating expenses or capital improvements. MID's share is 15.23%.
Applicable Policy	Don Pedro Recreation Agency Operating Agreement - MID Board Resolution 87-164

2022 Capital Budget Project Detail

Division: WATER OPERATIONS DIVISION
Project Number: 722459

Department: 8040 Irrigation Services
Project Title: PRJ - Reservoir Land Purchase

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	0
Outside Services	1,800,000
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	1,800,000

Project Description Land acquisition for a regulating reservoir. Facility will provide means to improve customer service, reduce mismatches in supply and demand and reduce outflows.

Project Justification Infrastructure improvements is a prudent management tool to efficiently operate and control our conveyance infrastructure.

2022 Capital Budget Project Detail

Division: WATER OPERATIONS DIVISION
Project Number: 722460

Department: 8040 Irrigation Services
Project Title: PRJ - Fencing

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	0
Outside Services	50,000
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	50,000

Project Description Installation of fences between head of lateral 4 and El Vacino

Project Justification Fencing will provide increased security in areas that have recurring public safety concerns due to trespassing and encampments.

2022 Capital Budget Project Detail

Division: WATER OPERATIONS DIVISION
Project Number: 7XX115

Department: 8040 Irrigation Services
Project Title: PRJ - District Pipeline Repl

	2022 Adopted Budget
Labor & Benefits	298,069
Materials & Supplies	254,616
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	5,000
Totals	557,685

Project Description Replacement of aging MID irrigation pipeline conveyance infrastructure.

Project Justification Pipelines must be replaced to ensure proper operation and conveyance of irrigation water.

2022 Capital Budget Project Detail

Division: WATER OPERATIONS DIVISION
Project Number: 7XX116

Department: 8040 Irrigation Services
Project Title: PRJ - Pump Modernization

	2022 Adopted Budget
Labor & Benefits	26,231
Materials & Supplies	55,000
Outside Services	492,000
Seminars & Meetings	0
Administrative & General	0
MID Equipment	5,000
Totals	578,231

Project Description	Pump rehabilitation and modernization generally consistent with recommendations presented in 2007 Wellfield Optimization Project.
Project Justification	Necessary to ensure optimum operational efficiency.

2022 Capital Budget Project Detail

Division: WATER OPERATIONS DIVISION
Project Number: 7XX118

Department: 8040 Irrigation Services
Project Title: PRJ - Infrastructure Modernization

	2022 Adopted Budget
Labor & Benefits	214,462
Materials & Supplies	320,000
Outside Services	65,000
Seminars & Meetings	0
Administrative & General	0
MID Equipment	5,000
Totals	604,462

Project Description	Modernization as determined necessary by Irrigation Field Services and Civil Engineering. Includes \$15,000 for purchase and installation of Sontek device.
Project Justification	Materials & Supplies: Increased to cover costs associated with Tidewater and Miller Lake facilities and infrastructure modernization. Outside Services: Increased costs for contractors to help with Tidewater and Miller Lake projects.

2022 Capital Budget Project Detail

Division: WATER OPERATIONS DIVISION
Project Number: 7XX126

Department: 8040 Irrigation Services
Project Title: PRJ - SCADA Automation

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	51,500
Outside Services	51,500
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	103,000

Project Description	Completion of critical SCADA site upgrades and new installations in accordance with the Comprehensive Water Resources Management Plan.
Project Justification	Consistent with Comprehensive Water Resources Management Plan

2022 Capital Budget Project Detail

Division: WATER OPERATIONS DIVISION
Project Number: 7XX137

Department: 8040 Irrigation Services
Project Title: PRJ - Measuring Gate Calibration

	2022 Adopted Budget
Labor & Benefits	32,464
Materials & Supplies	31,827
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	64,291

Project Description Staff is proposing continued allocation of funds associated with compliance with the water measurement component of SBx7-7. This is only a stop gap measure until a long-term comprehensive compliance plan and funding is approved by the Board.

Project Justification Water Measurement Regulation.

Domestic Water

Capital

2022 Capital Budget Division Summary

CAP - DOMESTIC WATER DIVISION

Project	2022 Adopted Budget
722461 PRJ - Remodel Clerk Reception Desk	10,000
722462 PRJ - Boiler Replacement	25,000
722463 PRJ - Ozone Contactor Valve Rebuilds	20,000
722464 PRJ - Stabilization Basins Valve Rebuilds	25,000
722465 PRJ - Bobcat	60,000
722466 PRJ - Chemical Dosing Pumps	55,000
722467 PRJ - Lime System CIP Retrofit	125,000
722468 PRJ - Laboratory Dishwasher	15,000
722469 PRJ - Bacteriological Incubator	15,000
CAP - 8150 CAP - Modesto Domestic Water	350,000
CAP - 81 CAP - DOMESTIC WATER DIVISION	350,000

2022 Capital Budget Project Detail

Division: DOMESTIC WATER DIVISION
Project Number: 722461

Department: 8150 Modesto Domestic Water
Project Title: PRJ - Remodel Clerk Reception Desk

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	0
Outside Services	10,000
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	10,000

Project Description MRWTP remodel clerk reception desk

Project Justification There are some ergonomic concerns with this desk that could potentially cause a safety concern due to prolonged use.



2022 Capital Budget Project Detail

Division: DOMESTIC WATER DIVISION
Project Number: 722462

Department: 8150 Modesto Domestic Water
Project Title: PRJ - Boiler Replacement

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	0
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	25,000
Totals	25,000

Project Description MRWTP boiler replacement

Project Justification Boiler is approaching 30 years old. Drain pan had to have a patch welded into it due to rust and deterioration.



2022 Capital Budget Project Detail

Division: DOMESTIC WATER DIVISION
Project Number: 722463

Department: 8150 Modesto Domestic Water
Project Title: PRJ - Ozone Contactor Valve Rebuilds

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	0
Outside Services	20,000
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	20,000

Project Description Ozone Contractor valve rebuilds

Project Justification Ozone is corrosive and these valves are rebuilt every 7-10 years.

2022 Capital Budget Project Detail

Division: DOMESTIC WATER DIVISION
Project Number: 722464

Department: 8150 Modesto Domestic Water
Project Title: PRJ - Stabilization Basins Valve Rebuilds

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	0
Outside Services	25,000
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	25,000

Project Description Stabilization basins valve rebuilds

Project Justification Valves will not seal. The older the plant gets, the more we will need to rely on these valves to close properly so we can make entries into basins for maintenance.



2022 Capital Budget Project Detail

Division: DOMESTIC WATER DIVISION
Project Number: 722465

Department: 8150 Modesto Domestic Water
Project Title: PRJ - Bobcat

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	0
Outside Services	60,000
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	60,000

Project Description Bobcat

Project Justification Site maintenance, sludge lagoon clean up, lime lagoon decanting, asphalt sweeping.

2022 Capital Budget Project Detail

Division: DOMESTIC WATER DIVISION
Project Number: 722466

Department: 8150 Modesto Domestic Water
Project Title: PRJ - Chemical Dosing Pumps

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	0
Outside Services	55,000
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	55,000

Project Description MRWTP chemical dosing pumps

Project Justification Various pumps throughout the process need to have redundant systems installed to mitigate risk and downtime. This includes the chlorination pumps, filter aid pumps, backwash pumps and other process dosing pumps.



2022 Capital Budget Project Detail

Division: DOMESTIC WATER DIVISION
Project Number: 722467

Department: 8150 Modesto Domestic Water
Project Title: PRJ - Lime System CIP Retrofit

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	0
Outside Services	125,000
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	125,000

Project Description Lime system CIP retrofit

Project Justification The RDP Tekkem lime slaking system need to be overhauled to include an acid CIP loop to periodically clean and prevent the plugging/fouling of lines, valves and pumps. This will significantly reduce equipment failure/downtime and ensure our corrosion control system is operating as designed per our permit.

2022 Capital Budget Project Detail

Division: DOMESTIC WATER DIVISION
Project Number: 722468

Department: 8150 Modesto Domestic Water
Project Title: PRJ - Laboratory Dishwasher

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	0
Outside Services	15,000
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	15,000

Project Description MRWTP Laboratory dishwasher

Project Justification The Labconco washer is 15 years old and past it's life expectancy. Model is discontinued and replacement parts will be hard to find. Washer is also becoming less reliable suffering multiple failures in the last few years.

2022 Capital Budget Project Detail

Division: DOMESTIC WATER DIVISION
Project Number: 722469

Department: 8150 Modesto Domestic Water
Project Title: PRJ - Bacteriological Incubator

	2022 Adopted Budget
Labor & Benefits	0
Materials & Supplies	0
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	15,000
Totals	15,000

Project Description MRWTP bacteriological incubator

Project Justification Original equipment and past it's life expectancy. Like the washer, replacement parts are becoming scarce. Two units in total and of the same age. Replace one in 2022 and the other in 2023. Regulatory compliance equipment.