

# Modesto Irrigation

## District

### 202**1** Detailed Budget

# **Revenue Summary**

## 2021 Revenue Budget Division Summary

	2019 <u>Actual</u>	2020 <u>Budget</u>	2021 Adopted <u>Budget</u>	2022 Proposed <u>Budget</u>	% Change From Previous <u>Budget</u>
3XX002 PRJ - Electric Wholesale Rev	15,200,072	25,514,581	37,192,739	36,058,024	45.8%
3XX004 PRJ - EI Transmission Rev Retail	1,539,467	0	0	0	N/A
3XX901 PRJ - Electric Operating Revenue	328,121,204	333,599,476	331,139,762	324,193,661	-0.7%
3XX902 PRJ - Environmental Energy Adjustment	18,956,304	18,683,306	18,250,978	18,728,852	-2.3%
3XX904 PRJ - Capital Infrastructure Adjustment	6,860,337	7,104,188	7,013,461	7,025,336	-1.3%
<b>Electric Revenue</b>	<b>370,677,383</b>	<b>384,901,551</b>	<b>393,596,940</b>	<b>386,005,873</b>	<b>2.3%</b>
3XX910 PRJ - Raw Water Operating Revenue	3,857,207	4,179,856	4,242,928	4,667,220	1.5%
3XX911 PRJ - FERC Instream Flow Revenue	1,552,893	1,701,359	1,741,386	1,784,921	2.4%
3XX912 PRJ - Domestic Water Revenue	22,938,169	20,119,371	19,925,719	19,250,468	-1.0%
3XX913 PRJ - Storm Water Revenue	0	1,516,967	1,601,076	1,657,114	5.5%
<b>Water Revenue</b>	<b>28,348,269</b>	<b>27,517,554</b>	<b>27,511,109</b>	<b>27,359,723</b>	<b>0.0%</b>
3XX920 PRJ - Customer Services Fees Rev	1,900,357	1,400,000	1,400,000	1,400,000	0.0%
3XX921 PRJ - Don Pedro Rec Agency Revenue	419,580	332,764	413,307	413,307	24.2%
3XX922 PRJ - DW Admin Fees Revenue	2,367,291	3,266,890	3,348,252	3,493,133	2.5%
3XX923 PRJ - Facilities Charge	701,844	660,000	670,000	680,000	1.5%
3XX924 PRJ - Fiber Optic Revenue	173,648	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	7,299,383	5,500,000	5,800,000	5,800,000	5.5%
3XX928 PRJ - Late Penalties	2,025,514	2,750,000	2,775,000	2,775,000	0.9%
3XX929 PRJ - Misc. Cost Recovery	73,192	20,500	21,000	22,000	2.4%
3XX930 PRJ - Misc. Operating Income	425,979	610,000	620,000	630,000	1.6%
3XX931 PRJ - Other Entities Admin Fees Revenue	527,593	845,000	850,000	850,000	0.6%
3XX932 PRJ - Rental of District Property	799,760	1,000,000	1,000,000	1,000,000	0.0%
3XX933 PRJ - Retirement Fund Revenue	822,939	835,000	840,000	840,000	0.6%
3XX934 PRJ - Revenue-Aid to Construction	4,134,415	1,550,000	1,600,000	1,650,000	3.2%
3XX935 PRJ - Warehouse Sales	109,042	150,000	150,000	150,000	0.0%
3XX936 PRJ - WBO Income	1,998,893	1,375,000	1,375,000	1,375,000	0.0%
<b>Rev - Other Revenues</b>	<b>23,779,432</b>	<b>20,517,954</b>	<b>21,085,359</b>	<b>21,301,239</b>	<b>2.8%</b>
<b>Alternate Revenue</b>	<b><u>\$422,805,085</u></b>	<b><u>\$432,937,059</u></b>	<b><u>\$442,193,408</u></b>	<b><u>\$434,666,835</u></b>	<b>2.1%</b>

# **O&M Summary**



## 2021 O&M Budget Division Summary District OM

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	From Previous Budget
3XX500 PRJ - Board of Directors	246,945	286,440	254,220	288,680	-11.2%
3XX501 PRJ - Board Secretary Office	310,177	449,062	459,542	476,286	2.3%
3XX510 PRJ - Legal Counsel	1,518,663	1,745,000	1,745,000	1,745,000	0.0%
3XX511 PRJ - Legal Claims	477,070	1,050,000	1,050,000	1,050,000	0.0%
3XX512 PRJ - MID Water Rights	0	250,000	250,000	250,000	0.0%
<b>OM - 10 OM - BOARD OF DIRECTORS DIVISION</b>	<b>2,552,854</b>	<b>3,780,502</b>	<b>3,758,762</b>	<b>3,809,966</b>	<b>-0.6%</b>
3XX520 PRJ - General Manager	811,588	787,104	805,391	836,448	2.3%
3XX521 PRJ - Regulatory Administration	906,342	1,042,447	1,123,277	1,162,760	7.8%
3XX522 PRJ - District Seminar & Meetings	0	236,000	236,000	236,000	0.0%
3XX531 PRJ - Public Affairs	717,892	948,258	918,528	936,472	-3.1%
3XX532 PRJ - Public Inform-Canal Safety	188,650	282,000	225,000	225,000	-20.2%
3XX533 PRJ - Public Inform-Elect Safety	144,860	198,600	190,650	195,700	-4.0%
3XX534 PRJ - Community Service	37,406	40,000	40,000	40,000	0.0%
<b>OM - 20 OM - GENERAL MANAGER DIVISION</b>	<b>2,806,738</b>	<b>3,534,410</b>	<b>3,538,847</b>	<b>3,632,381</b>	<b>0.1%</b>
3XX550 PRJ - Human Resources	682,502	863,742	881,388	914,754	2.0%
3XX552 PRJ - Training	396,840	477,344	489,804	508,228	2.6%
3XX560 PRJ - Recruitments	426,312	556,691	621,323	644,089	11.6%
3XX561 PRJ - Employee Programs	78,414	149,870	153,985	158,545	2.7%
3XX553 PRJ - Retirement Administration	353,725	455,180	458,217	474,621	0.7%
<b>OM - 24 OM - HUMAN RESOURCES DIVISION</b>	<b>1,937,792</b>	<b>2,502,828</b>	<b>2,604,717</b>	<b>2,700,237</b>	<b>4.1%</b>
3XX650 PRJ - IT Administration	5,490,909	7,058,852	7,278,596	7,480,468	3.1%
3XX655 PRJ - IT Systems Support	1,429,502	1,948,095	1,992,782	2,071,473	2.3%
3XX660 PRJ - IT Applications Business Support	1,495,992	1,544,275	1,579,675	1,642,053	2.3%
3XX661 PRJ - IT Applications Operations Support	1,114,663	1,228,638	1,256,897	1,306,529	2.3%
3XX665 PRJ - Technical Operations	1,159,421	1,385,935	1,418,042	1,471,742	2.3%
3XX656 PRJ - Network/Desktop Support	514,037	575,211	588,457	611,694	2.3%
3XX667 PRJ - IT Security	647,273	903,078	923,750	960,227	2.3%

## 2021 O&M Budget Division Summary District OM

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	From Previous Budget
<b>OM - 40 OM - INFORMATION TECHNOLOGY DIVISION</b>	<b>11,851,798</b>	<b>14,644,084</b>	<b>15,038,200</b>	<b>15,544,186</b>	<b>2.7%</b>
3XX700 PRJ - Finance Admin	587,527	268,292	260,822	270,649	-2.8%
3XX710 PRJ - Treasurer	309,644	522,384	368,084	377,105	-29.5%
3XX711 PRJ - Financing Related Expense	45,889	135,000	140,000	145,000	3.7%
3XX715 PRJ - Retirement Investment Expense	664,566	1,055,000	1,100,000	1,150,000	4.3%
3XX702 PRJ - Pricing/Risk Management	503,945	673,359	688,481	714,449	2.2%
3XX755 PRJ - Safety Admin	288,756	392,176	401,213	416,363	2.3%
3XX756 PRJ - Safety	457,449	733,757	675,640	700,094	-7.9%
3XX720 PRJ - Controller	505,590	622,307	629,038	650,659	1.1%
3XX725 PRJ - Accounting	986,009	1,119,160	1,144,482	1,188,659	2.3%
3XX730 PRJ - Customer Services Admin	420,802	719,699	738,388	765,631	2.6%
3XX735 PRJ - Billing	1,909,617	2,464,505	2,353,252	2,403,299	-4.5%
3XX740 PRJ - Call Center	1,853,940	2,123,868	2,176,296	2,261,053	2.5%
3XX750 PRJ - Cash Accounting	1,885,184	2,143,511	2,174,001	2,225,229	1.4%
3XX775 PRJ - Risk & Property	912,890	1,059,489	1,085,976	1,124,963	2.5%
3XX777 PRJ - Environmental	412,230	532,414	547,038	578,407	2.7%
3XX780 PRJ - Building Services	1,707,882	2,147,753	2,248,451	2,321,473	4.7%
3XX785 PRJ - Purchasing	727,507	731,510	746,822	775,730	2.1%
3XX786 PRJ - Materials Handling	800,509	881,955	885,659	921,876	0.4%
3XX998 PRJ - Equipment Clearing	-1,354,936	-3,089,942	-3,231,116	-3,366,132	4.6%
3XX790 PRJ - Fleet Maintenance	683,410	774,612	812,986	836,223	5.0%
3XX791 PRJ - Vehicles & Equipment	1,574,906	2,315,329	2,418,130	2,529,909	4.4%
3XX760 PRJ - Energy Services	1,499,478	2,106,996	2,148,995	2,213,847	2.0%
3XX763 PRJ - Energy Management	1,965,243	3,525,202	3,803,674	3,558,687	7.9%
3XX764 PRJ - Solar Photovoltaic PBI	2,182,264	1,000,000	500,000	150,000	-50.0%
<b>OM - 50 OM - FINANCE DIVISION</b>	<b>21,530,303</b>	<b>24,958,336</b>	<b>24,816,312</b>	<b>24,913,173</b>	<b>-0.6%</b>
3XX954 PRJ - Claims/Other Write Offs	493,049	611,100	621,100	631,100	1.6%
3XX958 PRJ - Don Pedro Rec Agency Expense	456,465	560,343	626,652	645,452	11.8%

## 2021 O&M Budget Division Summary District OM

	2019	2020	2021 Adopted	2022 Proposed	% Change From Previous
	Actual	Budget	Budget	Budget	Budget
3XX959 PRJ - Electric Retail Write Offs	282,615	2,300,000	2,300,000	2,300,000	0.0%
3XX960 PRJ - Insurance	1,597,081	1,962,446	2,195,331	2,545,486	11.9%
3XX966 PRJ - Permission and Municipal Fees	533,659	600,000	600,000	600,000	0.0%
3XX967 PRJ - Retiree Medical Expense	8,553,311	10,455,961	10,175,413	10,306,552	-2.7%
3XX968 PRJ - Warehouse Sales Cost	42,533	5,000	5,000	5,000	0.0%
3XX969 PRJ - WBO Costs	1,511,470	1,375,000	1,375,000	1,375,000	0.0%
<b>OM - 58 OM - OTHER EXPENSES DIVISION</b>	<b>13,470,182</b>	<b>17,869,850</b>	<b>17,898,496</b>	<b>18,408,590</b>	<b>0.2%</b>
3XX100 PRJ - Electric Resources Admin	1,471,958	3,363,787	1,914,416	1,530,111	-43.1%
3XX110 PRJ - Electric Resources/Planning	3,214,604	3,958,720	3,651,568	3,796,276	-7.8%
3XX130 PRJ - Operations Admin	997,328	1,638,834	1,512,674	1,543,480	-7.7%
3XX140 PRJ - Power Scheduling	3,152,062	3,786,777	3,873,819	3,511,889	2.3%
3XX135 PRJ - Control Center Dispatching	3,275,454	3,805,996	3,900,054	4,037,985	2.5%
<b>OM - 60 OM - ELECTRIC RESOURCES DIVISION</b>	<b>12,111,405</b>	<b>16,554,114</b>	<b>14,852,532</b>	<b>14,419,741</b>	<b>-10.3%</b>
3XX200 PRJ - Transmission & Dist Admin	819,680	110,816	117,239	80,636	5.8%
3XX210 PRJ - General Engineering	834,751	1,008,784	1,026,636	1,050,371	1.8%
3XX211 PRJ - Trans/Dist Planning	615,955	601,925	624,442	648,819	3.7%
3XX212 PRJ - Trans/Dist Engineering	517,677	550,291	502,114	521,494	-8.8%
3XX213 PRJ - Substation Engineering	640,969	576,977	585,815	608,736	1.5%
3XX214 PRJ - Mapping/Records	544,015	818,001	831,063	863,603	1.6%
3XX220 PRJ - Trouble General Maintenance	2,104,254	2,324,458	2,448,714	2,471,505	5.3%
3XX221 PRJ - Turn-on/Turn-off	11,866	20,393	20,913	21,539	2.5%
3XX222 PRJ - Street Lighting	59,991	86,369	98,597	101,601	14.2%
3XX223 PRJ - Vegetation Management	2,198,892	3,239,167	3,765,517	3,877,383	16.2%
3XX224 PRJ - Trouble Administration	396,634	487,951	493,843	508,923	1.2%
3XX225 PRJ - Inspections	475,614	539,350	552,382	573,358	2.4%
3XX280 PRJ - Line Construction Admin	1,391,828	1,524,623	1,555,640	1,612,235	2.0%
3XX281 PRJ - LC Overhead Transmission	106,258	204,769	213,106	219,209	4.1%
3XX282 PRJ - LC Overhead Distrib Maint	1,207,447	1,236,213	1,350,836	1,396,482	9.3%

## 2021 O&M Budget Division Summary District OM

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	From Previous Budget
3XX283 PRJ - Line Construction General	963,740	1,319,399	1,253,941	1,294,488	-5.0%
3XX284 PRJ - LC Underground Distribution	1,303,028	1,235,229	1,341,894	1,387,133	8.6%
3XX285 PRJ - Insulating Equipment	24,995	33,500	33,600	33,700	0.3%
3XX250 PRJ - Substation	1,032,308	1,006,921	1,079,158	1,115,438	7.2%
3XX251 PRJ - Transmission Substation	1,813,480	2,175,293	2,362,021	2,468,127	8.6%
3XX252 PRJ - Distribution Substation	2,779,883	3,173,309	2,942,907	3,058,169	-7.3%
3XX253 PRJ - Maintenance of Relays	770,866	944,590	845,040	859,688	-10.5%
3XX254 PRJ - Westley Station	138,430	130,992	154,041	158,188	17.6%
3XX255 PRJ - Westley Station CIP	4,865	0	5,679	5,903	N/A
3XX260 PRJ - Meter Transformer	502,684	535,626	550,133	571,631	2.7%
3XX261 PRJ - Meter Maintenance	1,839,303	2,091,714	2,260,190	2,381,621	8.1%
3XX262 PRJ - Transformer Maintenance	210,951	261,998	276,418	278,822	5.5%
3XX264 PRJ - LM Receiver Maintenance	16,874	20,639	21,338	22,145	3.4%
<b>OM - 70 OM - ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION</b>	<b>23,327,238</b>	<b>26,259,299</b>	<b>27,313,218</b>	<b>28,190,947</b>	<b>4.0%</b>
3XX400 PRJ - Water Operations Admin	497,624	293,811	311,041	323,131	5.9%
3XX401 PRJ - Water Rights	537,747	650,000	650,000	669,500	0.0%
3XX403 PRJ - Irrigation System Improvements	394,261	566,500	583,495	601,000	3.0%
3XX420 PRJ - LaGrange Water System	99,306	500,000	102,285	105,354	-79.5%
3XX410 PRJ - Civil Engineering	913,147	1,072,675	1,097,595	1,140,720	2.3%
3XX411 PRJ - Surveying	389,383	530,672	538,191	559,260	1.4%
3XX412 PRJ - Conservation Improvements	53,197	176,492	251,649	259,688	42.6%
3XX413 PRJ - Water Measurement	33,980	39,271	34,832	36,175	-11.3%
3XX421 PRJ - Water Data & Analysis	110,424	280,804	190,097	197,268	-32.3%
3XX422 PRJ - Ground Water Management	18,306	192,088	201,860	208,816	5.1%
3XX423 PRJ - Don Pedro Watershed	369,777	444,442	416,566	431,044	-6.3%
3XX430 PRJ - Irrigation Admin	466,433	527,315	539,494	560,516	2.3%
3XX440 PRJ - Irrigation Services	1,955,044	2,075,248	2,123,843	2,204,620	2.3%

## 2021 O&M Budget Division Summary District OM

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	From Previous Budget
3XX441 PRJ - La Grange	99,016	70,480	98,857	102,107	40.3%
3XX442 PRJ - Upper Main Canal	183,981	246,134	252,065	261,253	2.4%
3XX443 PRJ - Modesto Reservoir	169,821	208,136	209,393	217,212	0.6%
3XX444 PRJ - Pumps	502,145	726,854	666,563	689,133	-8.3%
3XX450 PRJ - Laterals and Ditches	2,761,646	2,790,734	2,885,881	2,992,584	3.4%
3XX451 PRJ - Gunite	710,400	1,005,710	1,118,782	1,156,876	11.2%
3XX452 PRJ - Irrigation Pipelines	194,838	213,239	241,329	249,770	13.2%
3XX453 PRJ - Structures	66,118	85,212	87,345	90,525	2.5%
3XX454 PRJ - Weed & Moss Control	988,421	1,190,388	1,267,216	1,306,409	6.5%
3XX455 PRJ - Landscaping	226,195	270,289	284,772	295,167	5.4%
<b>OM - 80 OM - WATER OPERATIONS DIVISION</b>	<b>11,741,210</b>	<b>14,156,491</b>	<b>14,153,152</b>	<b>14,658,129</b>	<b>0.0%</b>
3XX470 PRJ - Domestic Water Admin	467,683	795,560	809,953	849,183	1.8%
3XX471 PRJ - Domestic Water A&G	2,636,105	3,266,890	3,358,252	3,503,733	2.8%
3XX472 PRJ - Domestic Water Operations	3,658,141	4,377,825	4,388,175	4,535,305	0.2%
3XX473 PRJ - Domestic Water Laboratory	363,868	516,345	568,364	589,338	10.1%
3XX474 PRJ - Domestic Water Maintenance	2,058,826	3,275,902	2,968,581	3,068,745	-9.4%
<b>OM - 81 OM - DOMESTIC WATER DIVISION</b>	<b>9,184,624</b>	<b>12,232,522</b>	<b>12,093,324</b>	<b>12,546,304</b>	<b>-1.1%</b>
<b>District OM</b>	<b><u>\$109,779,737</u></b>	<b><u>\$136,492,436</u></b>	<b><u>\$136,067,560</u></b>	<b><u>\$138,823,653</u></b>	<b><u>-0.3%</u></b>

# **Power Supply Summary**

## 2021 O&M Budget Division Summary Power Supply

	2019	2020	2021 Adopted	2022 Proposed	% Change From Previous
	Actual	Budget	Budget	Budget	Budget
3XX150 PRJ - Purchase Power	156,197,180	169,215,291	185,598,423	173,545,785	9.7%
3XX151 PRJ - Purchase Power-Hedging	-131,409	0	0	0	N/A
3XX160 PRJ - Generation Admin	764,241	828,428	849,378	880,071	2.5%
3XX165 PRJ - Don Pedro Generation O&M	1,022,244	1,150,000	1,150,000	1,150,000	0.0%
3XX170 PRJ - New Hogan O&M	77,282	119,129	110,645	97,038	-7.1%
3XX171 PRJ - Stone Drop O&M	44,799	45,944	61,442	66,813	33.7%
3XX175 PRJ - McClure O&M	2,100,492	1,121,890	1,071,083	1,083,786	-4.5%
3XX180 PRJ - Woodland Operations	4,131,020	4,469,400	4,398,762	4,531,690	-1.6%
3XX182 PRJ - Woodland Maintenance	4,572,355	6,117,006	11,189,198	4,949,851	82.9%
3XX185 PRJ - Ripon O&M	1,585,362	1,896,852	1,991,685	1,975,431	5.0%
3XX176 PRJ - McClure Fuel Expense	589,614	927,160	774,514	812,247	-16.5%
3XX181 PRJ - Woodland Fuel Expense	16,138,108	19,547,106	16,752,020	15,394,791	-14.3%
3XX186 PRJ - Ripon Fuel Expense	641,824	1,635,194	1,918,667	1,098,310	17.3%
<b>Power Supply</b>	<b><u>\$187,733,111</u></b>	<b><u>\$207,073,401</u></b>	<b><u>\$225,865,817</u></b>	<b><u>\$205,585,813</u></b>	<b>9.1%</b>

# **Capital Summary**



## 2021 Capital Budget Division Summary District Capital

Project	2021 Adopted Budget
720201 PRJ - Cyber Security Compliance Automation	280,000
721301 PRJ - Connect CIS Upgrade	2,000,000
721302 PRJ - E-Business Suite Upgrade	600,000
7XX101 PRJ - Server Hardware/Software	370,000
7XX102 PRJ - Network Hardware/Software	345,000
7XX103 PRJ - Printers/Scanners/Projector	100,000
7XX119 PRJ - Comm Equip Upgrade	150,000
7XX138 PRJ - IT Security Infrastructure	240,000
<b>CAP - 40 CAP - INFORMATION TECHNOLOGY DIVISION</b>	<b>4,085,000</b>
717606 PRJ - Downtown Building Interior Renovation	1,150,000
721303 PRJ - Service Center Fire Sprinkler Head Replacement	25,000
721304 PRJ - Lighting at Service Center Main Entry	20,000
721305 PRJ - Barrier Gates at Service Center Main Entry	83,000
721306 PRJ - Replace Fleet Shop In-Ground Hoists	400,000
721307 PRJ - Replace Vehicle 013	160,000
721308 PRJ - Replace Vehicle 017	150,000
721309 PRJ - Replace Vehicle 024	40,000
721310 PRJ - Replace Vehicle 026	38,000
721311 PRJ - Replace Vehicle 029	38,000
721312 PRJ - Replace Vehicle 056	75,000
721313 PRJ - Replace Vehicle 068	100,000
721314 PRJ - Replace Vehicle 097	160,000
721315 PRJ - Replace Vehicle 103	160,000
721316 PRJ - Replace Unit 114	45,000
721317 PRJ - Replace Vehicle 121	48,000
721318 PRJ - Replace Vehicle 128	38,000
721319 PRJ - Replace Vehicle 161	75,000

## 2021 Capital Budget Division Summary District Capital

Project	2021 Adopted Budget
721320 PRJ - Replace Vehicle 163	38,000
721321 PRJ - 12 Ton Flatbed Trailer 173	22,000
721322 PRJ - Hogg Davis 985 Pulling Device 213	175,000
721323 PRJ - Replace Vehicle 221	38,000
721324 PRJ - Replace Vehicle 223	40,000
721325 PRJ - Replace Vehicle 273	500,000
721326 PRJ - Replace Vehicle 304	30,000
721327 PRJ - Replace Trailer 325	30,000
721328 PRJ - Replace Trailer 329	30,000
721329 PRJ - Replace Vehicle 336	30,000
721330 PRJ - Replace Vehicle 344	70,000
721331 PRJ - Replace Unit 360	70,000
721332 PRJ - PTO Air Compressor for Truck 369	25,000
721333 PRJ - Kubota MX6000 Tractor 376	45,000
721334 PRJ - Replace Vehicle 394	40,000
721335 PRJ - Replace Unit 419	45,000
721336 PRJ - Equipment Trailer 422	35,000
721337 PRJ - Scan Tool for Off Road Equipment	15,400
721338 PRJ - Shotcrete Robotic Arm	73,000
<b>CAP - 50 CAP - FINANCE DIVISION</b>	<b>4,156,400</b>
714331 PRJ - DP Generation Upgrade	3,370,838
714332 PRJ - DP Project Upgrade	3,945,654
720229 PRJ - DP Cavitation Repair	31,090
721339 PRJ - DP Security Cameras	38,164
721340 PRJ - DP Power House Tools	3,406
<b>CAP - 60 CAP - ELECTRIC RESOURCES DIVISION</b>	<b>7,389,152</b>
666001 PRJ - RC-Overhead Services	654,719
666002 PRJ - RC-Underground Services	265,447

## 2021 Capital Budget Division Summary District Capital

Project	2021 Adopted Budget
666003 PRJ - RC-Overhead Pvt Lighting (9000 Lumen)	33,031
666005 PRJ - RC-Transm-Towers/Poles/Fixtures/Cond/Devices	16,090
666006 PRJ - RC-Dist-Towers/Poles/Fixtures/Cond/Devices	1,339,078
666007 PRJ - RC-Underground Conduits/Conductors/Devices	1,510,821
666008 PRJ - RC-Overhead Transformers	1,039,490
666009 PRJ - RC-Underground Transformers	1,810,359
719949 PRJ - 230kV Pole Painting-Joint Section	2,000,000
721341 PRJ - Codoni Distribution Feeders	469,744
721342 PRJ - Motor Operated Switch Replacements	45,062
721343 PRJ - New Roselle Feeder	41,210
721344 PRJ - 15 Ton Battery Press	63,000
7XX106 PRJ - Mountain House Development	881,986
7XX107 PRJ - Mountain House Substructure	936,228
7XX108 PRJ - Pole Relocations	256,898
7XX109 PRJ - Conduit Installations	713,759
7XX111 PRJ - Pole Replace/Restorations	370,507
7XX113 PRJ - Contaminated Transf. Repl.	72,496
7XX123 PRJ - Primary System Improvements	144,802
7XX130 PRJ - OH #6 Copper Replacements	883,474
7XX132 PRJ - UG Cable Installation	390,951
7XX139 PRJ - Cap Bank Refurbishments	350,951
719963 PRJ - Remote Access to Substation Relays RTUs LTCs	333,321
720239 PRJ - Beard Tract Substation-SUB	3,249,031
721345 PRJ - 12kV Relay Replacements - Claus (Construction)	170,843
721346 PRJ - 12kV Relay Replacements - Lincoln (Construction)	126,106
721347 PRJ - 12kV Relay Replacements - Paradise (Construction)	155,029
721348 PRJ - Breaker Failure Protection - Mountain House	100,072
721349 PRJ - Breaker Failure Protection - Parker	36,730

## 2021 Capital Budget Division Summary District Capital

Project	2021 Adopted Budget
721350 PRJ - Breaker Failure Protection - Rosemore	36,730
721351 PRJ - Breaker Failure Protection - Santa Cruz	115,001
721352 PRJ - Breaker Failure Protection - Westley	94,754
721353 PRJ - Geomagnetic Induced Currents Monitor	87,102
721354 PRJ - Mountain House Security	122,542
721355 PRJ - Roselle Feeder Installation	230,809
721356 PRJ - Station Panel Upgrade - Santa Cruz (Construction)	211,201
721357 PRJ - DC Fault Locator	9,000
721358 PRJ - Profile P3 Circuit Breaker Analyzer	19,500
7XX124 PRJ - Substation Improvements	333,122
7XX143 PRJ - Ground Grid Improvements	227,448
666012 PRJ - RC-Revenue Meter Equip	847,051
721359 PRJ - Transformer Shop Equipment Replacements	55,800
<b>CAP - 70 CAP - ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION</b>	<b>20,851,297</b>
7XX114 PRJ - Don Pedro Recreation Agency	229,592
721360 PRJ - La Grange Domestic Water Project Improvements	750,000
7XX115 PRJ - District Pipeline Repl	537,339
7XX116 PRJ - Pump Modernization	560,867
7XX118 PRJ - Overpour Weirs	318,722
7XX125 PRJ - Morton Fill Rehab	75,000
7XX126 PRJ - SCADA Automation	100,000
7XX137 PRJ - Measuring Gate Calibration	62,915
<b>CAP - 80 CAP - WATER OPERATIONS DIVISION</b>	<b>2,634,435</b>
721361 PRJ - New Office Area Carpeting	15,000
721362 PRJ - Boom Lift	100,000
721363 PRJ - Replace Turbimeters	105,000
721364 PRJ - TRPS Air Conditioner	75,000
721365 PRJ - SCADA PC's Server Upgrades	150,000

## 2021 Capital Budget Division Summary District Capital

Project	2021 Adopted Budget
721366 PRJ - Chemical Dose Automation	100,000
721367 PRJ - Filter Basin Replacement	350,000
721368 PRJ - Parker THM Analyzer	50,000
721369 PRJ - Ion Selective Electrode Benchtop Meter	7,000
721370 PRJ - New Flooring	30,000
721371 PRJ - New Faucets	5,000
<b>CAP - 81 CAP - DOMESTIC WATER DIVISION</b>	<b>987,000</b>
<b>District Capital</b>	<b>\$40,103,284</b>

**Board of Directors**

**O&M**

## 2021 O&M Budget Division Summary

### OM - BOARD OF DIRECTORS DIVISION

	2019 <u>Actual</u>	2020 <u>Budget</u>	2021 Adopted <u>Budget</u>	2022 Proposed <u>Budget</u>	% Change Prev. Budget to Current Budget
3XX500 PRJ - Board of Directors	246,945	286,440	254,220	288,680	-11.2%
<b>OM - 1010 OM - Directors</b>	<b>246,945</b>	<b>286,440</b>	<b>254,220</b>	<b>288,680</b>	<b>-11.2%</b>
3XX501 PRJ - Board Secretary Office	310,177	449,062	459,542	476,286	2.3%
<b>OM - 1020 OM - Secretary's Office</b>	<b>310,177</b>	<b>449,062</b>	<b>459,542</b>	<b>476,286</b>	<b>2.3%</b>
3XX510 PRJ - Legal Counsel	1,518,663	1,745,000	1,745,000	1,745,000	0.0%
3XX511 PRJ - Legal Claims	477,070	1,050,000	1,050,000	1,050,000	0.0%
3XX512 PRJ - MID Water Rights	0	250,000	250,000	250,000	0.0%
<b>OM - 1030 OM - General Counsel</b>	<b>1,995,733</b>	<b>3,045,000</b>	<b>3,045,000</b>	<b>3,045,000</b>	<b>0.0%</b>
<b>OM - 10 OM - BOARD OF DIRECTORS DIVISION</b>	<b><u>\$2,552,854</u></b>	<b><u>\$3,780,502</u></b>	<b><u>\$3,758,762</u></b>	<b><u>\$3,809,966</u></b>	<b>-0.6%</b>

## 2021 O&M Budget Project Detail

**Division:** BOARD OF DIRECTORS DIVISION  
**Project Number:** 3XX500

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	118,920	104,940	104,220	105,180	-1%
Materials & Supplies	3,590	3,000	3,000	3,000	0%
Outside Services	48,224	100,000	67,500	100,000	-33%
Seminars & Meetings	66,651	78,000	79,000	80,000	1%
Administrative & General	9,559	500	500	500	0%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>246,944</b>	<b>286,440</b>	<b>254,220</b>	<b>288,680</b>	<b>-11%</b>

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



## 2021 O&M Budget Project Detail

**Division:** BOARD OF DIRECTORS DIVISION  
**Project Number:** 3XX501

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	308,787	462,588	473,267	491,589	2%
Labor Vacancy	0	-17,026	-17,325	-17,903	2%
Materials & Supplies	983	1,700	1,700	1,050	0%
Outside Services	0	0	0	0	0%
Seminars & Meetings	407	950	1,000	1,050	5%
Administrative & General	0	850	900	500	6%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>310,177</b>	<b>449,062</b>	<b>459,542</b>	<b>476,286</b>	<b>2%</b>

## 2021 O&M Budget Project Detail

**Division:** BOARD OF DIRECTORS DIVISION  
**Project Number:** 3XX510

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	103,501	0	0	0	0%
Materials & Supplies	46	5,000	5,000	5,000	0%
Outside Services	1,413,031	1,700,000	1,700,000	1,700,000	0%
Seminars & Meetings	124	5,000	5,000	5,000	0%
Administrative & General	1,961	32,000	32,000	32,000	0%
MID Equipment	0	3,000	3,000	3,000	0%
<b>Totals</b>	<b>1,518,663</b>	<b>1,745,000</b>	<b>1,745,000</b>	<b>1,745,000</b>	<b>0%</b>

**Project Description:** Project consists of labor for the Legal Department.

**Notes:** A&G: Legal publications & subscriptions. Outside Services: reflects addition of SED budget.

## 2021 O&M Budget Project Detail

**Division:** BOARD OF DIRECTORS DIVISION  
**Project Number:** 3XX511

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	0	0	0	0	0%
Materials & Supplies	134	0	0	0	0%
Outside Services	465,936	750,000	750,000	750,000	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	11,000	300,000	300,000	300,000	0%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>477,070</b>	<b>1,050,000</b>	<b>1,050,000</b>	<b>1,050,000</b>	<b>0%</b>

## 2021 O&M Budget Project Detail

**Division:** BOARD OF DIRECTORS DIVISION  
**Project Number:** 3XX512

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

	2019	2020	2021	2022	% 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	0	0	0	0	0%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>0</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>0%</b>

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

**General Manager**

**O&M**

## 2021 O&M Budget Division Summary

### OM - GENERAL MANAGER DIVISION

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Prev. Budget to Current Budget
3XX520 PRJ - General Manager	811,588	787,104	805,391	836,448	2.3%
3XX521 PRJ - Regulatory Administration	906,342	1,042,447	1,123,277	1,162,760	7.8%
3XX522 PRJ - District Seminar & Meetings	0	236,000	236,000	236,000	0.0%
3XX531 PRJ - Public Affairs	717,892	948,258	918,528	936,472	-3.1%
3XX532 PRJ - Public Inform-Canal Safety	188,650	282,000	225,000	225,000	-20.2%
3XX533 PRJ - Public Inform-Elect Safety	144,860	198,600	190,650	195,700	-4.0%
3XX534 PRJ - Community Service	37,406	40,000	40,000	40,000	0.0%
<b>OM - 2010 OM - General Manager</b>	<b>2,806,738</b>	<b>3,534,410</b>	<b>3,538,847</b>	<b>3,632,381</b>	<b>0.1%</b>
<b>OM - 20 OM - GENERAL MANAGER DIVISION</b>	<b>\$2,806,738</b>	<b>\$3,534,410</b>	<b>\$3,538,847</b>	<b>\$3,632,381</b>	<b>0.1%</b>

## 2021 O&M Budget Project Detail

**Division:** GENERAL MANAGER DIVISION  
**Project Number:** 3XX520

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	790,835	833,180	852,513	885,595	2%
Labor Vacancy	0	-51,875	-53,072	-55,146	2%
Materials & Supplies	982	1,750	1,750	1,750	0%
Outside Services	6,491	0	0	0	0%
Seminars & Meetings	5,633	1,550	1,600	1,650	3%
Administrative & General	5,134	0	0	0	0%
MID Equipment	2,514	2,500	2,600	2,600	4%
<b>Totals</b>	<b>811,589</b>	<b>787,105</b>	<b>805,391</b>	<b>836,449</b>	<b>2%</b>

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

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

## 2021 O&M Budget Project Detail

**Division:** GENERAL MANAGER DIVISION  
**Project Number:** 3XX521

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	151,248	459,141	469,725	488,148	2%
Materials & Supplies	99	1,000	1,000	1,000	0%
Outside Services	417,715	255,000	314,000	323,420	23%
Seminars & Meetings	19,263	5,000	5,000	5,000	0%
Administrative & General	316,680	321,306	332,552	344,192	4%
MID Equipment	1,338	1,000	1,000	1,000	0%
<b>Totals</b>	<b>906,343</b>	<b>1,042,447</b>	<b>1,123,277</b>	<b>1,162,760</b>	<b>8%</b>

**Notes:** Outside Services includes lobbyists, for both federal and state, on both energy and water bills; increased budget reflects additional federal and state activity. A&G includes association fees, i.e. APPA, ACWA and CMUA.



## 2021 O&M Budget Project Detail

**Division:** GENERAL MANAGER DIVISION  
**Project Number:** 3XX522

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

	2019	2020	2021	2022	% 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%
<b>Totals</b>	<b>0</b>	<b>236,000</b>	<b>236,000</b>	<b>236,000</b>	<b>0%</b>

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

## 2021 O&M Budget Project Detail

**Division:** GENERAL MANAGER DIVISION  
**Project Number:** 3XX531

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	403,303	436,858	446,828	464,472	2%
Materials & Supplies	2,711	46,300	46,400	46,500	0%
Outside Services	40,820	140,000	100,000	100,000	-29%
Seminars & Meetings	9,965	2,200	2,400	2,600	9%
Administrative & General	261,093	322,900	322,900	322,900	0%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>717,892</b>	<b>948,258</b>	<b>918,528</b>	<b>936,472</b>	<b>-3%</b>

**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.

## 2021 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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	0	0	0	0	0%
Materials & Supplies	0	17,000	5,000	5,000	-71%
Outside Services	22,620	115,000	70,000	70,000	-39%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	166,030	150,000	150,000	150,000	0%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>188,650</b>	<b>282,000</b>	<b>225,000</b>	<b>225,000</b>	<b>-20%</b>

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

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

**Applicable Policy:** MID liability management activities.

## 2021 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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	0	0	0	0	0%
Materials & Supplies	0	600	650	700	8%
Outside Services	0	43,000	30,000	30,000	-30%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	144,860	155,000	160,000	165,000	3%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>144,860</b>	<b>198,600</b>	<b>190,650</b>	<b>195,700</b>	<b>-4%</b>

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

**Notes:** Supports MID liability management activities. Conforms to AEGIS recommendations about utility best practices. Outside Services: update of creative materials occurs every other year.

**Applicable Policy:** MID liability management activities.

## 2021 O&M Budget Project Detail

**Division:** GENERAL MANAGER DIVISION  
**Project Number:** 3XX534

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

	2019	2020	2021	2022	% 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	37,406	40,000	40,000	40,000	0%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>37,406</b>	<b>40,000</b>	<b>40,000</b>	<b>40,000</b>	<b>0%</b>

**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.

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

**Human Resources**

**O&M**

## 2021 O&M Budget Division Summary

### OM - HUMAN RESOURCES DIVISION

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Prev. Budget to Current Budget
3XX550 PRJ - Human Resources	682,502	863,742	881,388	914,754	2.0%
3XX552 PRJ - Training	396,840	477,344	489,804	508,228	2.6%
3XX560 PRJ - Recruitments	426,312	556,691	621,323	644,089	11.6%
3XX561 PRJ - Employee Programs	78,414	149,870	153,985	158,545	2.7%
3XX553 PRJ - Retirement Administration	353,725	455,180	458,217	474,621	0.7%
<b>OM - 2410 OM - Human Resources</b>	<b>1,937,792</b>	<b>2,502,828</b>	<b>2,604,717</b>	<b>2,700,237</b>	<b>4.1%</b>
<b>OM - 24 OM - HUMAN RESOURCES DIVISION</b>	<b>\$1,937,792</b>	<b>\$2,502,828</b>	<b>\$2,604,717</b>	<b>\$2,700,237</b>	<b>4.1%</b>

## 2021 O&M Budget Project Detail

**Division:** HUMAN RESOURCES DIVISION  
**Project Number:** 3XX550

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	653,724	811,194	828,350	860,768	2%
Labor Vacancy	0	-51,591	-54,057	-56,182	5%
Materials & Supplies	2,462	6,420	6,475	6,665	1%
Outside Services	7,460	43,020	44,320	45,643	3%
Seminars & Meetings	1,375	2,200	2,250	2,250	2%
Administrative & General	17,481	52,500	54,050	55,610	3%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>682,502</b>	<b>863,743</b>	<b>881,388</b>	<b>914,754</b>	<b>2%</b>

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

**Notes:** Materials: 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.



## 2021 O&M Budget Project Detail

**Division:** HUMAN RESOURCES DIVISION  
**Project Number:** 3XX552

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	288,037	356,244	365,064	379,480	2%
Materials & Supplies	1,796	2,470	2,490	2,580	1%
Outside Services	102,332	107,690	110,930	114,500	3%
Seminars & Meetings	3,233	8,860	9,190	9,468	4%
Administrative & General	1,442	2,080	2,130	2,200	2%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>396,840</b>	<b>477,344</b>	<b>489,804</b>	<b>508,228</b>	<b>3%</b>

**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 & Mtgs: 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.

## 2021 O&M Budget Project Detail

**Division:** HUMAN RESOURCES DIVISION  
**Project Number:** 3XX560

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	321,978	387,871	449,713	467,429	16%
Materials & Supplies	2,537	3,280	3,360	3,450	2%
Outside Services	64,844	82,500	85,000	87,500	3%
Seminars & Meetings	702	8,440	8,650	8,910	2%
Administrative & General	36,250	74,600	74,600	76,800	0%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>426,311</b>	<b>556,691</b>	<b>621,323</b>	<b>644,089</b>	<b>12%</b>

**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.

## 2021 O&M Budget Project Detail

**Division:** HUMAN RESOURCES DIVISION  
**Project Number:** 3XX561

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	0	0	0	0	0%
Materials & Supplies	17,946	28,970	30,025	31,070	4%
Outside Services	2,840	19,700	21,000	21,600	7%
Seminars & Meetings	2,100	6,550	6,560	6,575	0%
Administrative & General	55,528	94,650	96,400	99,300	2%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>78,414</b>	<b>149,870</b>	<b>153,985</b>	<b>158,545</b>	<b>3%</b>

**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.

## 2021 O&M Budget Project Detail

**Division:** HUMAN RESOURCES DIVISION  
**Project Number:** 3XX553

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	151,020	164,406	158,781	165,051	-3%
Materials & Supplies	0	144	151	155	5%
Outside Services	202,704	287,040	295,550	305,570	3%
Seminars & Meetings	0	2,450	2,575	2,650	5%
Administrative & General	0	1,140	1,160	1,195	2%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>353,724</b>	<b>455,180</b>	<b>458,217</b>	<b>474,621</b>	<b>1%</b>

**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**

## 2021 O&M Budget Division Summary

### OM - INFORMATION TECHNOLOGY DIVISION

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Prev. Budget to Current Budget
3XX650 PRJ - IT Administration	5,490,909	7,058,852	7,278,596	7,480,468	3.1%
<b>OM - 4010 OM - Information Technology</b>	<b>5,490,909</b>	<b>7,058,852</b>	<b>7,278,596</b>	<b>7,480,468</b>	<b>3.1%</b>
3XX655 PRJ - IT Systems Support	1,429,502	1,948,095	1,992,782	2,071,473	2.3%
<b>OM - 4020 OM - I.T. Systems Support</b>	<b>1,429,502</b>	<b>1,948,095</b>	<b>1,992,782</b>	<b>2,071,473</b>	<b>2.3%</b>
3XX660 PRJ - IT Applications Business Support	1,495,992	1,544,275	1,579,675	1,642,053	2.3%
<b>OM - 4030 OM - I.T. Applications Business Support</b>	<b>1,495,992</b>	<b>1,544,275</b>	<b>1,579,675</b>	<b>1,642,053</b>	<b>2.3%</b>
3XX661 PRJ - IT Applications Operations Support	1,114,663	1,228,638	1,256,897	1,306,529	2.3%
<b>OM - 4035 OM - I.T. Applications Operations Support</b>	<b>1,114,663</b>	<b>1,228,638</b>	<b>1,256,897</b>	<b>1,306,529</b>	<b>2.3%</b>
3XX665 PRJ - Technical Operations	1,159,421	1,385,935	1,418,042	1,471,742	2.3%
<b>OM - 4040 OM - I.T. Technical Operations</b>	<b>1,159,421</b>	<b>1,385,935</b>	<b>1,418,042</b>	<b>1,471,742</b>	<b>2.3%</b>
3XX656 PRJ - Network/Desktop Support	514,037	575,211	588,457	611,694	2.3%
<b>OM - 4060 OM - Desktop Support</b>	<b>514,037</b>	<b>575,211</b>	<b>588,457</b>	<b>611,694</b>	<b>2.3%</b>
3XX667 PRJ - IT Security	647,273	903,078	923,750	960,227	2.3%
<b>OM - 4070 OM - Information Security</b>	<b>647,273</b>	<b>903,078</b>	<b>923,750</b>	<b>960,227</b>	<b>2.3%</b>
<b>OM - 40 OM - INFORMATION TECHNOLOGY DIVISION</b>	<b><u><u>\$11,851,798</u></u></b>	<b><u><u>\$14,644,084</u></u></b>	<b><u><u>\$15,038,200</u></u></b>	<b><u><u>\$15,544,186</u></u></b>	<b>2.7%</b>

## 2021 O&M Budget Project Detail

**Division:** INFORMATION TECHNOLOGY DIVISION  
**Project Number:** 3XX650

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	794,771	1,005,132	1,028,231	1,068,472	2%
Labor Vacancy	0	-257,711	-263,635	-273,966	2%
Materials & Supplies	349,809	525,238	539,326	549,918	3%
Outside Services	665,394	638,700	651,474	664,503	2%
Seminars & Meetings	67,265	8,000	8,000	8,000	0%
Administrative & General	3,612,638	5,139,493	5,315,200	5,463,540	3%
MID Equipment	1,033	0	0	0	0%
<b>Totals</b>	<b>5,490,910</b>	<b>7,058,852</b>	<b>7,278,596</b>	<b>7,480,467</b>	<b>3%</b>

**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; Administrative & General 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.

## 2021 O&M Budget Project Detail

**Division:** INFORMATION TECHNOLOGY DIVISION  
**Project Number:** 3XX655

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	1,429,160	1,948,095	1,992,782	2,071,473	2%
Materials & Supplies	195	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	147	0	0	0	0%
<b>Totals</b>	<b>1,429,502</b>	<b>1,948,095</b>	<b>1,992,782</b>	<b>2,071,473</b>	<b>2%</b>

**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.

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



## 2021 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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	1,495,992	1,544,275	1,579,675	1,642,053	2%
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%
<b>Totals</b>	<b>1,495,992</b>	<b>1,544,275</b>	<b>1,579,675</b>	<b>1,642,053</b>	<b>2%</b>

**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.

## 2021 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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	1,114,663	1,228,638	1,256,897	1,306,529	2%
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%
<b>Totals</b>	<b>1,114,663</b>	<b>1,228,638</b>	<b>1,256,897</b>	<b>1,306,529</b>	<b>2%</b>

**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.

## 2021 O&M Budget Project Detail

**Division:** INFORMATION TECHNOLOGY DIVISION  
**Project Number:** 3XX665

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	1,154,366	1,385,935	1,418,042	1,471,742	2%
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	5,055	0	0	0	0%
<b>Totals</b>	<b>1,159,421</b>	<b>1,385,935</b>	<b>1,418,042</b>	<b>1,471,742</b>	<b>2%</b>

**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.

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

## 2021 O&M Budget Project Detail

**Division:** INFORMATION TECHNOLOGY DIVISION  
**Project Number:** 3XX656

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	512,918	575,211	588,457	611,694	2%
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	1,119	0	0	0	0%
<b>Totals</b>	<b>514,037</b>	<b>575,211</b>	<b>588,457</b>	<b>611,694</b>	<b>2%</b>

**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.

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

## 2021 O&M Budget Project Detail

**Division:** INFORMATION TECHNOLOGY DIVISION  
**Project Number:** 3XX667

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	647,257	903,078	923,750	960,227	2%
Materials & Supplies	16	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%
<b>Totals</b>	<b>647,273</b>	<b>903,078</b>	<b>923,750</b>	<b>960,227</b>	<b>2%</b>

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

**Notes:** Information Security staff are 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**

## 2021 O&M Budget Division Summary OM - FINANCE DIVISION

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Prev. Budget to Current Budget
3XX700 PRJ - Finance Admin	587,527	268,292	260,822	270,649	-2.8%
3XX710 PRJ - Treasurer	309,644	522,384	368,084	377,105	-29.5%
3XX711 PRJ - Financing Related Expense	45,889	135,000	140,000	145,000	3.7%
3XX715 PRJ - Retirement Investment Expense	664,566	1,055,000	1,100,000	1,150,000	4.3%
<b>OM - 5010 OM - Finance</b>	<b>1,607,626</b>	<b>1,980,676</b>	<b>1,868,906</b>	<b>1,942,755</b>	<b>-5.6%</b>
3XX702 PRJ - Pricing/Risk Management	503,945	673,359	688,481	714,449	2.2%
<b>OM - 5015 OM - Planning Pricing and Risk</b>	<b>503,945</b>	<b>673,359</b>	<b>688,481</b>	<b>714,449</b>	<b>2.2%</b>
3XX755 PRJ - Safety Admin	288,756	392,176	401,213	416,363	2.3%
3XX756 PRJ - Safety	457,449	733,757	675,640	700,094	-7.9%
<b>OM - 5020 OM - Saftey</b>	<b>746,205</b>	<b>1,125,933</b>	<b>1,076,854</b>	<b>1,116,457</b>	<b>-4.4%</b>
3XX720 PRJ - Controller	505,590	622,307	629,038	650,659	1.1%
3XX725 PRJ - Accounting	986,009	1,119,160	1,144,482	1,188,659	2.3%
<b>OM - 5040 OM - Controller</b>	<b>1,491,600</b>	<b>1,741,467</b>	<b>1,773,521</b>	<b>1,839,318</b>	<b>1.8%</b>
3XX730 PRJ - Customer Services Admin	420,802	719,699	738,388	765,631	2.6%
3XX735 PRJ - Billing	1,909,617	2,464,505	2,353,252	2,403,299	-4.5%
3XX740 PRJ - Call Center	1,853,940	2,123,868	2,176,296	2,261,053	2.5%
3XX750 PRJ - Cash Accounting	1,885,184	2,143,511	2,174,001	2,225,229	1.4%
<b>OM - 5050 OM - Customer Services</b>	<b>6,069,542</b>	<b>7,451,583</b>	<b>7,441,937</b>	<b>7,655,212</b>	<b>-0.1%</b>
3XX775 PRJ - Risk & Property	912,890	1,059,489	1,085,976	1,124,963	2.5%
3XX777 PRJ - Environmental	412,230	532,414	547,038	578,407	2.7%
<b>OM - 5030 OM - General Services</b>	<b>1,325,120</b>	<b>1,591,903</b>	<b>1,633,014</b>	<b>1,703,370</b>	<b>2.6%</b>
3XX780 PRJ - Building Services	1,707,882	2,147,753	2,248,451	2,321,473	4.7%
<b>OM - 5031 OM - Buildings &amp; Grounds</b>	<b>1,707,882</b>	<b>2,147,753</b>	<b>2,248,451</b>	<b>2,321,473</b>	<b>4.7%</b>
3XX785 PRJ - Purchasing	727,507	731,510	746,822	775,730	2.1%
3XX786 PRJ - Materials Handling	800,509	881,955	885,659	921,876	0.4%
<b>OM - 5032 OM - Purchasing &amp; Materials Handling</b>	<b>1,528,017</b>	<b>1,613,465</b>	<b>1,632,480</b>	<b>1,697,606</b>	<b>1.2%</b>

## 2021 O&M Budget Division Summary OM - FINANCE DIVISION

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Prev. Budget to Current Budget
3XX998 PRJ - Equipment Clearing	-1,354,936	-3,089,942	-3,231,116	-3,366,132	4.6%
3XX790 PRJ - Fleet Maintenance	683,410	774,612	812,986	836,223	5.0%
3XX791 PRJ - Vehicles & Equipment	1,574,906	2,315,329	2,418,130	2,529,909	4.4%
<b>OM - 5033 OM - Fleet Maintenance</b>	<b>903,380</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-100.0%</b>
3XX760 PRJ - Energy Services	1,499,478	2,106,996	2,148,995	2,213,847	2.0%
3XX763 PRJ - Energy Management	1,965,243	3,525,202	3,803,674	3,558,687	7.9%
3XX764 PRJ - Solar Photovoltaic PBI	2,182,264	1,000,000	500,000	150,000	-50.0%
<b>OM - 5065 OM - Energy Services</b>	<b>5,646,986</b>	<b>6,632,199</b>	<b>6,452,669</b>	<b>5,922,534</b>	<b>-2.7%</b>
<b>OM - 50 OM - FINANCE DIVISION</b>	<b>\$21,530,303</b>	<b>\$24,958,336</b>	<b>\$24,816,312</b>	<b>\$24,913,173</b>	<b>-0.6%</b>



## 2021 O&M Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 3XX700

**Department:** 5010 Finance  
**Project Title:** PRJ - Finance Admin

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	517,998	536,000	548,401	569,773	2%
Labor Vacancy	0	-493,208	-513,080	-524,624	4%
Materials & Supplies	859	0	0	0	0%
Outside Services	62,897	220,000	220,000	220,000	0%
Seminars & Meetings	3,046	2,500	2,500	2,500	0%
Administrative & General	2,728	3,000	3,000	3,000	0%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>587,528</b>	<b>268,292</b>	<b>260,821</b>	<b>270,649</b>	<b>-3%</b>

**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 GFOA.

## 2021 O&M Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 3XX710

**Department:** 5010 Finance  
**Project Title:** PRJ - Treasurer

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	177,182	163,934	167,684	174,305	2%
Materials & Supplies	0	0	0	0	0%
Outside Services	132,463	358,050	200,000	202,400	-44%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	400	400	400	0%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>309,645</b>	<b>522,384</b>	<b>368,084</b>	<b>377,105</b>	<b>-30%</b>

**Notes:** Outside Services includes PFM asset management for investment advisory services. Reduced to reflect actual spend.

## 2021 O&M Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 3XX711

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

	2019	2020	2021	2022	% 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	45,889	135,000	140,000	145,000	4%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>45,889</b>	<b>135,000</b>	<b>140,000</b>	<b>145,000</b>	<b>4%</b>

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

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

## 2021 O&M Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 3XX715

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

	2019	2020	2021	2022	% 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	664,566	1,055,000	1,100,000	1,150,000	4%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>664,566</b>	<b>1,055,000</b>	<b>1,100,000</b>	<b>1,150,000</b>	<b>4%</b>

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

## 2021 O&M Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 3XX702

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	461,186	627,359	641,752	667,094	2%
Materials & Supplies	0	0	0	0	0%
Outside Services	32,600	42,000	42,500	43,000	1%
Seminars & Meetings	6,054	0	0	0	0%
Administrative & General	4,105	4,000	4,228	4,355	6%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>503,945</b>	<b>673,359</b>	<b>688,480</b>	<b>714,449</b>	<b>2%</b>

**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.

## 2021 O&M Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 3XX755

**Department:** 5020 Safety  
**Project Title:** PRJ - Safety Admin

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	269,499	349,076	357,063	371,163	2%
Materials & Supplies	4,212	2,100	2,150	2,200	2%
Outside Services	8,491	38,000	39,000	40,000	3%
Seminars & Meetings	4,604	1,500	1,500	1,500	0%
Administrative & General	1,949	1,500	1,500	1,500	0%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>288,755</b>	<b>392,176</b>	<b>401,213</b>	<b>416,363</b>	<b>2%</b>

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

## 2021 O&M Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 3XX756

**Department:** 5020 Safety  
**Project Title:** PRJ - Safety

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	349,738	536,842	549,173	570,807	2%
Materials & Supplies	18,610	15,770	16,167	16,527	3%
Outside Services	31,013	119,025	46,830	48,040	-61%
Seminars & Meetings	12,310	5,000	5,100	5,100	2%
Administrative & General	44,788	56,070	57,295	58,520	2%
MID Equipment	991	1,050	1,075	1,100	2%
<b>Totals</b>	<b>457,450</b>	<b>733,757</b>	<b>675,640</b>	<b>700,094</b>	<b>-8%</b>

**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). Decrease in 2021 due to a 2020 Arc Flash Assessment which is performed every 5 years; Seminars & Meetings: training supplies; A&G: online training subscriptions, safety incentive program.

**Applicable Policy:** Memorandum of Understanding; MID Employee Handbook; MID IIPP/Safety Manual; Occupational Safety and Health Administration.

## 2021 O&M Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 3XX720

**Department:** 5040 Controller Department  
**Project Title:** PRJ - Controller

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	243,970	293,507	300,238	312,094	2%
Materials & Supplies	0	0	0	0	0%
Outside Services	261,223	325,500	325,500	335,265	0%
Seminars & Meetings	397	2,200	2,200	2,200	0%
Administrative & General	0	1,100	1,100	1,100	0%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>505,590</b>	<b>622,307</b>	<b>629,038</b>	<b>650,659</b>	<b>1%</b>

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



## 2021 O&M Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 3XX725

**Department:** 5040 Controller Department  
**Project Title:** PRJ - Accounting

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	974,890	1,100,260	1,125,582	1,169,759	2%
Materials & Supplies	8,185	13,000	13,000	13,000	0%
Outside Services	0	0	0	0	0%
Seminars & Meetings	1,683	3,800	3,800	3,800	0%
Administrative & General	1,251	2,100	2,100	2,100	0%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>986,009</b>	<b>1,119,160</b>	<b>1,144,482</b>	<b>1,188,659</b>	<b>2%</b>

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

## 2021 O&M Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 3XX730

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	381,064	668,984	684,374	711,117	2%
Materials & Supplies	3,590	2,701	5,500	5,500	104%
Outside Services	15,756	32,514	32,514	32,514	0%
Seminars & Meetings	9,783	3,000	3,000	3,000	0%
Administrative & General	10,610	12,000	12,500	13,000	4%
MID Equipment	0	500	500	500	0%
<b>Totals</b>	<b>420,803</b>	<b>719,699</b>	<b>738,388</b>	<b>765,631</b>	<b>3%</b>

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

## 2021 O&M Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 3XX735

**Department:** 5050 Customer Services  
**Project Title:** PRJ - Billing

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	981,562	1,255,305	1,284,052	1,334,099	2%
Materials & Supplies	1,885	5,500	5,500	5,500	0%
Outside Services	925,014	1,200,000	1,000,000	1,000,000	-17%
Seminars & Meetings	0	100	100	100	0%
Administrative & General	1,155	3,600	63,600	63,600	1,667%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>1,909,616</b>	<b>2,464,505</b>	<b>2,353,252</b>	<b>2,403,299</b>	<b>-5%</b>

**Notes:** Outside Services: Infosend; 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.

## 2021 O&M Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 3XX740

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	1,849,187	2,118,104	2,166,608	2,251,365	2%
Materials & Supplies	3,096	1,576	5,500	5,500	249%
Outside Services	451	2,400	2,400	2,400	0%
Seminars & Meetings	905	100	100	100	0%
Administrative & General	300	1,688	1,688	1,688	0%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>1,853,939</b>	<b>2,123,868</b>	<b>2,176,296</b>	<b>2,261,053</b>	<b>2%</b>

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

## 2021 O&M Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 3XX750

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	1,237,417	1,332,283	1,362,773	1,414,001	2%
Materials & Supplies	3,959	5,500	5,500	5,500	0%
Outside Services	643,331	800,000	800,000	800,000	0%
Seminars & Meetings	0	100	100	100	0%
Administrative & General	476	3,377	3,377	3,377	0%
MID Equipment	0	2,251	2,251	2,251	0%
<b>Totals</b>	<b>1,885,183</b>	<b>2,143,511</b>	<b>2,174,001</b>	<b>2,225,229</b>	<b>1%</b>

**Notes:** Materials & Supplies: Cashiering Station Supplies, Remittance Supplies; Outside Services: Opex Mail Opener, Cash Courier, US Payments & Ebilling fees; A&G: phone for Cash Accounting Supervisor.

## 2021 O&M Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 3XX775

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	668,932	774,009	792,056	822,350	2%
Materials & Supplies	1,512	2,000	2,000	2,000	0%
Outside Services	238,211	281,330	289,770	298,463	3%
Seminars & Meetings	1,040	1,300	1,300	1,300	0%
Administrative & General	3,195	850	850	850	0%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>912,890</b>	<b>1,059,489</b>	<b>1,085,976</b>	<b>1,124,963</b>	<b>2%</b>

**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.

## 2021 O&M Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 3XX777

**Department:** 5030 General Services  
**Project Title:** PRJ - Environmental

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	115,170	377,395	386,054	401,216	2%
Materials & Supplies	2,093	7,600	7,800	8,000	3%
Outside Services	249,848	115,932	121,155	136,785	5%
Seminars & Meetings	327	2,420	2,490	2,490	3%
Administrative & General	43,937	27,767	28,139	28,516	1%
MID Equipment	856	1,300	1,400	1,400	8%
<b>Totals</b>	<b>412,231</b>	<b>532,414</b>	<b>547,038</b>	<b>578,407</b>	<b>3%</b>

**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.

## 2021 O&M Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 3XX780

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	581,521	672,098	687,536	714,392	2%
Materials & Supplies	191,680	392,255	402,694	415,522	3%
Outside Services	479,186	438,800	493,562	508,368	12%
Seminars & Meetings	0	600	600	600	0%
Administrative & General	442,561	612,000	631,060	648,591	3%
MID Equipment	12,934	32,000	33,000	34,000	3%
<b>Totals</b>	<b>1,707,882</b>	<b>2,147,753</b>	<b>2,248,452</b>	<b>2,321,473</b>	<b>5%</b>

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



## 2021 O&M Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 3XX785

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	720,753	725,012	739,998	768,635	2%
Materials & Supplies	1,667	4,519	4,740	4,911	5%
Outside Services	0	0	0	0	0%
Seminars & Meetings	1,235	661	694	725	5%
Administrative & General	3,851	1,318	1,390	1,459	5%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>727,506</b>	<b>731,510</b>	<b>746,822</b>	<b>775,730</b>	<b>2%</b>

**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.

## 2021 O&M Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 3XX786

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	718,466	766,638	782,697	814,104	2%
Materials & Supplies	53,328	68,748	72,179	75,773	5%
Outside Services	12,940	15,515	16,289	17,102	5%
Seminars & Meetings	2,340	0	0	0	0%
Administrative & General	3,635	4,300	4,400	4,500	2%
MID Equipment	9,800	26,754	10,094	10,397	-62%
<b>Totals</b>	<b>800,509</b>	<b>881,955</b>	<b>885,659</b>	<b>921,876</b>	<b>0%</b>

**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.

## 2021 O&M Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 3XX998

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

	2019	2020	2021	2022	% 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	-1,354,936	-3,089,942	-3,231,116	-3,366,132	5%
<b>Totals</b>	<b>-1,354,936</b>	<b>-3,089,942</b>	<b>-3,231,116</b>	<b>-3,366,132</b>	<b>5%</b>

## 2021 O&M Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 3XX790

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	556,768	569,300	594,342	617,735	4%
Materials & Supplies	42,481	85,440	88,187	91,001	3%
Outside Services	10,219	23,829	24,700	25,595	4%
Seminars & Meetings	2,309	3,075	10,000	3,262	225%
Administrative & General	70,531	88,691	91,352	94,093	3%
MID Equipment	1,101	4,277	4,405	4,537	3%
<b>Totals</b>	<b>683,409</b>	<b>774,612</b>	<b>812,986</b>	<b>836,223</b>	<b>5%</b>

**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 and Meetings to reflect additional out of state welding training and aerial training.

## 2021 O&M Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 3XX791

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	671,104	1,311,176	1,353,810	1,405,117	3%
Materials & Supplies	872,437	967,651	1,026,880	1,086,386	6%
Outside Services	28,817	36,502	37,440	38,406	3%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	1,818	0	0	0	0%
MID Equipment	729	0	0	0	0%
<b>Totals</b>	<b>1,574,905</b>	<b>2,315,329</b>	<b>2,418,130</b>	<b>2,529,909</b>	<b>4%</b>

**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 and Supplies is to account for the large increases we are seeing in fleet related costs from vendors.

## 2021 O&M Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 3XX760

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	1,062,477	1,610,996	1,647,995	1,712,847	2%
Materials & Supplies	2,572	72,000	72,000	72,000	0%
Outside Services	373,627	420,000	425,000	425,000	1%
Seminars & Meetings	6,844	1,000	1,000	1,000	0%
Administrative & General	52,770	3,000	3,000	3,000	0%
MID Equipment	1,188	0	0	0	0%
<b>Totals</b>	<b>1,499,478</b>	<b>2,106,996</b>	<b>2,148,995</b>	<b>2,213,847</b>	<b>2%</b>

**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

## 2021 O&M Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 3XX763

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	905,767	652,002	930,474	685,487	43%
Materials & Supplies	39,237	26,000	26,000	26,000	0%
Outside Services	241,158	93,000	93,000	93,000	0%
Seminars & Meetings	4,681	1,200	1,200	1,200	0%
Administrative & General	770,516	2,750,000	2,750,000	2,750,000	0%
MID Equipment	3,885	3,000	3,000	3,000	0%
<b>Totals</b>	<b>1,965,244</b>	<b>3,525,202</b>	<b>3,803,674</b>	<b>3,558,687</b>	<b>8%</b>

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

**Notes:** Labor & Benefits: Increase in Labor & Benefits reflects succession position for 2021; A&G: energy efficiency rebates based on MID goals. Outside Services: energy efficiency monitoring and verification study contracts.

## 2021 O&M Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 3XX764

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

	2019	2020	2021	2022	% 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	2,182,264	1,000,000	500,000	150,000	-50%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>2,182,264</b>	<b>1,000,000</b>	<b>500,000</b>	<b>150,000</b>	<b>-50%</b>

**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**

## 2021 O&M Budget Division Summary

### OM - OTHER EXPENSES DIVISION

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Prev. Budget to Current Budget
3XX954 PRJ - Claims/Other Write Offs	493,049	611,100	621,100	631,100	1.6%
3XX958 PRJ - Don Pedro Rec Agency Expense	456,465	560,343	626,652	645,452	11.8%
3XX959 PRJ - Electric Retail Write Offs	282,615	2,300,000	2,300,000	2,300,000	0.0%
3XX960 PRJ - Insurance	1,597,081	1,962,446	2,195,331	2,545,486	11.9%
3XX966 PRJ - Permission and Municipal Fees	533,659	600,000	600,000	600,000	0.0%
3XX967 PRJ - Retiree Medical Expense	8,553,311	10,455,961	10,175,413	10,306,552	-2.7%
3XX968 PRJ - Warehouse Sales Cost	42,533	5,000	5,000	5,000	0.0%
3XX969 PRJ - WBO Costs	1,511,470	1,375,000	1,375,000	1,375,000	0.0%
<b>OM - 5800 OM - Other Expense</b>	<b>13,470,182</b>	<b>17,869,850</b>	<b>17,898,496</b>	<b>18,408,590</b>	<b>0.2%</b>
<b>OM - 58 OM - OTHER EXPENSES DIVISION</b>	<b>\$13,470,182</b>	<b>\$17,869,850</b>	<b>\$17,898,496</b>	<b>\$18,408,590</b>	<b>0.2%</b>

## 2021 O&M Budget Project Detail

**Division:** OTHER EXPENSES DIVISION  
**Project Number:** 3XX954

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Income & Expense	0	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	493,049	611,100	621,100	631,100	2%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>493,049</b>	<b>611,100</b>	<b>621,100</b>	<b>631,100</b>	<b>2%</b>

**Project Description:** This project includes miscellaneous costs associated with uninsured incidents i.e. pole accidents, substation theft.

## 2021 O&M Budget Project Detail

**Division:** OTHER EXPENSES DIVISION  
**Project Number:** 3XX958

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

	2019	2020	2021	2022	% 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	456,465	560,343	626,652	645,452	12%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>456,465</b>	<b>560,343</b>	<b>626,652</b>	<b>645,452</b>	<b>12%</b>

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

## 2021 O&M Budget Project Detail

**Division:** OTHER EXPENSES DIVISION  
**Project Number:** 3XX959

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Income & Expense	67,507	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	215,108	2,300,000	2,300,000	2,300,000	0%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>282,615</b>	<b>2,300,000</b>	<b>2,300,000</b>	<b>2,300,000</b>	<b>0%</b>

**Project Description:** Costs associated with uncollectable electric service bills.

## 2021 O&M Budget Project Detail

**Division:** OTHER EXPENSES DIVISION  
**Project Number:** 3XX960

**Department:** 5800 Other Expense  
**Project Title:** PRJ - Insurance

	2019	2020	2021	2022	% 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	355	0	0	0	0%
Administrative & General	1,596,726	1,962,446	2,195,331	2,545,486	12%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>1,597,081</b>	<b>1,962,446</b>	<b>2,195,331</b>	<b>2,545,486</b>	<b>12%</b>

**Project Description:** Insurance costs associated with District Facilities.

## 2021 O&M Budget Project Detail

**Division:** OTHER EXPENSES DIVISION  
**Project Number:** 3XX966

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

	2019	2020	2021	2022	% 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	533,659	600,000	600,000	600,000	0%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>533,659</b>	<b>600,000</b>	<b>600,000</b>	<b>600,000</b>	<b>0%</b>

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

## 2021 O&M Budget Project Detail

**Division:** OTHER EXPENSES DIVISION  
**Project Number:** 3XX967

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

	2019	2020	2021	2022	% 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	8,553,311	10,455,961	10,175,413	10,306,552	-3%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>8,553,311</b>	<b>10,455,961</b>	<b>10,175,413</b>	<b>10,306,552</b>	<b>-3%</b>

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



## 2021 O&M Budget Project Detail

**Division:** OTHER EXPENSES DIVISION  
**Project Number:** 3XX968

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	0	0	0	0	0%
Materials & Supplies	42,533	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%
<b>Totals</b>	<b>42,533</b>	<b>5,000</b>	<b>5,000</b>	<b>5,000</b>	<b>0%</b>

**Project Description:** The costs associated with sales of miscellaneous inventory; Costs are offset by sales revenues.

## 2021 O&M Budget Project Detail

**Division:** OTHER EXPENSES DIVISION  
**Project Number:** 3XX969

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Income & Expense	1,511,470	0	0	0	0%
Labor & Benefits	0	0	0	0	0%
Materials & Supplies	0	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%
<b>Totals</b>	<b>1,511,470</b>	<b>1,375,000</b>	<b>1,375,000</b>	<b>1,375,000</b>	<b>0%</b>

**Project Description:** Work Billed to Others (WBO); WBO costs associated with damaged facilities; items not covered in District Service Rules and other costs that are billed to outside parties.

**Electric Resources**

**O&M**

## 2021 O&M Budget Division Summary

### OM - ELECTRIC RESOURCES DIVISION

	2019 <u>Actual</u>	2020 <u>Budget</u>	2021 Adopted <u>Budget</u>	2022 Proposed <u>Budget</u>	% Change Prev. Budget to Current Budget
3XX100 PRJ - Electric Resources Admin	1,471,958	3,363,787	1,914,416	1,530,111	-43.1%
<b>OM - 6010 OM - Electric Resources</b>	<b>1,471,958</b>	<b>3,363,787</b>	<b>1,914,416</b>	<b>1,530,111</b>	<b>-43.1%</b>
3XX110 PRJ - Electric Resources/Planning	3,214,604	3,958,720	3,651,568	3,796,276	-7.8%
<b>OM - 6020 OM - Resource Planning &amp; Development</b>	<b>3,214,604</b>	<b>3,958,720</b>	<b>3,651,568</b>	<b>3,796,276</b>	<b>-7.8%</b>
3XX130 PRJ - Operations Admin	997,328	1,638,834	1,512,674	1,543,480	-7.7%
<b>OM - 6060 OM - Power Operations</b>	<b>997,328</b>	<b>1,638,834</b>	<b>1,512,674</b>	<b>1,543,480</b>	<b>-7.7%</b>
3XX140 PRJ - Power Scheduling	3,152,062	3,786,777	3,873,819	3,511,889	2.3%
<b>OM - 6062 OM - Power Scheduling</b>	<b>3,152,062</b>	<b>3,786,777</b>	<b>3,873,819</b>	<b>3,511,889</b>	<b>2.3%</b>
3XX135 PRJ - Control Center Dispatching	3,275,454	3,805,996	3,900,054	4,037,985	2.5%
<b>OM - 6064 OM - Dispatching</b>	<b>3,275,454</b>	<b>3,805,996</b>	<b>3,900,054</b>	<b>4,037,985</b>	<b>2.5%</b>
<b>OM - 60 OM - ELECTRIC RESOURCES DIVISION</b>	<b><u><u>\$12,111,405</u></u></b>	<b><u><u>\$16,554,114</u></u></b>	<b><u><u>\$14,852,532</u></u></b>	<b><u><u>\$14,419,741</u></u></b>	<b>-10.3%</b>

## 2021 O&M Budget Project Detail

**Division:** ELECTRIC RESOURCES DIVISION  
**Project Number:** 3XX100

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	947,899	1,047,466	569,627	592,120	-46%
Labor Vacancy	0	-589,078	-580,611	-587,409	-1%
Materials & Supplies	1,014	1,500	1,500	1,500	0%
Outside Services	490,065	2,900,000	1,920,000	1,520,000	-34%
Seminars & Meetings	26,353	0	0	0	0%
Administrative & General	3,875	1,500	1,500	1,500	0%
MID Equipment	2,751	2,400	2,400	2,400	0%
<b>Totals</b>	<b>1,471,957</b>	<b>3,363,788</b>	<b>1,914,416</b>	<b>1,530,111</b>	<b>-43%</b>

**Project Description:** Provide administrative direction and management of Electric Resources for the District.

**Notes:** Labor decrease due to transfer of engineer position to T&D and Senior AGM retirement. Outside Services represent fees for Balancing Authority of Northern California and fees for the CAISO Energy Imbalance Market (EIM); decrease due to bulk of EIM implementation cost being incurred in 2020.

## 2021 O&M Budget Project Detail

**Division:** ELECTRIC RESOURCES DIVISION  
**Project Number:** 3XX110

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	1,351,360	2,329,920	2,146,548	2,231,311	-8%
Materials & Supplies	759	4,500	4,500	4,500	0%
Outside Services	1,829,650	1,450,000	1,325,000	1,378,000	-9%
Seminars & Meetings	15,826	4,500	4,500	4,500	0%
Administrative & General	17,009	169,800	171,020	177,965	1%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>3,214,604</b>	<b>3,958,720</b>	<b>3,651,568</b>	<b>3,796,276</b>	<b>-8%</b>

**Project Description:** Provide support and development of the District long range resource plans, power purchase contracts, and power supply projects; coordinate with the Energy Management Department on integration of supply and demand plans.

**Notes:** 2021 outside services budget is lower due to reduced need for consultant support for NERC auditing activities.

## 2021 O&M Budget Project Detail

**Division:** ELECTRIC RESOURCES DIVISION  
**Project Number:** 3XX130

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	689,584	923,034	944,274	981,280	2%
Materials & Supplies	128	3,400	3,400	3,400	0%
Outside Services	80,963	284,000	234,000	234,000	-18%
Seminars & Meetings	10,467	31,100	31,000	31,000	0%
Administrative & General	214,845	395,100	297,800	291,600	-25%
MID Equipment	1,340	2,200	2,200	2,200	0%
<b>Totals</b>	<b>997,327</b>	<b>1,638,834</b>	<b>1,512,674</b>	<b>1,543,480</b>	<b>-8%</b>

**Project Description:** Provide overall management, supervision and engineering support for the District's electrical system operations and resources.

**Notes:** Outside Services decrease results from reduced need for outside engineering support. A&G decrease mainly due to reduced Reliability Coordinator expenses.

**Applicable Policy:** NERC Standards PER-005-2 Training Requirements Annual Training for CEH's, TOP-002-2 Additional Engineering Requirements, EOP-005 Training Requirements RC Drill.

## 2021 O&M Budget Project Detail

**Division:** ELECTRIC RESOURCES DIVISION  
**Project Number:** 3XX140

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	3,125,472	3,759,577	3,846,419	3,484,189	2%
Materials & Supplies	1,766	5,200	5,200	5,200	0%
Outside Services	1,900	0	0	0	0%
Seminars & Meetings	21,293	21,200	21,400	21,700	1%
Administrative & General	1,631	800	800	800	0%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>3,152,062</b>	<b>3,786,777</b>	<b>3,873,819</b>	<b>3,511,889</b>	<b>2%</b>

**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.



## 2021 O&M Budget Project Detail

**Division:** ELECTRIC RESOURCES DIVISION  
**Project Number:** 3XX135

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	3,183,171	3,693,096	3,779,354	3,920,485	2%
Materials & Supplies	2,358	6,800	10,400	6,900	53%
Outside Services	4,093	2,400	2,400	2,400	0%
Seminars & Meetings	18,960	41,000	40,700	40,900	-1%
Administrative & General	66,871	62,700	67,200	67,300	7%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>3,275,453</b>	<b>3,805,996</b>	<b>3,900,054</b>	<b>4,037,985</b>	<b>2%</b>

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

**Notes:** Materials and Supplies increase due to equipment needed for security monitoring performed by Control Room. 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**

## 2021 O&M Budget Division Summary Power Supply

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Prev. Budget to Current Budget
3XX150 PRJ - Purchase Power	156,197,180	169,215,291	185,598,423	173,545,785	9.7%
<b>PS - Purchase Power</b>	<b>156,197,180</b>	<b>169,215,291</b>	<b>185,598,423</b>	<b>173,545,785</b>	<b>9.7%</b>
3XX151 PRJ - Purchase Power-Hedging	-131,409	0	0	0	N/A
<b>PS - Hedging</b>	<b>-131,409</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
3XX160 PRJ - Generation Admin	764,241	828,428	849,378	880,071	2.5%
3XX165 PRJ - Don Pedro Generation O&M	1,022,244	1,150,000	1,150,000	1,150,000	0.0%
3XX170 PRJ - New Hogan O&M	77,282	119,129	110,645	97,038	-7.1%
3XX171 PRJ - Stone Drop O&M	44,799	45,944	61,442	66,813	33.7%
3XX175 PRJ - McClure O&M	2,100,492	1,121,890	1,071,083	1,083,786	-4.5%
3XX180 PRJ - Woodland Operations	4,131,020	4,469,400	4,398,762	4,531,690	-1.6%
3XX182 PRJ - Woodland Maintenance	4,572,355	6,117,006	11,189,198	4,949,851	82.9%
3XX185 PRJ - Ripon O&M	1,585,362	1,896,852	1,991,685	1,975,431	5.0%
<b>PS - Generation O&amp;M</b>	<b>14,297,795</b>	<b>15,748,650</b>	<b>20,822,193</b>	<b>14,734,680</b>	<b>32.2%</b>
3XX176 PRJ - McClure Fuel Expense	589,614	927,160	774,514	812,247	-16.5%
3XX181 PRJ - Woodland Fuel Expense	16,138,108	19,547,106	16,752,020	15,394,791	-14.3%
3XX186 PRJ - Ripon Fuel Expense	641,824	1,635,194	1,918,667	1,098,310	17.3%
<b>PS - Generation Fuel</b>	<b>17,369,545</b>	<b>22,109,460</b>	<b>19,445,201</b>	<b>17,305,348</b>	<b>-12.1%</b>
<b>Power Supply</b>	<b>\$187,733,111</b>	<b>\$207,073,401</b>	<b>\$225,865,817</b>	<b>\$205,585,813</b>	<b>9.1%</b>

## 2021 O&M Budget Project Detail

**Division:** ELECTRIC RESOURCES DIVISION  
**Project Number:** 3XX150

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Income & Expense	-558,793	0	0	0	0%
Labor & Benefits	0	0	0	0	0%
Materials & Supplies	0	0	0	0	0%
Outside Services	156,755,973	169,215,291	185,598,423	173,545,785	10%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>156,197,180</b>	<b>169,215,291</b>	<b>185,598,423</b>	<b>173,545,785</b>	<b>10%</b>

## 2021 O&M Budget Project Detail

**Division:** ELECTRIC RESOURCES DIVISION  
**Project Number:** 3XX160

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	688,885	759,828	777,278	807,971	2%
Materials & Supplies	4,637	3,000	3,000	3,000	0%
Outside Services	60,305	62,000	62,000	62,000	0%
Seminars & Meetings	5,003	0	0	0	0%
Administrative & General	4,769	1,500	5,000	5,000	233%
MID Equipment	642	2,100	2,100	2,100	0%
<b>Totals</b>	<b>764,241</b>	<b>828,428</b>	<b>849,378</b>	<b>880,071</b>	<b>3%</b>

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

**Notes:** Typical Outside Services include environmental and engineering consulting services. Increased Admin & General to reflect annual subscriptions for EPA and technical services.

## 2021 O&M Budget Project Detail

**Division:** ELECTRIC RESOURCES DIVISION  
**Project Number:** 3XX165

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

	2019	2020	2021	2022	% 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	1,020,433	1,150,000	1,150,000	1,150,000	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	1,811	0	0	0	0%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>1,022,244</b>	<b>1,150,000</b>	<b>1,150,000</b>	<b>1,150,000</b>	<b>0%</b>

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

## 2021 O&M Budget Project Detail

**Division:** ELECTRIC RESOURCES DIVISION  
**Project Number:** 3XX170

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	39,540	46,866	47,950	49,843	2%
Materials & Supplies	8,162	13,434	8,866	8,866	-34%
Outside Services	7,165	30,172	25,172	9,672	-17%
Seminars & Meetings	54	0	0	0	0%
Administrative & General	19,865	25,000	25,000	25,000	0%
MID Equipment	2,498	3,657	3,657	3,657	0%
<b>Totals</b>	<b>77,284</b>	<b>119,129</b>	<b>110,645</b>	<b>97,038</b>	<b>-7%</b>

**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 Services reduced after PLC replacement and Relay testing completed in 2020.

## 2021 O&M Budget Project Detail

**Division:** ELECTRIC RESOURCES DIVISION  
**Project Number:** 3XX171

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	15,170	21,559	22,057	22,928	2%
Materials & Supplies	2,502	2,182	17,182	24,182	687%
Outside Services	24,194	15,000	15,000	12,500	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	2,425	5,910	5,910	5,910	0%
MID Equipment	509	1,293	1,293	1,293	0%
<b>Totals</b>	<b>44,800</b>	<b>45,944</b>	<b>61,442</b>	<b>66,813</b>	<b>34%</b>

**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:** Materials increased for hydraulic cylinder and Pinion gear replacement.



## 2021 O&M Budget Project Detail

**Division:** ELECTRIC RESOURCES DIVISION  
**Project Number:** 3XX175

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	599,469	777,850	796,166	825,369	2%
Materials & Supplies	126,242	100,000	79,185	86,685	-21%
Outside Services	1,285,060	136,040	87,734	63,734	-36%
Seminars & Meetings	303	0	0	0	0%
Administrative & General	88,295	105,000	105,000	105,000	0%
MID Equipment	1,123	3,000	2,998	2,998	0%
<b>Totals</b>	<b>2,100,492</b>	<b>1,121,890</b>	<b>1,071,083</b>	<b>1,083,786</b>	<b>-5%</b>

**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 reduced back to previous actuals before the overhauls in 2018-2020.

## 2021 O&M Budget Project Detail

**Division:** ELECTRIC RESOURCES DIVISION  
**Project Number:** 3XX180

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	2,960,149	2,970,200	3,040,312	3,153,086	2%
Materials & Supplies	783,304	902,000	900,000	927,000	0%
Outside Services	217,256	320,000	204,750	190,293	-36%
Seminars & Meetings	18,213	0	0	0	0%
Administrative & General	152,098	277,200	253,700	261,311	-8%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>4,131,020</b>	<b>4,469,400</b>	<b>4,398,762</b>	<b>4,531,690</b>	<b>-2%</b>

**Project Description:** Provide operation and maintenance for the Woodland Generation Station to maintain reliability of electric supply.

**Notes:** Outside Services reduced back to previous values due to WECC testing completed in 2020.

## 2021 O&M Budget Project Detail

**Division:** ELECTRIC RESOURCES DIVISION  
**Project Number:** 3XX182

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	1,856,405	2,034,068	2,081,383	2,160,660	2%
Materials & Supplies	1,293,374	1,021,160	1,293,400	1,332,202	27%
Outside Services	1,383,402	3,042,778	7,784,265	1,425,934	156%
Seminars & Meetings	12,366	0	0	0	0%
Administrative & General	22,397	14,000	25,000	25,750	79%
MID Equipment	4,410	5,000	5,150	5,305	3%
<b>Totals</b>	<b>4,572,354</b>	<b>6,117,006</b>	<b>11,189,198</b>	<b>4,949,851</b>	<b>83%</b>

**Project Description:** Provide operation and maintenance for the Woodland Generation Station to maintain reliability of electric supply.

**Notes:** Materials and Outside Services Increased for major overhaul on Unit 2 gas turbine.

## 2021 O&M Budget Project Detail

**Division:** ELECTRIC RESOURCES DIVISION  
**Project Number:** 3XX185

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	917,034	1,272,482	1,302,316	1,351,062	2%
Materials & Supplies	136,324	217,000	217,000	217,000	0%
Outside Services	487,443	349,370	414,370	349,370	19%
Seminars & Meetings	6,345	0	0	0	0%
Administrative & General	36,734	55,000	55,000	55,000	0%
MID Equipment	1,481	3,000	2,999	2,999	0%
<b>Totals</b>	<b>1,585,361</b>	<b>1,896,852</b>	<b>1,991,685</b>	<b>1,975,431</b>	<b>5%</b>

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

**Notes:** Outside Services increase for Generator CT/PT and relay testing.

## 2021 O&M Budget Project Detail

**Division:** ELECTRIC RESOURCES DIVISION  
**Project Number:** 3XX176

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	0	0	0	0	0%
Materials & Supplies	589,614	927,160	774,514	812,247	-16%
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%
<b>Totals</b>	<b>589,614</b>	<b>927,160</b>	<b>774,514</b>	<b>812,247</b>	<b>-16%</b>

## 2021 O&M Budget Project Detail

**Division:** ELECTRIC RESOURCES DIVISION  
**Project Number:** 3XX181

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	0	0	0	0	0%
Materials & Supplies	16,138,108	19,547,106	16,752,020	15,394,791	-14%
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%
<b>Totals</b>	<b>16,138,108</b>	<b>19,547,106</b>	<b>16,752,020</b>	<b>15,394,791</b>	<b>-14%</b>

## 2021 O&M Budget Project Detail

**Division:** ELECTRIC RESOURCES DIVISION  
**Project Number:** 3XX186

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	0	0	0	0	0%
Materials & Supplies	641,824	1,635,194	1,918,667	1,098,310	17%
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%
<b>Totals</b>	<b>641,824</b>	<b>1,635,194</b>	<b>1,918,667</b>	<b>1,098,310</b>	<b>17%</b>

# **Transmission & Distribution O&M**



## 2021 O&M Budget Division Summary

### OM - ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION

	2019 Actual	2020 Budget	2021 Adopted Budget	2022 Proposed Budget	% Change Prev. Budget to Current Budget
3XX200 PRJ - Transmission & Dist Admin	819,680	110,816	117,239	80,636	5.8%
<b>OM - 7010 OM - Electric Trans &amp; Dist.</b>	<b>819,680</b>	<b>110,816</b>	<b>117,239</b>	<b>80,636</b>	<b>5.8%</b>
3XX210 PRJ - General Engineering	834,751	1,008,784	1,026,636	1,050,371	1.8%
3XX211 PRJ - Trans/Dist Planning	615,955	601,925	624,442	648,819	3.7%
3XX212 PRJ - Trans/Dist Engineering	517,677	550,291	502,114	521,494	-8.8%
3XX213 PRJ - Substation Engineering	640,969	576,977	585,815	608,736	1.5%
3XX214 PRJ - Mapping/Records	544,015	818,001	831,063	863,603	1.6%
<b>OM - 7020 OM - Electric Engineering</b>	<b>3,153,366</b>	<b>3,555,980</b>	<b>3,570,071</b>	<b>3,693,024</b>	<b>0.4%</b>
3XX220 PRJ - Trouble General Maintenance	2,104,254	2,324,458	2,448,714	2,471,505	5.3%
3XX221 PRJ - Turn-on/Turn-off	11,866	20,393	20,913	21,539	2.5%
3XX222 PRJ - Street Lighting	59,991	86,369	98,597	101,601	14.2%
3XX223 PRJ - Vegetation Management	2,198,892	3,239,167	3,765,517	3,877,383	16.2%
3XX224 PRJ - Trouble Administration	396,634	487,951	493,843	508,923	1.2%
3XX225 PRJ - Inspections	475,614	539,350	552,382	573,358	2.4%
<b>OM - 7052 OM - Trouble</b>	<b>5,247,252</b>	<b>6,697,688</b>	<b>7,379,965</b>	<b>7,554,308</b>	<b>10.2%</b>
3XX280 PRJ - Line Construction Admin	1,391,828	1,524,623	1,555,640	1,612,235	2.0%
3XX281 PRJ - LC Overhead Transmission	106,258	204,769	213,106	219,209	4.1%
3XX282 PRJ - LC Overhead Distrib Maint	1,207,447	1,236,213	1,350,836	1,396,482	9.3%
3XX283 PRJ - Line Construction General	963,740	1,319,399	1,253,941	1,294,488	-5.0%
3XX284 PRJ - LC Underground Distribution	1,303,028	1,235,229	1,341,894	1,387,133	8.6%
3XX285 PRJ - Insulating Equipment	24,995	33,500	33,600	33,700	0.3%
<b>OM - 7072 OM - Line Construction</b>	<b>4,997,297</b>	<b>5,553,733</b>	<b>5,749,017</b>	<b>5,943,247</b>	<b>3.5%</b>
3XX250 PRJ - Substation	1,032,308	1,006,921	1,079,158	1,115,438	7.2%
3XX251 PRJ - Transmission Substation	1,813,480	2,175,293	2,362,021	2,468,127	8.6%
3XX252 PRJ - Distribution Substation	2,779,883	3,173,309	2,942,907	3,058,169	-7.3%
3XX253 PRJ - Maintenance of Relays	770,866	944,590	845,040	859,688	-10.5%

## 2021 O&M Budget Division Summary

### OM - ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Prev. Budget to Current Budget
3XX254 PRJ - Westley Station	138,430	130,992	154,041	158,188	17.6%
3XX255 PRJ - Westley Station CIP	4,865	0	5,679	5,903	N/A
<b>OM - 7082 OM - Substation</b>	<b>6,539,832</b>	<b>7,431,105</b>	<b>7,388,846</b>	<b>7,665,513</b>	<b>-0.6%</b>
3XX260 PRJ - Meter Transformer	502,684	535,626	550,133	571,631	2.7%
3XX261 PRJ - Meter Maintenance	1,839,303	2,091,714	2,260,190	2,381,621	8.1%
3XX262 PRJ - Transformer Maintenance	210,951	261,998	276,418	278,822	5.5%
3XX264 PRJ - LM Receiver Maintenance	16,874	20,639	21,338	22,145	3.4%
<b>OM - 7084 OM - Meter/Transformer</b>	<b>2,569,812</b>	<b>2,909,978</b>	<b>3,108,079</b>	<b>3,254,219</b>	<b>6.8%</b>
<b>OM - 70 OM - ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION</b>	<b>\$23,327,238</b>	<b>\$26,259,299</b>	<b>\$27,313,218</b>	<b>\$28,190,947</b>	<b>4.0%</b>

## 2021 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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	812,163	981,133	1,043,850	1,084,636	6%
Labor Vacancy	0	-876,767	-933,160	-1,010,550	6%
Materials & Supplies	1,452	950	950	950	0%
Outside Services	0	0	0	0	0%
Seminars & Meetings	3,301	3,000	3,000	3,000	0%
Administrative & General	2,539	2,000	2,100	2,100	5%
MID Equipment	226	500	500	500	0%
<b>Totals</b>	<b>819,681</b>	<b>110,816</b>	<b>117,240</b>	<b>80,636</b>	<b>6%</b>

**Project Description:** Electrical engineering, construction, maintenance, and operation of the District's electric transmission and distribution system to provide reliable energy to our customers.

**Notes:** Labor & Benefits: budgeted to the Organization Chart. Materials & Supplies, Outside Services, Seminars & Meetings, and A&G: adjusted based on actual cost and remaining flat overall.

## 2021 O&M Budget Project Detail

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

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	796,189	736,184	753,036	782,771	2%
Materials & Supplies	6,417	11,600	15,600	11,600	34%
Outside Services	0	255,000	250,000	250,000	-2%
Seminars & Meetings	23,775	6,000	6,000	6,000	0%
Administrative & General	8,369	0	2,000	0	2,000%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>834,750</b>	<b>1,008,784</b>	<b>1,026,636</b>	<b>1,050,371</b>	<b>2%</b>

**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: increase for miscellaneous office furniture due to engineering remodel. Outside Services: reduce for off-site storage. Administrative & General: new Company Dues & Memberships for RP3 membership fees.

## 2021 O&M Budget Project Detail

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

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	609,124	601,925	624,442	648,819	4%
Materials & Supplies	0	0	0	0	0%
Outside Services	0	0	0	0	0%
Seminars & Meetings	6,386	0	0	0	0%
Administrative & General	445	0	0	0	0%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>615,955</b>	<b>601,925</b>	<b>624,442</b>	<b>648,819</b>	<b>4%</b>

**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.

**Notes:** Labor & Benefits: some labor moved from 3XX212. Seminars & Meetings: all budget for local training moved to General Engineering 3XX210.

## 2021 O&M Budget Project Detail

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

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	475,163	526,791	478,114	496,994	-9%
Materials & Supplies	3,450	500	500	500	0%
Outside Services	13,013	0	0	0	0%
Seminars & Meetings	3,781	0	0	0	0%
Administrative & General	19,942	20,000	21,000	21,500	5%
MID Equipment	2,327	3,000	2,500	2,500	-17%
<b>Totals</b>	<b>517,676</b>	<b>550,291</b>	<b>502,114</b>	<b>521,494</b>	<b>-9%</b>

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

**Notes:** Labor & Benefits: some labor moved to 3XX211. Administrative & General: annual renewal for online access to IEEE Standards and renewal for ANSI and others. MID Equipment: reduced to more closely reflect actual expenditures.

## 2021 O&M Budget Project Detail

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

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	635,882	575,177	584,015	606,936	2%
Materials & Supplies	28	500	500	500	0%
Outside Services	0	500	500	500	0%
Seminars & Meetings	5,059	0	0	0	0%
Administrative & General	0	300	300	300	0%
MID Equipment	0	500	500	500	0%
<b>Totals</b>	<b>640,969</b>	<b>576,977</b>	<b>585,815</b>	<b>608,736</b>	<b>2%</b>

**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.

## 2021 O&M Budget Project Detail

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

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	538,759	810,001	824,063	856,603	2%
Materials & Supplies	91	0	0	0	0%
Outside Services	0	0	0	0	0%
Seminars & Meetings	67	0	0	0	0%
Administrative & General	4,114	7,000	6,000	6,000	-14%
MID Equipment	983	1,000	1,000	1,000	0%
<b>Totals</b>	<b>544,014</b>	<b>818,001</b>	<b>831,063</b>	<b>863,603</b>	<b>2%</b>

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

**Notes:** Administrative & General: reduced Company Dues & Memberships for NCJPA yearly membership to more closely reflect actual expenditures.



## 2021 O&M Budget Project Detail

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

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	1,646,807	1,856,143	1,901,794	1,965,975	2%
Materials & Supplies	64,252	64,010	130,750	76,800	104%
Outside Services	11,555	14,000	14,500	15,000	4%
Seminars & Meetings	2,412	900	930	960	3%
Administrative & General	10,764	705	740	770	5%
MID Equipment	368,464	388,700	400,000	412,000	3%
<b>Totals</b>	<b>2,104,254</b>	<b>2,324,458</b>	<b>2,448,714</b>	<b>2,471,505</b>	<b>5%</b>

**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:** Material & Supplies: Increased for replacement of fault indicators that have met their life expectancy in the field.

**Applicable Policy:** NERC Standard FAC-003 and MID Operating Bulletins 27 and 42.

## 2021 O&M Budget Project Detail

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

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	9,445	19,143	19,623	20,209	3%
Materials & Supplies	513	250	260	270	4%
Outside Services	0	0	0	0	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	1,908	1,000	1,030	1,060	3%
<b>Totals</b>	<b>11,866</b>	<b>20,393</b>	<b>20,913</b>	<b>21,539</b>	<b>3%</b>

**Project Description:** This account is used for assisting Customer Service with turn on and turn off.

## 2021 O&M Budget Project Detail

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

**Department:** 7052 Trouble  
**Project Title:** PRJ - Street Lighting

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	43,235	50,799	51,997	53,951	2%
Materials & Supplies	3,667	17,900	28,400	28,900	59%
Outside Services	0	0	0	0	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	13,090	17,670	18,200	18,750	3%
<b>Totals</b>	<b>59,992</b>	<b>86,369</b>	<b>98,597</b>	<b>101,601</b>	<b>14%</b>

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

**Notes:** Materials & Supplies: \$10k for advancement from HPS bulbs to LED technology. This is the difference in cost from HPS bulbs (\$10-\$15/ea) to LED bulbs (\$26-\$47/ea) using the average quantity of bulbs used each year.

## 2021 O&M Budget Project Detail

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

**Department:** 7052 Trouble  
**Project Title:** PRJ - Vegetation Management

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	23,375	47,767	48,927	50,588	2%
Materials & Supplies	98	1,400	1,440	1,490	3%
Outside Services	2,169,468	3,185,000	3,710,000	3,820,000	16%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	5,950	5,000	5,150	5,305	3%
<b>Totals</b>	<b>2,198,891</b>	<b>3,239,167</b>	<b>3,765,517</b>	<b>3,877,383</b>	<b>16%</b>

**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: Increase due to CA SB247 and mandated wage increases for line clearance tree trimmers.

**Applicable Policy:** NERC Standard FAC-003 and MID Operating Bulletin 37.

## 2021 O&M Budget Project Detail

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

**Department:** 7052 Trouble  
**Project Title:** PRJ - Trouble Administration

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	389,174	456,736	461,896	481,553	1%
Materials & Supplies	0	18,000	18,000	13,000	0%
Outside Services	4,697	4,530	5,000	5,150	10%
Seminars & Meetings	0	610	630	650	3%
Administrative & General	0	0	0	0	0%
MID Equipment	2,763	8,075	8,317	8,570	3%
<b>Totals</b>	<b>396,634</b>	<b>487,951</b>	<b>493,843</b>	<b>508,923</b>	<b>1%</b>

**Project Description:** This account covers Trouble Department Supervisor and Service Center Rep and FR clothing.

**Notes:** Outside Services: fire retardant clothing increased to reflect contract cost increase.

## 2021 O&M Budget Project Detail

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

**Department:** 7052 Trouble  
**Project Title:** PRJ - Inspections

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	421,906	481,671	493,082	512,268	2%
Materials & Supplies	25,697	30,679	31,500	32,490	3%
Outside Services	0	0	0	0	0%
Seminars & Meetings	36	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	27,975	27,000	27,800	28,600	3%
<b>Totals</b>	<b>475,614</b>	<b>539,350</b>	<b>552,382</b>	<b>573,358</b>	<b>2%</b>

**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.

**Applicable Policy:** CPUC General Order #165 requiring G.O. #95 and #128 compliance inspections of utility facilities on a regular and ongoing basis.

## 2021 O&M Budget Project Detail

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

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	1,270,733	1,432,023	1,466,440	1,522,535	2%
Materials & Supplies	37,246	32,300	31,600	31,900	-2%
Outside Services	33,390	42,100	40,000	40,100	-5%
Seminars & Meetings	18,865	500	500	500	0%
Administrative & General	18,915	2,700	2,100	2,100	-22%
MID Equipment	12,680	15,000	15,000	15,100	0%
<b>Totals</b>	<b>1,391,829</b>	<b>1,524,623</b>	<b>1,555,640</b>	<b>1,612,235</b>	<b>2%</b>

**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:** Materials & Supplies: reduced Safety Equipment Cost and moved to 3XX283. Administrative & General: decrease due to removing future crane certification that has not be used.

## 2021 O&M Budget Project Detail

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

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	79,336	165,019	170,831	176,709	4%
Materials & Supplies	4,255	19,100	19,200	19,300	1%
Outside Services	0	0	0	0	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	16,544	16,650	16,575	16,600	0%
MID Equipment	6,123	4,000	6,500	6,600	63%
<b>Totals</b>	<b>106,258</b>	<b>204,769</b>	<b>213,106</b>	<b>219,209</b>	<b>4%</b>

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

**Notes:** Labor & Benefits: Moved 104 hours from overtime to doubletime. MID Equipment: adjusted closer to actual expenditures.



## 2021 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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	1,096,553	1,091,113	1,205,736	1,249,382	11%
Materials & Supplies	60,593	74,000	75,000	76,000	1%
Outside Services	0	4,000	4,000	4,000	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	1,014	1,100	1,100	1,100	0%
MID Equipment	49,287	66,000	65,000	66,000	-2%
<b>Totals</b>	<b>1,207,447</b>	<b>1,236,213</b>	<b>1,350,836</b>	<b>1,396,482</b>	<b>9%</b>

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

**Notes:** Labor & Benefits: increase in straight time due to maintenance tags and storm related issues. Deducted 300 overtime hours and added 632 double time hours.

## 2021 O&M Budget Project Detail

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

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	728,573	1,054,799	1,010,641	1,049,888	-4%
Materials & Supplies	228,882	252,100	233,200	234,400	-7%
Outside Services	710	5,000	2,500	2,500	-50%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	3,000	3,000	3,000	0%
MID Equipment	5,575	4,500	4,600	4,700	2%
<b>Totals</b>	<b>963,740</b>	<b>1,319,399</b>	<b>1,253,941</b>	<b>1,294,488</b>	<b>-5%</b>

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

**Notes:** No changes on labor from previous budget. Reduced amount in Outside Services, future repairs will be charged to Materials & Supplies.

## 2021 O&M Budget Project Detail

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

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	1,160,581	1,092,029	1,200,594	1,244,633	10%
Materials & Supplies	89,750	84,000	80,000	81,000	-5%
Outside Services	830	4,000	4,000	4,000	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	27,098	27,200	29,300	29,400	8%
MID Equipment	24,769	28,000	28,000	28,100	0%
<b>Totals</b>	<b>1,303,028</b>	<b>1,235,229</b>	<b>1,341,894</b>	<b>1,387,133</b>	<b>9%</b>

**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 & Benefits: increase in straight time, overtime and double time due to amount of USA tags, primary and secondary faults. Materials & Supplies: adjusted and reduced closer to actuals. A&G: USA fees continue to rise annually.

## 2021 O&M Budget Project Detail

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

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	0	0	0	0	0%
Materials & Supplies	10,638	14,000	14,000	14,000	0%
Outside Services	14,357	19,500	19,600	19,700	1%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>24,995</b>	<b>33,500</b>	<b>33,600</b>	<b>33,700</b>	<b>0%</b>

**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:**

## 2021 O&M Budget Project Detail

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

**Department:** 7082 Substation  
**Project Title:** PRJ - Substation

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	699,188	745,472	756,908	786,588	2%
Materials & Supplies	4,403	8,345	8,300	8,300	-1%
Outside Services	24,501	17,200	17,850	17,850	4%
Seminars & Meetings	2,162	800	800	800	0%
Administrative & General	296,003	225,504	285,700	292,300	27%
MID Equipment	6,051	9,600	9,600	9,600	0%
<b>Totals</b>	<b>1,032,308</b>	<b>1,006,921</b>	<b>1,079,158</b>	<b>1,115,438</b>	<b>7%</b>

**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:** A&G: proportional increase to electricity and water due to additional substations: Oregon and Codoni.

## 2021 O&M Budget Project Detail

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

**Department:** 7082 Substation  
**Project Title:** PRJ - Transmission Substation

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	1,197,262	1,568,593	1,754,621	1,860,727	12%
Materials & Supplies	265,208	164,200	164,400	164,400	0%
Outside Services	331,664	420,000	418,500	418,500	0%
Seminars & Meetings	3,850	2,500	2,500	2,500	0%
Administrative & General	54	500	2,000	2,000	300%
MID Equipment	15,441	19,500	20,000	20,000	3%
<b>Totals</b>	<b>1,813,479</b>	<b>2,175,293</b>	<b>2,362,021</b>	<b>2,468,127</b>	<b>9%</b>

**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:** Labor & Benefits: increase due to reallocation of labor. Administrative & General: moved \$1,500 from Outside Services to track homeless camp cleanup.

## 2021 O&M Budget Project Detail

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

**Department:** 7082 Substation  
**Project Title:** PRJ - Distribution Substation

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	1,997,745	2,183,259	1,988,757	2,102,619	-9%
Materials & Supplies	196,397	359,650	322,350	322,350	-10%
Outside Services	560,928	600,000	598,500	598,500	0%
Seminars & Meetings	0	1,500	1,500	1,500	0%
Administrative & General	0	500	2,000	2,000	300%
MID Equipment	24,813	28,400	29,800	31,200	5%
<b>Totals</b>	<b>2,779,883</b>	<b>3,173,309</b>	<b>2,942,907</b>	<b>3,058,169</b>	<b>-7%</b>

**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:** Labor & Benefits: decrease due to reallocation of labor. Material & Supplies: Lowered to be closer to actuals. Administrative & General: moved \$1,500 from Outside Services to track homeless camp cleanup.

## 2021 O&M Budget Project Detail

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

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	701,693	662,890	688,340	712,988	4%
Materials & Supplies	6,399	20,700	20,700	10,700	0%
Outside Services	56,377	250,000	125,000	125,000	-50%
Seminars & Meetings	0	2,500	2,500	2,500	0%
Administrative & General	0	0	0	0	0%
MID Equipment	6,397	8,500	8,500	8,500	0%
<b>Totals</b>	<b>770,866</b>	<b>944,590</b>	<b>845,040</b>	<b>859,688</b>	<b>-11%</b>

**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: Decrease for contract relay testing to align with anticipated needs.



## 2021 O&M Budget Project Detail

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

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	198,680	106,192	114,241	118,388	8%
Materials & Supplies	10,619	10,000	20,000	20,000	100%
Outside Services	-71,004	9,000	9,000	9,000	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	1,800	6,800	6,800	278%
MID Equipment	135	4,000	4,000	4,000	0%
<b>Totals</b>	<b>138,430</b>	<b>130,992</b>	<b>154,041</b>	<b>158,188</b>	<b>18%</b>

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

**Notes:** Materials & Supplies: Increase due to anticipated repairs for the Westley 230kV Pennsylvania Breaker. A&G: Increase for TID billing of Westley electricity consumption.

## 2021 O&M Budget Project Detail

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

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	2,242	0	5,679	5,903	5,679%
Materials & Supplies	0	0	0	0	0%
Outside Services	2,623	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%
<b>Totals</b>	<b>4,865</b>	<b>0</b>	<b>5,679</b>	<b>5,903</b>	<b>5,679%</b>

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

**Notes:** Labor & Benefits: Anticipated labor for Westley related CIP meetings.

## 2021 O&M Budget Project Detail

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

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	493,443	533,176	547,783	569,281	3%
Materials & Supplies	51	1,400	1,300	1,300	-7%
Outside Services	0	0	0	0	0%
Seminars & Meetings	6,793	0	0	0	0%
Administrative & General	1,862	250	250	250	0%
MID Equipment	533	800	800	800	0%
<b>Totals</b>	<b>502,682</b>	<b>535,626</b>	<b>550,133</b>	<b>571,631</b>	<b>3%</b>

**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.

## 2021 O&M Budget Project Detail

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

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	1,754,092	2,014,964	2,168,090	2,288,421	8%
Materials & Supplies	30,326	51,400	51,400	52,500	0%
Outside Services	10,370	9,000	10,500	10,500	17%
Seminars & Meetings	3,779	0	0	0	0%
Administrative & General	15,594	200	200	200	0%
MID Equipment	25,143	16,150	30,000	30,000	86%
<b>Totals</b>	<b>1,839,304</b>	<b>2,091,714</b>	<b>2,260,190</b>	<b>2,381,621</b>	<b>8%</b>

**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:** Labor & Benefits: increased due to slight reallocation of labor. Outside Services: increased to align costs from actual expenditures.

## 2021 O&M Budget Project Detail

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

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	191,264	237,113	243,963	238,597	3%
Materials & Supplies	12,361	19,385	24,655	24,725	27%
Outside Services	7,137	4,500	7,000	7,500	56%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	189	1,000	800	8,000	-20%
<b>Totals</b>	<b>210,951</b>	<b>261,998</b>	<b>276,418</b>	<b>278,822</b>	<b>6%</b>

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

**Notes:** Materials & Supplies: offsite painting of transformers price has increased. Outside Services: increase in lab fees for testing oil in transformers.

## 2021 O&M Budget Project Detail

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

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	16,670	20,139	20,838	21,645	3%
Materials & Supplies	63	300	300	300	0%
Outside Services	0	0	0	0	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	38	0	0	0	0%
MID Equipment	104	200	200	200	0%
<b>Totals</b>	<b>16,875</b>	<b>20,639</b>	<b>21,338</b>	<b>22,145</b>	<b>3%</b>

**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.

**Water Operations**

**O&M**

## 2021 O&M Budget Division Summary

### OM - WATER OPERATIONS DIVISION

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Prev. Budget to Current Budget
3XX400 PRJ - Water Operations Admin	497,624	293,811	311,041	323,131	5.9%
3XX401 PRJ - Water Rights	537,747	650,000	650,000	669,500	0.0%
3XX403 PRJ - Irrigation System Improvements	394,261	566,500	583,495	601,000	3.0%
3XX420 PRJ - LaGrange Water System	99,306	500,000	102,285	105,354	-79.5%
<b>OM - 8010 OM - Water Operations Department</b>	<b>1,528,938</b>	<b>2,010,311</b>	<b>1,646,821</b>	<b>1,698,984</b>	<b>-18.1%</b>
3XX410 PRJ - Civil Engineering	913,147	1,072,675	1,097,595	1,140,720	2.3%
3XX411 PRJ - Surveying	389,383	530,672	538,191	559,260	1.4%
3XX412 PRJ - Conservation Improvements	53,197	176,492	251,649	259,688	42.6%
3XX413 PRJ - Water Measurement	33,980	39,271	34,832	36,175	-11.3%
<b>OM - 8020 OM - Civil Engineering</b>	<b>1,389,706</b>	<b>1,819,109</b>	<b>1,922,267</b>	<b>1,995,843</b>	<b>5.7%</b>
3XX421 PRJ - Water Data & Analysis	110,424	280,804	190,097	197,268	-32.3%
3XX422 PRJ - Ground Water Management	18,306	192,088	201,860	208,816	5.1%
3XX423 PRJ - Don Pedro Watershed	369,777	444,442	416,566	431,044	-6.3%
<b>OM - 8030 OM - Water Resources</b>	<b>498,507</b>	<b>917,334</b>	<b>808,523</b>	<b>837,129</b>	<b>-11.9%</b>
3XX430 PRJ - Irrigation Admin	466,433	527,315	539,494	560,516	2.3%
3XX440 PRJ - Irrigation Services	1,955,044	2,075,248	2,123,843	2,204,620	2.3%
3XX441 PRJ - La Grange	99,016	70,480	98,857	102,107	40.3%
3XX442 PRJ - Upper Main Canal	183,981	246,134	252,065	261,253	2.4%
3XX443 PRJ - Modesto Reservoir	169,821	208,136	209,393	217,212	0.6%
3XX444 PRJ - Pumps	502,145	726,854	666,563	689,133	-8.3%
3XX450 PRJ - Laterals and Ditches	2,761,646	2,790,734	2,885,881	2,992,584	3.4%
3XX451 PRJ - Gunite	710,400	1,005,710	1,118,782	1,156,876	11.2%
3XX452 PRJ - Irrigation Pipelines	194,838	213,239	241,329	249,770	13.2%
3XX453 PRJ - Structures	66,118	85,212	87,345	90,525	2.5%
3XX454 PRJ - Weed & Moss Control	988,421	1,190,388	1,267,216	1,306,409	6.5%
3XX455 PRJ - Landscaping	226,195	270,289	284,772	295,167	5.4%



## 2021 O&M Budget Division Summary

### OM - WATER OPERATIONS DIVISION

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Prev. Budget to Current Budget
<b>OM - 8040 OM - Irrigation Services</b>	<u><b>8,324,059</b></u>	<u><b>9,409,738</b></u>	<u><b>9,775,541</b></u>	<u><b>10,126,172</b></u>	<b>3.9%</b>
<b>OM - 80 OM - WATER OPERATIONS DIVISION</b>	<u><u><b>\$11,741,210</b></u></u>	<u><u><b>\$14,156,491</b></u></u>	<u><u><b>\$14,153,152</b></u></u>	<u><u><b>\$14,658,129</b></u></u>	<b>0.0%</b>

## 2021 O&M Budget Project Detail

**Division:** WATER OPERATIONS DIVISION  
**Project Number:** 3XX400

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	474,772	560,125	572,988	595,614	2%
Labor Vacancy	0	-295,180	-298,947	-310,548	1%
Materials & Supplies	1,317	5,000	5,000	5,105	0%
Outside Services	11,455	5,000	15,000	15,450	200%
Seminars & Meetings	4,306	10,000	10,000	10,300	0%
Administrative & General	1,429	2,500	2,000	2,060	-20%
MID Equipment	4,345	6,365	5,000	5,150	-21%
<b>Totals</b>	<b>497,624</b>	<b>293,810</b>	<b>311,041</b>	<b>323,131</b>	<b>6%</b>

**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. Increase in outside services to align with actual expenses.

## 2021 O&M Budget Project Detail

**Division:** WATER OPERATIONS DIVISION  
**Project Number:** 3XX401

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	1,964	0	0	0	0%
Materials & Supplies	0	0	0	0	0%
Outside Services	414,300	500,000	500,000	515,000	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	121,484	150,000	150,000	154,500	0%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>537,748</b>	<b>650,000</b>	<b>650,000</b>	<b>669,500</b>	<b>0%</b>

**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, SWRCB water rights license fees and San Joaquin Tributaries Authority annual cash call.

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

## 2021 O&M Budget Project Detail

**Division:** WATER OPERATIONS DIVISION  
**Project Number:** 3XX403

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

	2019	2020	2021	2022	% 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	394,261	566,500	583,495	601,000	3%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>394,261</b>	<b>566,500</b>	<b>583,495</b>	<b>601,000</b>	<b>3%</b>

**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 EAP. Generally reflects planning and implementation of Comprehensive Water Resources Management Plan and get ahead engineering.

**Applicable Policy:** System design & operational strategies.

## 2021 O&M Budget Project Detail

**Division:** WATER OPERATIONS DIVISION  
**Project Number:** 3XX420

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

	2019	2020	2021	2022	% 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	99,306	500,000	102,285	105,354	-80%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>99,306</b>	<b>500,000</b>	<b>102,285</b>	<b>105,354</b>	<b>-80%</b>

**Project Description:** La Grange Domestic Water Project

**Notes:** Operation and maintenance of the La Grange Domestic Water Project per agreement with TID.

## 2021 O&M Budget Project Detail

**Division:** WATER OPERATIONS DIVISION  
**Project Number:** 3XX410

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	903,125	1,055,566	1,079,973	1,122,569	2%
Materials & Supplies	2,986	5,092	5,245	5,402	3%
Outside Services	400	0	0	0	0%
Seminars & Meetings	3,746	6,555	6,751	6,954	3%
Administrative & General	1,533	1,638	1,687	1,738	3%
MID Equipment	1,358	3,824	3,939	4,057	3%
<b>Totals</b>	<b>913,148</b>	<b>1,072,675</b>	<b>1,097,595</b>	<b>1,140,720</b>	<b>2%</b>

**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.

## 2021 O&M Budget Project Detail

**Division:** WATER OPERATIONS DIVISION  
**Project Number:** 3XX411

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	375,861	514,645	521,683	542,256	1%
Materials & Supplies	4,628	5,000	5,150	5,305	3%
Outside Services	1,500	3,497	3,602	3,710	3%
Seminars & Meetings	0	1,030	1,061	1,093	3%
Administrative & General	1,298	2,500	2,575	2,652	3%
MID Equipment	6,096	4,000	4,120	4,244	3%
<b>Totals</b>	<b>389,383</b>	<b>530,672</b>	<b>538,191</b>	<b>559,260</b>	<b>1%</b>

**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.

## 2021 O&M Budget Project Detail

**Division:** WATER OPERATIONS DIVISION  
**Project Number:** 3XX412

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	0	26,492	51,649	53,688	95%
Materials & Supplies	0	0	0	0	0%
Outside Services	0	0	0	0	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	53,197	150,000	200,000	206,000	33%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>53,197</b>	<b>176,492</b>	<b>251,649</b>	<b>259,688</b>	<b>43%</b>

**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. Budget increased to meet growing demand for landowner initiated conservation efforts.

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



## 2021 O&M Budget Project Detail

**Division:** WATER OPERATIONS DIVISION  
**Project Number:** 3XX413

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	33,239	32,147	34,532	35,866	7%
Materials & Supplies	232	2,732	0	0	-100%
Outside Services	0	0	0	0	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	492	0	0	-100%
MID Equipment	509	3,900	300	309	-92%
<b>Totals</b>	<b>33,980</b>	<b>39,271</b>	<b>34,832</b>	<b>36,175</b>	<b>-11%</b>

**Project Description:** Canal, drain and stream flow measurement.

**Notes:** Water measurement is a prudent management tool to efficiently operate and control irrigation conveyance infrastructure.

**Applicable Policy:** Under MID's Irrigation Master Plan and applicable Federal, State and Local Regulation.

## 2021 O&M Budget Project Detail

**Division:** WATER OPERATIONS DIVISION  
**Project Number:** 3XX421

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	104,176	241,745	156,281	162,437	-35%
Materials & Supplies	153	21,855	16,000	16,480	-27%
Outside Services	1,800	10,609	10,927	11,255	3%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	2,552	3,395	3,593	3,701	6%
MID Equipment	1,742	3,200	3,296	3,395	3%
<b>Totals</b>	<b>110,423</b>	<b>280,804</b>	<b>190,097</b>	<b>197,268</b>	<b>-32%</b>

**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. Decrease in materials due to purchase of 1 water quality measuring device versus 2 purchased in 2019.

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

## 2021 O&M Budget Project Detail

**Division:** WATER OPERATIONS DIVISION  
**Project Number:** 3XX422

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	2,868	88,288	94,946	98,695	8%
Materials & Supplies	63	0	0	0	0%
Outside Services	14,666	100,000	103,000	106,090	3%
Seminars & Meetings	710	3,500	3,605	3,713	3%
Administrative & General	0	0	0	0	0%
MID Equipment	0	300	309	318	3%
<b>Totals</b>	<b>18,307</b>	<b>192,088</b>	<b>201,860</b>	<b>208,816</b>	<b>5%</b>

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

**Notes:** Comply with SGMA regulations. Increase in staff hours due to additional time spent on GSP 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.

## 2021 O&M Budget Project Detail

**Division:** WATER OPERATIONS DIVISION  
**Project Number:** 3XX423

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	264,974	242,806	208,761	217,004	-14%
Materials & Supplies	0	0	0	0	0%
Outside Services	103,275	197,700	203,853	209,969	3%
Seminars & Meetings	1,181	3,090	3,090	3,183	0%
Administrative & General	347	546	562	579	3%
MID Equipment	0	300	300	309	0%
<b>Totals</b>	<b>369,777</b>	<b>444,442</b>	<b>416,566</b>	<b>431,044</b>	<b>-6%</b>

**Project Description:** Management of the Tuolumne River watershed.

**Notes:** Outside Services: New five year contract for cloud seeding program to augment snowpack, funding the Tuolumne River Snow Survey Program, flights and misc. cooperative programs with TID/CCSF.

**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.

## 2021 O&M Budget Project Detail

**Division:** WATER OPERATIONS DIVISION  
**Project Number:** 3XX430

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	450,182	509,444	521,087	541,557	2%
Materials & Supplies	1,730	2,000	2,060	2,122	3%
Outside Services	5,560	6,000	6,180	6,365	3%
Seminars & Meetings	3,605	4,371	4,502	4,637	3%
Administrative & General	2,327	500	515	530	3%
MID Equipment	3,030	5,000	5,150	5,305	3%
<b>Totals</b>	<b>466,434</b>	<b>527,315</b>	<b>539,494</b>	<b>560,516</b>	<b>2%</b>

**Project Description:** Irrigation Field Services Department administrative costs.

**Notes:** Outside services: increase is associated with increased use of ABS Presort to cover department mailings.

**Applicable Policy:** Water Operations Division mission statement.

## 2021 O&M Budget Project Detail

**Division:** WATER OPERATIONS DIVISION  
**Project Number:** 3XX440

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	1,859,372	1,980,564	2,026,319	2,104,170	2%
Materials & Supplies	4,221	5,464	5,628	5,797	3%
Outside Services	0	0	0	0	0%
Seminars & Meetings	876	5,974	6,153	6,338	3%
Administrative & General	31,244	23,246	23,943	24,662	3%
MID Equipment	59,331	60,000	61,800	63,654	3%
<b>Totals</b>	<b>1,955,044</b>	<b>2,075,248</b>	<b>2,123,843</b>	<b>2,204,621</b>	<b>2%</b>

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

**Notes:** A&G: includes electrical charges for Woodland/Waterford offices.

## 2021 O&M Budget Project Detail

**Division:** WATER OPERATIONS DIVISION  
**Project Number:** 3XX441

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	4,532	32,532	33,282	34,565	2%
Materials & Supplies	4,189	2,500	2,575	2,652	3%
Outside Services	83,172	35,000	60,000	61,800	71%
Seminars & Meetings	27	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	7,096	448	3,000	3,090	570%
<b>Totals</b>	<b>99,016</b>	<b>70,480</b>	<b>98,857</b>	<b>102,107</b>	<b>40%</b>

**Project Description:** La Grange Diversion Dam operational costs.

**Notes:** Material & Supplies: tunnel gate parts and controls. Outside Services: costs for the dam inspection fees and TID charges related to operation and maintenance of La Grange Diversion Dam. Outside services increased due to TID charges.

**Applicable Policy:** Water Operations Division mission statement.

## 2021 O&M Budget Project Detail

**Division:** WATER OPERATIONS DIVISION  
**Project Number:** 3XX442

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	165,672	217,104	222,166	230,456	2%
Materials & Supplies	940	1,000	1,030	1,061	3%
Outside Services	0	1,061	1,093	1,126	3%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	8,226	8,487	8,742	9,004	3%
MID Equipment	9,144	18,481	19,035	19,606	3%
<b>Totals</b>	<b>183,982</b>	<b>246,133</b>	<b>252,066</b>	<b>261,253</b>	<b>2%</b>

**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: Morton Fill flow table update.

**Applicable Policy:** MID Business Plan.



## 2021 O&M Budget Project Detail

**Division:** WATER OPERATIONS DIVISION  
**Project Number:** 3XX443

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	151,470	182,916	187,147	194,299	2%
Materials & Supplies	56	500	515	530	3%
Outside Services	0	0	0	0	0%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	11,485	12,360	12,731	13,113	3%
MID Equipment	6,811	12,360	9,000	9,270	-27%
<b>Totals</b>	<b>169,822</b>	<b>208,136</b>	<b>209,393</b>	<b>217,212</b>	<b>1%</b>

**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.

## 2021 O&M Budget Project Detail

**Division:** WATER OPERATIONS DIVISION  
**Project Number:** 3XX444

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	227,674	280,621	287,067	298,252	2%
Materials & Supplies	44,869	56,650	58,350	60,101	3%
Outside Services	4,580	10,981	2,500	2,575	-77%
Seminars & Meetings	0	2,652	2,732	2,814	3%
Administrative & General	208,402	360,500	300,000	309,000	-17%
MID Equipment	16,620	15,450	15,914	16,391	3%
<b>Totals</b>	<b>502,145</b>	<b>726,854</b>	<b>666,563</b>	<b>689,133</b>	<b>-8%</b>

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

**Notes:** Outside Services: Decreased due to new upgraded service truck giving us the ability to do more work in-house. A&G: Costs are primarily power costs for running pumps and can vary depending on the season, this number represents an average of the last 2 years. With the new reservoir these costs should drop. Material & Supplies: fuses, bearings, misc maintenance materials. Seminars and Meetings to cover professional development for pump crews.

**Applicable Policy:** MID Business Plan.

## 2021 O&M Budget Project Detail

**Division:** WATER OPERATIONS DIVISION  
**Project Number:** 3XX450

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	2,069,297	2,214,177	2,290,605	2,379,449	3%
Materials & Supplies	416,893	254,616	262,254	270,122	3%
Outside Services	109,191	77,250	89,000	91,670	15%
Seminars & Meetings	1,982	5,150	5,305	5,464	3%
Administrative & General	16,188	11,660	4,000	4,120	-66%
MID Equipment	148,094	227,881	234,717	241,759	3%
<b>Totals</b>	<b>2,761,645</b>	<b>2,790,734</b>	<b>2,885,881</b>	<b>2,992,584</b>	<b>3%</b>

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

**Notes:** Outside Services: tree trimming, uniform service, right-of-way debris removal and syphon cleaning. A&G: Dump fees are now being charged under landscaping 3XX455 and all cell phone charges are being paid for through IT budget.

**Applicable Policy:** Water Operations Division mission statement.

## 2021 O&M Budget Project Detail

**Division:** WATER OPERATIONS DIVISION  
**Project Number:** 3XX451

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	333,964	519,710	531,702	552,183	2%
Materials & Supplies	350,454	450,000	550,000	566,500	22%
Outside Services	5,436	1,000	1,030	1,061	3%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	0	0	0	0	0%
MID Equipment	20,546	35,000	36,050	37,132	3%
<b>Totals</b>	<b>710,400</b>	<b>1,005,710</b>	<b>1,118,782</b>	<b>1,156,876</b>	<b>11%</b>

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

**Notes:** Material & Supplies: Construction materials, miscellaneous parts and equipment rental.

**Applicable Policy:** Water Operations Division mission statement.

## 2021 O&M Budget Project Detail

**Division:** WATER OPERATIONS DIVISION  
**Project Number:** 3XX452

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	125,410	133,995	137,079	142,391	2%
Materials & Supplies	42,158	65,000	66,950	68,959	3%
Outside Services	24,852	4,244	27,000	27,810	536%
Seminars & Meetings	0	5,000	5,150	5,305	3%
Administrative & General	20	0	0	0	0%
MID Equipment	2,399	5,000	5,150	5,305	3%
<b>Totals</b>	<b>194,839</b>	<b>213,239</b>	<b>241,329</b>	<b>249,770</b>	<b>13%</b>

**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.

## 2021 O&M Budget Project Detail

**Division:** WATER OPERATIONS DIVISION  
**Project Number:** 3XX453

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	33,404	60,026	61,403	63,803	2%
Materials & Supplies	23,785	15,000	15,450	15,914	3%
Outside Services	6,603	5,000	5,150	5,305	3%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	2,037	2,186	2,252	2,320	3%
MID Equipment	290	3,000	3,090	3,183	3%
<b>Totals</b>	<b>66,119</b>	<b>85,212</b>	<b>87,345</b>	<b>90,525</b>	<b>3%</b>

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

**Notes:** Materials & Supplies: gates, misc. metals and concrete structures. Outside Services: reflects costs associated with outside SCADA integrator.

**Applicable Policy:** Water Operations Division mission statement.

## 2021 O&M Budget Project Detail

**Division:** WATER OPERATIONS DIVISION  
**Project Number:** 3XX454

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	255,580	344,110	195,716	202,764	-43%
Materials & Supplies	700,205	800,000	1,050,000	1,081,500	31%
Outside Services	17,171	5,000	5,000	5,150	0%
Seminars & Meetings	285	2,575	500	515	-81%
Administrative & General	3,596	13,390	4,000	4,120	-70%
MID Equipment	11,584	25,313	12,000	12,360	-53%
<b>Totals</b>	<b>988,421</b>	<b>1,190,388</b>	<b>1,267,216</b>	<b>1,306,409</b>	<b>6%</b>

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

**Notes:** Material & Supplies: Increase due to the increased use of Gallery and Dimension throughout the whole District.

**Applicable Policy:** Water Operations Division mission statement.

## 2021 O&M Budget Project Detail

**Division:** WATER OPERATIONS DIVISION  
**Project Number:** 3XX455

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	151,092	197,614	209,916	218,065	6%
Materials & Supplies	21,941	10,000	10,300	10,609	3%
Outside Services	5,520	27,319	28,139	28,983	3%
Seminars & Meetings	840	672	692	713	3%
Administrative & General	23,037	20,000	20,600	21,218	3%
MID Equipment	23,764	14,684	15,125	15,579	3%
<b>Totals</b>	<b>226,194</b>	<b>270,289</b>	<b>284,772</b>	<b>295,167</b>	<b>5%</b>

**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**

## 2021 O&M Budget Division Summary

### OM - DOMESTIC WATER DIVISION

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Prev. Budget to Current Budget
3XX470 PRJ - Domestic Water Admin	467,683	795,560	809,953	849,183	1.8%
3XX471 PRJ - Domestic Water A&G	2,636,105	3,266,890	3,358,252	3,503,733	2.8%
3XX472 PRJ - Domestic Water Operations	3,658,141	4,377,825	4,388,175	4,535,305	0.2%
3XX473 PRJ - Domestic Water Laboratory	363,868	516,345	568,364	589,338	10.1%
3XX474 PRJ - Domestic Water Maintenance	2,058,826	3,275,902	2,968,581	3,068,745	-9.4%
<b>OM - 8150 OM - Modesto Domestic Water</b>	<b>9,184,624</b>	<b>12,232,522</b>	<b>12,093,324</b>	<b>12,546,304</b>	<b>-1.1%</b>
<b>OM - 81 OM - DOMESTIC WATER DIVISION</b>	<b>\$9,184,624</b>	<b>\$12,232,522</b>	<b>\$12,093,324</b>	<b>\$12,546,304</b>	<b>-1.1%</b>

## 2021 O&M Budget Project Detail

**Division:** DOMESTIC WATER DIVISION  
**Project Number:** 3XX470

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	55,935	407,268	416,609	433,060	2%
Labor Vacancy	0	-106,708	-109,156	-113,466	2%
Materials & Supplies	23,242	15,000	20,000	20,600	33%
Outside Services	180,889	275,000	250,000	257,500	-9%
Seminars & Meetings	0	5,000	7,500	7,725	50%
Administrative & General	207,617	200,000	225,000	243,764	13%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>467,683</b>	<b>795,560</b>	<b>809,953</b>	<b>849,183</b>	<b>2%</b>

**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: 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.

**Applicable Policy:** State and Federal Water Quality Standards.

## 2021 O&M Budget Project Detail

**Division:** DOMESTIC WATER DIVISION  
**Project Number:** 3XX471

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

	2019	2020	2021	2022	% 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	10,500	0	10,000	10,600	10,000%
Seminars & Meetings	0	0	0	0	0%
Administrative & General	2,625,605	3,266,890	3,348,252	3,493,133	2%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>2,636,105</b>	<b>3,266,890</b>	<b>3,358,252</b>	<b>3,503,733</b>	<b>3%</b>

**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.

## 2021 O&M Budget Project Detail

**Division:** DOMESTIC WATER DIVISION  
**Project Number:** 3XX472

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	1,413,502	1,599,798	1,636,480	1,701,089	2%
Materials & Supplies	1,252,399	1,504,069	1,440,000	1,483,170	-4%
Outside Services	171	53,045	53,045	54,636	0%
Seminars & Meetings	4,263	15,914	17,500	18,025	10%
Administrative & General	982,663	1,200,000	1,236,000	1,273,080	3%
MID Equipment	5,144	5,000	5,150	5,305	3%
<b>Totals</b>	<b>3,658,142</b>	<b>4,377,826</b>	<b>4,388,175</b>	<b>4,535,305</b>	<b>0%</b>

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

**Notes:** Produce drinking water for residents of the City. Materials & Supplies: Treatment chemicals and raw water; Outside Services: Solids handling. A&G: electricity.

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

## 2021 O&M Budget Project Detail

**Division:** DOMESTIC WATER DIVISION  
**Project Number:** 3XX473

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	273,228	404,575	413,864	430,203	2%
Materials & Supplies	38,676	72,000	80,000	82,400	11%
Outside Services	43,105	25,000	55,000	56,650	120%
Seminars & Meetings	1,954	4,770	7,500	7,725	57%
Administrative & General	6,906	10,000	12,000	12,360	20%
MID Equipment	0	0	0	0	0%
<b>Totals</b>	<b>363,869</b>	<b>516,345</b>	<b>568,364</b>	<b>589,338</b>	<b>10%</b>

**Project Description:** Modesto Regional Water Treatment Plant Laboratory.

**Notes:** Process control and regulatory compliance. Materials & Supplies: lab chemicals & supplies; Outside Services: contract lab services; A&G: lab certification, regulatory and permit fees. Decrease in outside services due to charges captured in capital.

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

## 2021 O&M Budget Project Detail

**Division:** DOMESTIC WATER DIVISION  
**Project Number:** 3XX474

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

	2019	2020	2021	2022	% Change
	Actual	Budget	Adopted Budget	Proposed Budget	Current Budget
Labor & Benefits	1,125,981	1,145,293	1,171,581	1,217,835	2%
Materials & Supplies	359,579	500,000	515,000	530,450	3%
Outside Services	515,396	1,600,000	1,250,000	1,287,500	-22%
Seminars & Meetings	0	10,000	7,000	7,210	-30%
Administrative & General	50,252	10,609	15,000	15,450	41%
MID Equipment	7,618	10,000	10,000	10,300	0%
<b>Totals</b>	<b>2,058,826</b>	<b>3,275,902</b>	<b>2,968,581</b>	<b>3,068,745</b>	<b>-9%</b>

**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.

**Applicable Policy:** State and Federal water quality standards.

# **Information Technology Capital**



## 2021 Capital Budget Division Summary

### CAP - INFORMATION TECHNOLOGY DIVISION

Project	2021 Adopted Budget
720201 PRJ - Cyber Security Compliance Automation	280,000
721301 PRJ - Connect CIS Upgrade	2,000,000
721302 PRJ - E-Business Suite Upgrade	600,000
7XX101 PRJ - Server Hardware/Software	370,000
7XX102 PRJ - Network Hardware/Software	345,000
7XX103 PRJ - Printers/Scanners/Projector	100,000
7XX119 PRJ - Comm Equip Upgrade	150,000
7XX138 PRJ - IT Security Infrastructure	240,000
<b>CAP - 4010 CAP - Information Technology</b>	<b>4,085,000</b>
<b>CAP - 40 CAP - INFORMATION TECHNOLOGY DIVISION</b>	<b>4,085,000</b>

## 2021 Capital Budget Project Detail

**Division:** INFORMATION TECHNOLOGY DIVISION  
**Project Number:** 720201

**Department:** 4010 Information Technology  
**Project Title:** PRJ - Cyber Security Compliance Automation

Approved Budget in Prior Years	125,000			2021	
Additional Amount Requested in Current Budget Year	280,000			Adopted	
Total Project Budget Inception to Completion	405,000			Budget	
		Labor & Benefits		0	
		Materials & Supplies		0	
		Outside Services		200,000	
		Seminars & Meetings		0	
		Administrative & General		80,000	
		MID Equipment		0	
		Totals		280,000	

<b>Project Description</b>	Two year project to automate NERC CIP security and compliance processes. Currently, NERC CIP compliance tasks consume two full time employees, leaving little time for other high value cyber security tasks and projects. In addition, current processes are manual and therefore run the risk of human error. This project will reduce staff workload, improve security, and ensure compliance. This will free up staff to implement higher value cyber security controls.
<b>Project Justification</b>	As an electric utility participating in the Bulk Electric System (BES), the District must comply with NERC CIP standards. NERC CIP is designed to protect the cyber assets that control the BES and consists of 10 standards and 45 requirements. These requirements include multiple bi-weekly, monthly, quarterly and annual processes and tasks. The District's NERC CIP compliance program is based heavily on manual processes which consumes valuable staff time and presents a risk of human error.
<b>Applicable Policy</b>	Reliability

## 2021 Capital Budget Project Detail

**Division:** INFORMATION TECHNOLOGY DIVISION  
**Project Number:** 721301

**Department:** 4010 Information Technology  
**Project Title:** PRJ - Connect CIS Upgrade

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	0
Outside Services	2,000,000
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>2,000,000</b>

<b>Project Description</b>	Professional services for a major software version upgrade to the Connect Customer Information System.
<b>Project Justification</b>	Connect CIS is now entering its fourth year in operation. The system is composed of multiple Oracle software components. These components must be kept up-to-date in order to maintain software support and to enable new functionality and security features provided by Oracle. Several of the components have reached end of support while others will be off support by the end of 2021. Software upgrades are required every three to five years.
<b>Applicable Policy</b>	Technology, Customer Service

## 2021 Capital Budget Project Detail

**Division:** INFORMATION TECHNOLOGY DIVISION  
**Project Number:** 721302

**Department:** 4010 Information Technology  
**Project Title:** PRJ - E-Business Suite Upgrade

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	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	0
Outside Services	600,000
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>600,000</b>

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<b>Project Description</b>	Professional services for a major software version upgrade to the Financial and Human Resource Information System.
<b>Project Justification</b>	The District's e-Business Suite Financial and Human Resource Information System was last upgraded in 2012. The current version of software will reach end of support at the end of 2021. Software support is critical to maintaining tax and regulatory updates as well as providing security and other software features necessary to maintain the District's Financial and Human Resource processes and procedures.
<b>Applicable Policy</b>	Technology, Fiscal Responsibility

## 2021 Capital Budget Project Detail

**Division:** INFORMATION TECHNOLOGY DIVISION  
**Project Number:** 7XX101

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

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	370,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>370,000</b>

<b>Project Description</b>	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.
<b>Project Justification</b>	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.
<b>Applicable Policy</b>	District Mission - Technology Goal.

## 2021 Capital Budget Project Detail

**Division:** INFORMATION TECHNOLOGY DIVISION  
**Project Number:** 7XX102

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

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	345,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>345,000</b>

- 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.

## 2021 Capital Budget Project Detail

**Division:** INFORMATION TECHNOLOGY DIVISION  
**Project Number:** 7XX103

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

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	100,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>100,000</b>

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<b>Project Description</b>	Planned replacement of computer peripheral and related systems equipment. Systems/equipment includes printers, plotters, scanners, projectors and other related systems/equipment.
<b>Project Justification</b>	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.
<b>Applicable Policy</b>	District Mission - Technology Goal.

## 2021 Capital Budget Project Detail

**Division:** INFORMATION TECHNOLOGY DIVISION  
**Project Number:** 7XX119

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

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	150,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>150,000</b>

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



## 2021 Capital Budget Project Detail

**Division:** INFORMATION TECHNOLOGY DIVISION  
**Project Number:** 7XX138

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

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	240,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>240,000</b>

**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.

**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**



## 2021 Capital Budget Division Summary CAP - FINANCE DIVISION

Project	2021 Adopted Budget
717606 PRJ - Downtown Building Interior Renovation	1,150,000
721303 PRJ - Service Center Fire Sprinkler Head Replacement	25,000
721304 PRJ - Lighting at Service Center Main Entry	20,000
721305 PRJ - Barrier Gates at Service Center Main Entry	83,000
721306 PRJ - Replace Fleet Shop In-Ground Hoists	400,000
<b>CAP - 5031 CAP - Buildings &amp; Grounds</b>	<b>1,678,000</b>
721307 PRJ - Replace Vehicle 013	160,000
721308 PRJ - Replace Vehicle 017	150,000
721309 PRJ - Replace Vehicle 024	40,000
721310 PRJ - Replace Vehicle 026	38,000
721311 PRJ - Replace Vehicle 029	38,000
721312 PRJ - Replace Vehicle 056	75,000
721313 PRJ - Replace Vehicle 068	100,000
721314 PRJ - Replace Vehicle 097	160,000
721315 PRJ - Replace Vehicle 103	160,000
721316 PRJ - Replace Unit 114	45,000
721317 PRJ - Replace Vehicle 121	48,000
721318 PRJ - Replace Vehicle 128	38,000
721319 PRJ - Replace Vehicle 161	75,000
721320 PRJ - Replace Vehicle 163	38,000
721321 PRJ - 12 Ton Flatbed Trailer 173	22,000
721322 PRJ - Hogg Davis 985 Pulling Device 213	175,000
721323 PRJ - Replace Vehicle 221	38,000
721324 PRJ - Replace Vehicle 223	40,000
721325 PRJ - Replace Vehicle 273	500,000
721326 PRJ - Replace Vehicle 304	30,000
721327 PRJ - Replace Trailer 325	30,000

## 2021 Capital Budget Division Summary CAP - FINANCE DIVISION

Project	2021 Adopted Budget
721328 PRJ - Replace Trailer 329	30,000
721329 PRJ - Replace Vehicle 336	30,000
721330 PRJ - Replace Vehicle 344	70,000
721331 PRJ - Replace Unit 360	70,000
721332 PRJ - PTO Air Compressor for Truck 369	25,000
721333 PRJ - Kubota MX6000 Tractor 376	45,000
721334 PRJ - Replace Vehicle 394	40,000
721335 PRJ - Replace Unit 419	45,000
721336 PRJ - Equipment Trailer 422	35,000
721337 PRJ - Scan Tool for Off Road Equipment	15,400
721338 PRJ - Shotcrete Robotic Arm	73,000
<b>CAP - 5033 CAP - Fleet Maintenance</b>	<b>2,478,400</b>
<b>CAP - 50 CAP - FINANCE DIVISION</b>	<b>4,156,400</b>

## 2021 Capital Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 717606

**Department:** 5031 Buildings & Grounds  
**Project Title:** PRJ - Downtown Building Interior Renovation

Approved Budget in Prior Years	3,341,206
Additional Amount Requested in Current Budget Year	1,150,000
Total Project Budget Inception to Completion	4,491,206

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	0
Outside Services	1,150,000
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>1,150,000</b>

<b>Project Description</b>	The interior of the Downtown Office has not been renovated since 1989. The furniture, carpet, paint, wallpaper, ceiling tiles, lighting and window blinds are all worn, outdated and continuously need maintenance. We will update all existing furniture, workstations, carpet areas, remove old wallpaper and replace with painted walls, remove old puzzle ceiling and replace with T-bar, replace all window blinds, and replace lighting to more efficient LED fixtures.
<b>Project Justification</b>	Lighting is outdated and regularly requires repairs. It is also not as efficient in comparison to what is currently available on the market. The carpeting is extremely worn and is a color/pattern that has been discontinued and is no longer available. A majority of the walls inside the facility are of color paint that we are no longer capable of color matching. The ceiling is considered a "puzzle ceiling" which is a type of ceiling that is not intended to be touched or moved which conflicts with the equipment above the ceiling that requires regular service.
<b>Applicable Policy</b>	Maintain District facilities in a workable condition and improve District's operations and assets.



## 2021 Capital Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 721303

**Department:** 5031 Buildings & Grounds  
**Project Title:** PRJ - Service Center Fire Sprinkler Head Replacement

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	25,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>25,000</b>

**Project Description**      Replace all sprinkler heads at the Service Center.

**Project Justification**      Sprinkler heads at the Service Center are coming up to their 50 year life. These will have to be replaced to ensure we maintain fire safety compliance.

## 2021 Capital Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 721304

**Department:** 5031 Buildings & Grounds  
**Project Title:** PRJ - Lighting at Service Center Main Entry

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	20,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>20,000</b>

**Project Description**      Purchase new 25' tall light pole with two high lumen LED fixtures.

**Project Justification**      The purpose of this additional lighting is to better light up the cross walk and entry area of the Service Center. Many crews begin their workday at the Service Center before the sun comes up. The crosswalk area from the parking lot to the main buildings is poorly lit and creates hazards for pedestrians crossing the main entrance area. This has been discussed at safety meetings and the Safety department has requested we address this concern.



## 2021 Capital Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 721305

**Department:** 5031 Buildings & Grounds  
**Project Title:** PRJ - Barrier Gates at Service Center Main Entry

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	83,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>83,000</b>

**Project Description**      Purchase barrier gates with lift arms for the main entrance and exit to the Service Center.

**Project Justification**      This project will include two sets of gates at the entrance and one gate at the exit. Gates will be controlled by the security guard and have badge readers to allow instant access to district vehicles and approved employee vehicles. Over the past few years we have had multiple incidents where unauthorized pedestrians and or vehicles accessed the Service Center thru our main gates that remain open during business hours. This creates a security and safety concern for all staff working at the Service Center. By installing the barrier gate system, we can better control pedestrian and vehicle traffic, thus improving upon employee safety and security.



## 2021 Capital Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 721306

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

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	400,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>400,000</b>

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

**Project Justification**      The Fleet Shop's weaver in-ground hoists are 47 years old. Due to age, repair parts are difficult to find or are unavailable. Changes in new vehicle construction and the unavailability of mounting adapters have limited the hoists' use. In addition, there are safety concerns with the current hoists. During the vehicle set-up period, the trench cover plates can leave the trench uncovered. Also, the current hoists do not have positive locking devices that prevent the hoists from falling in the case of failure. The new hoists have positive locking devices that prevent hoist leak down while in use and an aluminum track system keeps the trench covered at all times. Fleet would like to replace two of the hoists in 2021 and the third hoist in 2022.

## 2021 Capital Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 721307

**Department:** 5033 Fleet Maintenance  
**Project Title:** PRJ - Replace Vehicle 013

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	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	160,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>160,000</b>

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**Project Description**      Replace Vehicle 013

**Project Justification**      013 is a 2012 Ford F550 Trouble Truck assigned to the Trouble Department. This vehicle will be 9 years old with approximately 193,000 miles in 2021. This vehicle will have approximately 13,000 hours on it in 2021. At a conversion rate of 45mph, that equates to 585,000 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 size vehicle.

**Applicable Policy**      Vehicle Replacement Policy

## 2021 Capital Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 721308

**Department:** 5033 Fleet Maintenance  
**Project Title:** PRJ - Replace Vehicle 017

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	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	150,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>150,000</b>

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**Project Description**      Replace Vehicle 017

**Project Justification**      017 is a 1990 International 4900 Flatbed Dump Truck assigned to Line Construction. Vehicle will be 31 years old with approximately 135,000 miles in 2021. Vehicle is in pretty rough shape and repairs are getting more and more costly. Improve District's operations and assets.

**Applicable Policy**      Vehicle Replacement Policy

## 2021 Capital Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 721309

**Department:** 5033 Fleet Maintenance  
**Project Title:** PRJ - Replace Vehicle 024

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	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	40,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	40,000

---

**Project Description**      Replace Vehicle 024

**Project Justification**      024 is a 2010 Ford F150 assigned to the Irrigation Department. This vehicle will be 11 years old with approximately 164,000 miles in 2021. This unit will be replaced with a 1/2 ton, 4 door 4wd truck.

**Applicable Policy**      Vehicle Replacement Policy

## 2021 Capital Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 721310

**Department:** 5033 Fleet Maintenance  
**Project Title:** PRJ - Replace Vehicle 026

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	38,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>38,000</b>

**Project Description**      Replace Vehicle 026

**Project Justification**      026 is a 2005 Ford Taurus assigned to the Water Treatment Plant. Vehicle will be 17 years old with approximately 65,000 miles in 2021. Vehicle will be replaced with EV vehicle as part of the SJVAPCD Grants program if approved.

**Applicable Policy**      Vehicle Replacement Policy

## 2021 Capital Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 721311

**Department:** 5033 Fleet Maintenance  
**Project Title:** PRJ - Replace Vehicle 029

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	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	38,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>38,000</b>

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**Project Description**      Replace vehicle 029

**Project Justification**      Vehicle 029 is a 2005 Ford Taurus assigned to the Energy Services Department. Vehicle will be 16 years old with approximately 66,000 miles in 2021. Vehicle will be replaced with EV vehicle as part of the SJVAPCD Grants program if approved.

**Applicable Policy**      Vehicle Replacement Policy

## 2021 Capital Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 721312

**Department:** 5033 Fleet Maintenance  
**Project Title:** PRJ - Replace Vehicle 056

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	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	75,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	75,000

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**Project Description**      Replace Vehicle 056

**Project Justification**      056 is a 2008 Ford F250 service body truck assigned to the Irrigation Department. This vehicle will be 14 years old with approximately 156,000 miles in 2021. Vehicle will be replaced with like for like if possible.

**Applicable Policy**      Vehicle Replacement Policy

## 2021 Capital Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 721313

**Department:** 5033 Fleet Maintenance  
**Project Title:** PRJ - Replace Vehicle 068

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	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	100,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>100,000</b>

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**Project Description**      Replace Vehicle 068

**Project Justification**      068 is a 2007 Ford F450 assigned to the Irrigation Department. This vehicle will be 15 years old with approximately 121,000 miles in 2021. Vehicle will be replaced with like for like if possible.

**Applicable Policy**      Vehicle Replacement Policy



## 2021 Capital Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 721314

**Department:** 5033 Fleet Maintenance  
**Project Title:** PRJ - Replace Vehicle 097

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	160,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>160,000</b>

**Project Description**      Replace vehicle 097

**Project Justification**      Vehicle 097 is a 2012 Ford F550 Trouble Truck assigned to the Trouble Department. This vehicle will be 9 years old with approximately 177,000 miles in 2021. This vehicle will have approximately 13,500 hours on it in 2021. At a conversion rate of 45mph, that equates to 607,500 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.

**Applicable Policy**      Vehicle Replacement Policy

## 2021 Capital Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 721315

**Department:** 5033 Fleet Maintenance  
**Project Title:** PRJ - Replace Vehicle 103

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	160,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>160,000</b>

**Project Description**      Replace Vehicle 103

**Project Justification**      103 is a 2012 Ford F550 Trouble Truck assigned to the Trouble Department. This vehicle will be 9 years old with approximately 175,000 miles in 2021. The vehicle will have approximately 12,300 hours on it in 2021. At a conversion rate of 45mph, that equates to 533,500 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.

**Applicable Policy**      Vehicle Replacement Policy

## 2021 Capital Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 721316

**Department:** 5033 Fleet Maintenance  
**Project Title:** PRJ - Replace Unit 114

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	45,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>45,000</b>

**Project Description**      Replace Unit 114

**Project Justification**      114 is an Ingersoll Rand towable portable air compressor. This unit was purchased in 2008. It has a Tier 2 diesel engine in it. California Air Resources Board regulations require all Tier 2 engines on portable equipment be removed from service by the end of 2021.

## 2021 Capital Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 721317

**Department:** 5033 Fleet Maintenance  
**Project Title:** PRJ - Replace Vehicle 121

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	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	48,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>48,000</b>

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**Project Description**      Replace Vehicle 121

**Project Justification**      121 is a 2006 Ford Ranger assigned to the Line Construction Department. This vehicle will be 15 years old with approximately 90,000 miles in 2021. Vehicle will be replaced with a ¾ ton truck with Service Body to better meet the needs of the department.

**Applicable Policy**      Vehicle Replacement Policy



## 2021 Capital Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 721318

**Department:** 5033 Fleet Maintenance  
**Project Title:** PRJ - Replace Vehicle 128

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	38,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>38,000</b>

**Project Description**      Replace Vehicle 128

**Project Justification**      128 is a 2006 Ford Taurus assigned to the Water Treatment Plant. Vehicle will be 15 years old with approximately 155,000 miles in 2021. Vehicle will be replaced with EV vehicle as part of the SJVAPCD Grants program, if possible.

**Applicable Policy**      Vehicle Replacement Policy

## 2021 Capital Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 721319

**Department:** 5033 Fleet Maintenance  
**Project Title:** PRJ - Replace Vehicle 161

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	75,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>75,000</b>

**Project Description**      Replace Vehicle 161

**Project Justification**      161 is a 2006 Ford F350 assigned to the Line Construction Department. This vehicle will be 15 years old with approximately 123,000 miles in 2021. Vehicle will be replaced with like size vehicle.

**Applicable Policy**      Vehicle Replacement Policy



## 2021 Capital Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 721320

**Department:** 5033 Fleet Maintenance  
**Project Title:** PRJ - Replace Vehicle 163

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	38,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>38,000</b>

**Project Description**      Replace Vehicle 163

**Project Justification**      Vehicle 163 is a 2006 Ford Taurus assigned to the Safety and Environmental Compliance Department. This vehicle will be 15 years old with approximately 98,000 miles in 2021. Vehicle will be replaced with an EV vehicle thru the SJVAPCD Grants program, if approved.

**Applicable Policy**      Vehicle Replacement Policy

## 2021 Capital Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 721321

**Department:** 5033 Fleet Maintenance  
**Project Title:** PRJ - 12 Ton Flatbed Trailer 173

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	22,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>22,000</b>

**Project Description**      Purchase flatbed trailer for hauling single phase and three phase pad mount transformers, cap banks, air switches, pull boxes, mod boxes and other associated material.

**Project Justification**      Digger Derricks have limited carrying capacity and reduced boom to bed height for carrying pad mount transformers. Fleet purchased this same trailer in the past for Line Construction and the trailer has a very high demand within their department. The trailer is designed with a short tongue and bed length to maneuver into restricted areas. The trailer is designed with a capacity to haul up to a 2500KVA pad mount transformer.





## 2021 Capital Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 721322

**Department:** 5033 Fleet Maintenance  
**Project Title:** PRJ - Hogg Davis 985 Pulling Device 213

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	175,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>175,000</b>

**Project Description**      Purchase cable pulling trailer for the installation and removal of overhead and underground conductor.

**Project Justification**      Fleet has purchased a similar trailer in the past for Line Construction and the unit is in high demand. The pulling device is utilized for overhead reconductors, single phase and three phase installation and removal of underground conductors.

## 2021 Capital Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 721323

**Department:** 5033 Fleet Maintenance  
**Project Title:** PRJ - Replace Vehicle 221

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	38,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>38,000</b>

**Project Description**      Replace Vehicle 221

**Project Justification**      221 is a 2005 Ford Taurus assigned to Woodland Generation. Vehicle will be 16 years old with approximately 61,000 miles in 2021. Vehicle will be replaced with EV vehicle as part of the SJVAPCD Grants program if approved.

**Applicable Policy**      Vehicle Replacement Policy

## 2021 Capital Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 721324

**Department:** 5033 Fleet Maintenance  
**Project Title:** PRJ - Replace Vehicle 223

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	40,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>40,000</b>

**Project Description**      Replace Vehicle 223

**Project Justification**      223 is a 2011 Ford F150 extended cab truck assigned to the Line Construction Department. This vehicle will be 10 years old with approximately 150,000 miles in 2021. This unit will be replaced with a 1/2 ton, 4 door 4 wd truck.

**Applicable Policy**      Vehicle Replacement Policy

## 2021 Capital Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 721325

**Department:** 5033 Fleet Maintenance  
**Project Title:** PRJ - Replace Vehicle 273

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	500,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>500,000</b>

**Project Description**      Replace Vehicle 273

**Project Justification**      273 is a 2006 International 7400 Boom Truck assigned to Line Construction. Vehicle will be 15 years old with approximately 65,000 miles in 2020. This truck has 10,586 hours. on it currently. At a conversion rate of 45 mph, that equates to 476,370 miles. These vehicles get very heavy use and at the 15 year mark repair costs and shop down time climb fast. Vehicle will be replaced with like for like.

**Applicable Policy**      Vehicle Replacement Policy

## 2021 Capital Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 721326

**Department:** 5033 Fleet Maintenance  
**Project Title:** PRJ - Replace Vehicle 304

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	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	30,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>30,000</b>

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**Project Description**      Replace Vehicle 304

**Project Justification**      304 is a 2016 Ford F150 assigned to the Irrigation Department. This vehicle will be 5 years old with approximately 153,000 miles in 2021. Vehicle will be replaced with like for like if possible.

**Applicable Policy**      Vehicle Replacement Policy

## 2021 Capital Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 721327

**Department:** 5033 Fleet Maintenance  
**Project Title:** PRJ - Replace Trailer 325

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	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	30,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>30,000</b>

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**Project Description**      Replace Trailer 325

**Project Justification**      325 is a Crew Leader Trailer assigned to Line Construction. This unit was purchased in 1971. Trailer will be 50 years old in 2021. Trailer will be replaced with a similar size trailer but with compartments configured to better meet the needs of the crews.

## 2021 Capital Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 721328

**Department:** 5033 Fleet Maintenance  
**Project Title:** PRJ - Replace Trailer 329

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	30,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>30,000</b>

**Project Description**      Replace Trailer 329

**Project Justification**      329 is a Crew Leader Trailer assigned to Line Construction. This unit was purchased in 1971. Trailer will be 50 years old in 2021. Trailer will be replaced with a similar size trailer but with compartments configured to better meet the needs of the crews.

## 2021 Capital Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 721329

**Department:** 5033 Fleet Maintenance  
**Project Title:** PRJ - Replace Vehicle 336

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	30,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>30,000</b>

**Project Description**      Replace Vehicle 336

**Project Justification**      336 is a 2015 Chevrolet 1/2 ton truck assigned to the Irrigation Department. This vehicle will be 6 years old with approximately 158,000 miles in 2021. Vehicle will be replaced with like for like if possible.

**Applicable Policy**      Vehicle Replacement Policy



## 2021 Capital Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 721330

**Department:** 5033 Fleet Maintenance  
**Project Title:** PRJ - Replace Vehicle 344

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	70,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>70,000</b>

<b>Project Description</b>	Replace Vehicle 344
<b>Project Justification</b>	344 is a 2006 Ford F350 truck assigned to the Irrigation Department. This vehicle will be 15 years old with approximately 75,000 miles in 2021. Vehicle will be replaced with like size vehicle.
<b>Applicable Policy</b>	Vehicle Replacement Policy

## 2021 Capital Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 721331

**Department:** 5033 Fleet Maintenance  
**Project Title:** PRJ - Replace Unit 360

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	70,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>70,000</b>

**Project Description**      Replace Unit 360

**Project Justification**      360 is a Kubota tractor assigned to the Irrigation Department. This unit is used for canal maintenance and cleanings. This unit was purchased in 2016. It has been heavily used and suffered extensive damages. Irrigation would like to replace the unit with a CAT 239D3, or equivalent, which is more suited to handle the type of work this unit will be used for. 360 is currently out of service due to needed repairs totaling \$15,000. Instead of repairing this unit staff would like to replace with a unit designed to handle the type of work needed.

**Applicable Policy**      Vehicle Replacement Policy



## 2021 Capital Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 721332

**Department:** 5033 Fleet Maintenance  
**Project Title:** PRJ - PTO Air Compressor for Truck 369

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	25,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>25,000</b>

**Project Description**      Purchase PTO Air Compressor for Truck 369.

**Project Justification**      Truck 369 is assigned to the Fleet Department and the current compressor is unreliable and often difficult to get running. Truck is used primarily as a service truck for tire work and repairs in the field. Fleet would like to install a PTO driven air compressor unit onto the truck. This would solve reliability issues and ensure staff is able to make needed tire repairs in the fields as efficiently as possible.

## 2021 Capital Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 721333

**Department:** 5033 Fleet Maintenance  
**Project Title:** PRJ - Kubota MX6000 Tractor 376

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	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	45,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>45,000</b>

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**Project Description**      Purchase new Tractor for use with Shotcrete Robotic Arm.

**Project Justification**      This tractor will be used to run the Shotcrete Robotic Arm as well as on other projects throughout the year. This improves the safety of our workers and greatly improves efficiency by allowing our crews to spray non-stop. They will not need to rotate workers holding the hose which will give them more time to spray gunite.

## 2021 Capital Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 721334

**Department:** 5033 Fleet Maintenance  
**Project Title:** PRJ - Replace Vehicle 394

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	40,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>40,000</b>

**Project Description**      Replace Vehicle 394

**Project Justification**      394 is a 2010 Ford F150 ext. cab truck assigned to the Irrigation Department. This vehicle will be 11 years old with approximately 150,000 miles in 2021. This unit will be replaced with 1/2 ton, 4 door 4 wd.

**Applicable Policy**      Vehicle Replacement Policy

## 2021 Capital Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 721335

**Department:** 5033 Fleet Maintenance  
**Project Title:** PRJ - Replace Unit 419

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	45,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>45,000</b>

**Project Description**      Replace Unit 419

**Project Justification**      419 is an Ingersoll Rand towable portable air compressor. This unit was purchased in 2006. This unit has a Tier 2 diesel engine in it. Per CARB regulations, all Tier 2 units must be removed from service by the end of 2021. California Air Resources Board regulations require all Tier 2 engines on portable equipment be removed from service by the end of 2021.

## 2021 Capital Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 721336

**Department:** 5033 Fleet Maintenance  
**Project Title:** PRJ - Equipment Trailer 422

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	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	35,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>35,000</b>

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**Project Description**      Purchase new Equipment Trailer.

**Project Justification**      This trailer will assist the pipe lining crew with staging of materials and equipment on jobsites where they will be using the Gizmo.. Currently at times we are in short supply of trailers and this will help us have more flexibility and improve efficiency on pipeline relining jobs as well as help by adding to the pool of trailers for use.

## 2021 Capital Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 721337

**Department:** 5033 Fleet Maintenance  
**Project Title:** PRJ - Scan Tool for Off Road Equipment

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	15,400
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	15,400

**Project Description**      Purchase off road equipment scan tool

**Project Justification**      Purchase scan tool for the purpose of diagnosing emission and engine related problems on towed portable equipment, self-propelled off-road equipment, stationary generators and over the road trucks with Cummings diesel engines. The scanner will read codes, engine data and has interactive features. In addition, it has data logging capabilities to capture intermittent faults. The request includes a Panasonic Tuff Book or equivalent to provide protection from the elements during field repairs. The Fleet does not have a scanner to address this class of equipment and this would allow Fleet to diagnose and repair this equipment much more efficiently.



## 2021 Capital Budget Project Detail

**Division:** FINANCE DIVISION  
**Project Number:** 721338

**Department:** 5033 Fleet Maintenance  
**Project Title:** PRJ - Shotcrete Robotic Arm

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	73,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>73,000</b>

**Project Description**      Purchase new Shotcrete robotic arm.

**Project Justification**      This robotic arm will take the place of a worker holding the gunite hose when spraying the canals. It attaches to a tractor's PTO and is controlled by remote from a distance. This improves the safety of our workers and greatly improves efficiency by allowing our crews to spray non-stop. They will not need to rotate workers holding the hose which will give them more time to spray gunite.

**Electric Resources**

**Capital**

## 2021 Capital Budget Division Summary

### CAP - ELECTRIC RESOURCES DIVISION

Project	2021 Adopted Budget
714331 PRJ - DP Generation Upgrade	3,370,838
714332 PRJ - DP Project Upgrade	3,945,654
720229 PRJ - DP Cavitation Repair	31,090
721339 PRJ - DP Security Cameras	38,164
721340 PRJ - DP Power House Tools	3,406
<b>CAP - 6068 CAP - Don Pedro</b>	<b>7,389,152</b>
<b>CAP - 60 CAP - ELECTRIC RESOURCES DIVISION</b>	<b>7,389,152</b>



## 2021 Capital Budget Project Detail

**Division:** ELECTRIC RESOURCES DIVISION  
**Project Number:** 710782

**Department:** 6068 Don Pedro  
**Project Title:** PRJ - DP/La Grange FERC Relicense

Approved Budget in Prior Years	32,452,154
Total Project Budget Inception to Completion	32,452,154

	2021
	Adopted Budget
Labor & Benefits	0
Materials & Supplies	0
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	0

**Project Description**      Don Pedro FERC Relicensing project.

**Project Justification**      Continue work on FERC Relicensing project. FERC relicensing contractor services split with TID.

## 2021 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	1,198,900
Additional Amount Requested in Current Budget Year	3,370,838
Estimated Amount Required in Future Budget Cycles	27,254,503
Total Project Budget Inception to Completion	31,824,241

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	0
Outside Services	3,370,838
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>3,370,838</b>

<b>Project Description</b>	Engineering studies and preliminary design for turbine/generation upgrades associated with relicensing.
<b>Project Justification</b>	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.
<b>Applicable Policy</b>	Reliability of Power Supply, meet MID's long term resource goals, Don Pedro Operating Agreement.

## 2021 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	16,560,800
Additional Amount Requested in Current Budget Year	3,945,654
Estimated Amount Required in Future Budget Cycles	4,983,320
<b>Total Project Budget Inception to Completion</b>	<b>25,489,774</b>

	2021
	Adopted Budget
Labor & Benefits	0
Materials & Supplies	0
Outside Services	3,945,654
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>3,945,654</b>

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<b>Project Description</b>	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.
<b>Project Justification</b>	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.
<b>Applicable Policy</b>	Reliability of Power Supply, meet MID's long term resource goals, Don Pedro Operating Agreement.

## 2021 Capital Budget Project Detail

**Division:** ELECTRIC RESOURCES DIVISION  
**Project Number:** 720229

**Department:** 6068 Don Pedro  
**Project Title:** PRJ - DP Cavitation Repair

Approved Budget in Prior Years	237,000
Additional Amount Requested in Current Budget Year	31,090
Total Project Budget Inception to Completion	268,090

	2021
	Adopted
	Budget
Labor & Benefits	0
Materials & Supplies	0
Outside Services	31,090
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>31,090</b>

**Project Description**      Repair cavitation on turbine runner.

**Project Justification**      Each unit is removed from service and sent to shop for extensive cavitation (welding) repair approximately every 5 years.

**Applicable Policy**      Reliability of Power Supply. Don Pedro Operating Agreement.

## 2021 Capital Budget Project Detail

**Division:** ELECTRIC RESOURCES DIVISION  
**Project Number:** 721339

**Department:** 6068 Don Pedro  
**Project Title:** PRJ - DP Security Cameras

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	0
Outside Services	38,164
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>38,164</b>

**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.





## 2021 Capital Budget Project Detail

**Division:** ELECTRIC RESOURCES DIVISION  
**Project Number:** 721340

**Department:** 6068 Don Pedro  
**Project Title:** PRJ - DP Power House Tools

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	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	0
Outside Services	3,406
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>3,406</b>

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**Project Description**      Purchase of misc power tools for the Power House

**Project Justification**      Tools needed during BOP upgrade: Portable Gantry Crane, Cordless Tools Set, Belt/Disc Sander and Heated Pressure Washer.

**Applicable Policy**      Don Pedro Operating Agreement.

**Transmission & Distribution      Capital**

## 2021 Capital Budget Division Summary

### CAP - ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION

Project	2021
	Adopted Budget
666001 PRJ - RC-Overhead Services	654,719
666002 PRJ - RC-Underground Services	265,447
666003 PRJ - RC-Overhead Pvt Lighting (9000 Lumen)	33,031
666005 PRJ - RC-Transm-Towers/Poles/Fixtures/Cond/Devices	16,090
666006 PRJ - RC-Dist-Towers/Poles/Fixtures/Cond/Devices	1,339,078
666007 PRJ - RC-Underground Conduits/Conductors/Devices	1,510,821
666008 PRJ - RC-Overhead Transformers	1,039,490
666009 PRJ - RC-Underground Transformers	1,810,359
719949 PRJ - 230kV Pole Painting-Joint Section	2,000,000
721341 PRJ - Codoni Distribution Feeders	469,744
721342 PRJ - Motor Operated Switch Replacements	45,062
721343 PRJ - New Roselle Feeder	41,210
721344 PRJ - 15 Ton Battery Press	63,000
7XX106 PRJ - Mountain House Development	881,986
7XX107 PRJ - Mountain House Substructure	936,228
7XX108 PRJ - Pole Relocations	256,898
7XX109 PRJ - Conduit Installations	713,759
7XX111 PRJ - Pole Replace/Restorations	370,507
7XX113 PRJ - Contaminated Transf. Repl.	72,496
7XX123 PRJ - Primary System Improvements	144,802
7XX130 PRJ - OH #6 Copper Replacements	883,474
7XX132 PRJ - UG Cable Installation	390,951
7XX139 PRJ - Cap Bank Refurbishments	350,951
<b>CAP - 7072 CAP - Line Construction</b>	<b>14,290,105</b>
719963 PRJ - Remote Access to Substation Relays RTUs LTCs	333,321
720239 PRJ - Beard Tract Substation-SUB	3,249,031
721345 PRJ - 12kV Relay Replacements - Claus (Construction)	170,843

## 2021 Capital Budget Division Summary

### CAP - ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION

Project	2021 Adopted Budget
721346 PRJ - 12kV Relay Replacements - Lincoln (Construction)	126,106
721347 PRJ - 12kV Relay Replacements - Paradise (Construction)	155,029
721348 PRJ - Breaker Failure Protection - Mountain House	100,072
721349 PRJ - Breaker Failure Protection - Parker	36,730
721350 PRJ - Breaker Failure Protection - Rosemore	36,730
721351 PRJ - Breaker Failure Protection - Santa Cruz	115,001
721352 PRJ - Breaker Failure Protection - Westley	94,754
721353 PRJ - Geomagnetic Induced Currents Monitor	87,102
721354 PRJ - Mountain House Security	122,542
721355 PRJ - Roselle Feeder Installation	230,809
721356 PRJ - Station Panel Upgrade - Santa Cruz (Construction)	211,201
721357 PRJ - DC Fault Locator	9,000
721358 PRJ - Profile P3 Circuit Breaker Analyzer	19,500
7XX124 PRJ - Substation Improvements	333,122
7XX143 PRJ - Ground Grid Improvements	227,448
<b>CAP - 7082 CAP - Substation</b>	<b>5,658,340</b>
666012 PRJ - RC-Revenue Meter Equip	847,051
721359 PRJ - Transformer Shop Equipment Replacements	55,800
<b>CAP - 7084 CAP - Meter/Transformer</b>	<b>902,851</b>
<b>CAP - 70 CAP - ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION</b>	<b><u>20,851,297</u></b>

## 2021 Capital Budget Project Detail

**Division:** ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION  
**Project Number:** 666001

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

	2021 Adopted Budget
Labor & Benefits	580,719
Materials & Supplies	50,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	24,000
<b>Totals</b>	<b>654,719</b>

<b>Project Description</b>	Total capital costs of providing service to new customers. Various accounts are used to capture the costs based on the type of service requested.
<b>Project Justification</b>	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.
<b>Applicable Policy</b>	MID Business Plan; T&D Five-Year Plan; MID Service Rules; Obligation to serve

## 2021 Capital Budget Project Detail

**Division:** ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION  
**Project Number:** 666002

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

	2021 Adopted Budget
Labor & Benefits	245,447
Materials & Supplies	16,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	4,000
<b>Totals</b>	<b>265,447</b>

<b>Project Description</b>	Total capital costs of providing service to new customers. Various accounts are used to capture the costs based on the type of service requested.
<b>Project Justification</b>	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.
<b>Applicable Policy</b>	MID Business Plan; T&D Five-Year Plan; MID Service Rules; Obligation to serve

## 2021 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)

	2021 Adopted Budget
Labor & Benefits	17,031
Materials & Supplies	13,500
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	2,500
Totals	33,031

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<b>Project Description</b>	Total capital costs of providing service to new customers. Various accounts are used to capture the costs based on the type of service requested.
<b>Project Justification</b>	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.
<b>Applicable Policy</b>	MID Business Plan; T&D Five-Year Plan; MID Service Rules; Obligation to serve.

## 2021 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

	2021 Adopted Budget
Labor & Benefits	14,690
Materials & Supplies	900
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	500
<b>Totals</b>	<b>16,090</b>

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<b>Project Description</b>	Total capital costs of providing service to new customers. Various accounts are used to capture the costs based on the type of service requested.
<b>Project Justification</b>	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.
<b>Applicable Policy</b>	MID Business Plan; T&D Five-Year Plan; MID Service Rules; Obligation to serve



## 2021 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

	2021 Adopted Budget
Labor & Benefits	1,041,078
Materials & Supplies	280,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	18,000
<b>Totals</b>	<b>1,339,078</b>

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<b>Project Description</b>	Total capital costs of providing service to new customers. Various accounts are used to capture the costs based on the type of service requested.
<b>Project Justification</b>	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.
<b>Applicable Policy</b>	MID Business Plan; T&D Five-Year Plan, MID Service Rules; Obligation to serve

## 2021 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

	2021 Adopted Budget
Labor & Benefits	1,164,821
Materials & Supplies	330,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	16,000
<b>Totals</b>	<b>1,510,821</b>

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<b>Project Description</b>	Total capital costs of providing service to new customers. Various accounts are used to capture the costs based on the type of service requested.
<b>Project Justification</b>	This 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.
<b>Applicable Policy</b>	MID Business Plan; T&D Five-Year Plan; MID Service Rules; Obligation to serve

## 2021 Capital Budget Project Detail

**Division:** ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION  
**Project Number:** 666008

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

	2021 Adopted Budget
Labor & Benefits	643,490
Materials & Supplies	380,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	16,000
<b>Totals</b>	<b>1,039,490</b>

<b>Project Description</b>	Total capital costs of providing service to new customers. Various accounts are used to capture the costs based on the type of service requested.
<b>Project Justification</b>	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.
<b>Applicable Policy</b>	MID Business Plan; T&D Five-Year Plan; MID Service Rules; Obligation to serve

## 2021 Capital Budget Project Detail

**Division:** ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION  
**Project Number:** 666009

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

	2021 Adopted Budget
Labor & Benefits	694,359
Materials & Supplies	1,100,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	16,000
<b>Totals</b>	<b>1,810,359</b>

<b>Project Description</b>	Total capital costs of providing service to new customers. Various accounts are used to capture the costs based on the type of service requested.
<b>Project Justification</b>	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.
<b>Applicable Policy</b>	MID Business Plan; T&D Five-Year Plan; MID Service Rules; Obligation to serve

## 2021 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

Approved Budget in Prior Years	2,000,000			
Additional Amount Requested in Current Budget Year	2,000,000	2021		
Estimated Amount Required in Future Budget Cycles	1,350,800	Adopted		
Total Project Budget Inception to Completion	5,350,800	Budget		
		Labor & Benefits	0	
		Materials & Supplies	0	
		Outside Services	2,000,000	
		Seminars & Meetings	0	
		Administrative & General	0	
		MID Equipment	0	
		Totals	2,000,000	

<b>Project Description</b>	Paint poles and repair miscellaneous hardware issues with the Westley/Walnut/Parker 230kV transmission line. This project is for MID/TID jointly-owned poles from Westley Station to Redwood Junction. TID will manage the project for this jointly-owned section.
<b>Project Justification</b>	Due to large-scale corrosion issues identified on the tubular steel poles, repainting will extend the life of the Districts' assets. The project will encompass installation of scaffolding, shrink-wrapped containment, abrasive blasting, and coating with a three-coat paint system with a 30-year life expectancy and a 10-year warranty. The painting work will be performed by the successful bidding contractor. Any necessary pole line hardware repairs discovered as part of the project will be performed as part of this project.
<b>Applicable Policy</b>	T&D Five-Year Plan

## 2021 Capital Budget Project Detail

**Division:** ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION  
**Project Number:** 721341

**Department:** 7072 Line Construction  
**Project Title:** PRJ - Codoni Distribution Feeders

	2021 Adopted Budget
Labor & Benefits	357,936
Materials & Supplies	68,250
Outside Services	22,750
Seminars & Meetings	0
Administrative & General	0
MID Equipment	20,808
<b>Totals</b>	<b>469,744</b>

<b>Project Description</b>	Install necessary 12kV feeders for the new Codoni Substation.
<b>Project Justification</b>	Load growth in the Beard Tract Area has caused there to be invalid transformer and feeder contingencies. The Codoni feeders are needed to be able to restore all customers during contingencies.
<b>Applicable Policy</b>	T&D Five-Year Plan; Reliability

## 2021 Capital Budget Project Detail

**Division:** ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION  
**Project Number:** 721342

**Department:** 7072 Line Construction  
**Project Title:** PRJ - Motor Operated Switch Replacements

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	2021 Adopted Budget
Labor & Benefits	14,112
Materials & Supplies	30,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	950
Totals	45,062

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**Project Description**      Replace 3 old Motor Operated Switches (MOS) with manual switches.

**Project Justification**      These MOS are becoming obsolete making them difficult to repair due to lack of parts. Since fast switching isn't necessary, it is more cost effective to replace the existing MOS with manual switches.

**Applicable Policy**      T&D Five-Year Plan; Reliability

## 2021 Capital Budget Project Detail

**Division:** ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION  
**Project Number:** 721343

**Department:** 7072 Line Construction  
**Project Title:** PRJ - New Roselle Feeder

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	2021 Adopted Budget
Labor & Benefits	27,574
Materials & Supplies	9,136
Outside Services	1,500
Seminars & Meetings	0
Administrative & General	0
MID Equipment	3,000
<b>Totals</b>	<b>41,210</b>

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**Project Description**      A new feeder will be added to the Roselle Substation.

**Project Justification**      Create capacity for Sylvan B54 feeder contingency due to new residential and commercial load growth by offloading Roselle B48.

**Applicable Policy**      T&D Five-Year Plan; Reliability



## 2021 Capital Budget Project Detail

**Division:** ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION  
**Project Number:** 721344

**Department:** 7072 Line Construction  
**Project Title:** PRJ - 15 Ton Battery Press

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	63,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>63,000</b>

**Project Description**      15 ton battery presses for Line Construction crew trucks.

**Project Justification**      Purchase 15 ton battery presses for all ten of the Line Crews to carry on their line trucks. This would give the crews the ability to respond to and make emergency repairs, replacement and maintenance on all overhead conductors 636 MCM and below; and all underground conductors of 1,100 and below.

**Applicable Policy**      Reliability

## 2021 Capital Budget Project Detail

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

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

	2021 Adopted Budget
Labor & Benefits	495,486
Materials & Supplies	345,000
Outside Services	24,250
Seminars & Meetings	0
Administrative & General	0
MID Equipment	17,250
<b>Totals</b>	<b>881,986</b>

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

## 2021 Capital Budget Project Detail

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

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

	2021 Adopted Budget
Labor & Benefits	161,453
Materials & Supplies	0
Outside Services	770,475
Seminars & Meetings	0
Administrative & General	0
MID Equipment	4,300
<b>Totals</b>	<b>936,228</b>

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

## 2021 Capital Budget Project Detail

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

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

	2021 Adopted Budget
Labor & Benefits	174,898
Materials & Supplies	67,500
Outside Services	4,500
Seminars & Meetings	0
Administrative & General	0
MID Equipment	10,000
Totals	256,898

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<b>Project Description</b>	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.
<b>Project Justification</b>	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.
<b>Applicable Policy</b>	Legal Requirement

## 2021 Capital Budget Project Detail

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

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

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	2021 Adopted Budget
Labor & Benefits	349,759
Materials & Supplies	70,000
Outside Services	270,000
Seminars & Meetings	0
Administrative & General	7,000
MID Equipment	17,000
Totals	713,759

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**Project Description**      Install conduits for direct buried primary and secondary cable throughout the District.

**Project Justification**      In the mid-1990's, 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

## 2021 Capital Budget Project Detail

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

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

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	2021 Adopted Budget
Labor & Benefits	261,667
Materials & Supplies	84,340
Outside Services	7,000
Seminars & Meetings	0
Administrative & General	0
MID Equipment	17,500
<b>Totals</b>	<b>370,507</b>

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**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.

## 2021 Capital Budget Project Detail

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

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

	2021 Adopted Budget
Labor & Benefits	62,556
Materials & Supplies	7,140
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	2,800
Totals	72,496

<b>Project Description</b>	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.
<b>Project Justification</b>	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.
<b>Applicable Policy</b>	MID Business Plan (environmental protection)

## 2021 Capital Budget Project Detail

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

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

	2021 Adopted Budget
Labor & Benefits	97,622
Materials & Supplies	41,580
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	5,600
<b>Totals</b>	<b>144,802</b>

<b>Project Description</b>	Various improvements to the primary system (12kV, 17kV, 21kV) throughout the District service territory.
<b>Project Justification</b>	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.
<b>Applicable Policy</b>	Reliability; Public Safety



## 2021 Capital Budget Project Detail

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

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

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	2021 Adopted Budget
Labor & Benefits	760,074
Materials & Supplies	83,400
Outside Services	6,000
Seminars & Meetings	0
Administrative & General	0
MID Equipment	34,000
<b>Totals</b>	<b>883,474</b>

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**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; Public Safety

## 2021 Capital Budget Project Detail

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

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

	2021 Adopted Budget
Labor & Benefits	273,031
Materials & Supplies	109,920
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	8,000
<b>Totals</b>	<b>390,951</b>

**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

## 2021 Capital Budget Project Detail

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

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

	2021 Adopted Budget
Labor & Benefits	273,031
Materials & Supplies	68,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	9,920
<b>Totals</b>	<b>350,951</b>

<b>Project Description</b>	Replace locally controlled distribution line capacitor banks with new automated controlled capacitor banks.
<b>Project Justification</b>	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.
<b>Applicable Policy</b>	T&D Five-Year Plan; Reliability

## 2021 Capital Budget Project Detail

**Division:** ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION  
**Project Number:** 719963

**Department:** 7082 Substation  
**Project Title:** PRJ - Remote Access to Substation Relays RTUs LTCs

Approved Budget in Prior Years	1,033,568
Additional Amount Requested in Current Budget Year	333,321
Total Project Budget Inception to Completion	1,366,889

	2021 Adopted Budget
Labor & Benefits	306,321
Materials & Supplies	9,000
Outside Services	18,000
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>333,321</b>

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<b>Project Description</b>	Add remote access for all Substation Relays, Remote Terminal Units (RTUs), and Load Tap Changers (LTCs) and add Satellite-Synchronized Clocks at each station for these devices.
<b>Project Justification</b>	Establishing remote access to these devices will provide event records, fault locations, access to equipment settings and the ability to troubleshoot problems remotely. Currently, in order to obtain this information, Substation personnel must physically go to the Substation in question and manually collect the information. Having remote access will allow for immediate access to event details in greater detail. This will improve the reliability on the system and eliminate the need to send personnel on site to obtain the information. The clocks are needed to analyze the correct operation of protective relays, breakers, LTCs, communication equipment, generators, and capacitors during faults and disturbances. The relays and RTUs will all be on the same time so multiple event reports can be analyzed concurrently. All utilities have their intertie substations with their relays and RTUs on satellite clocks for proper synchronization of events.
<b>Applicable Policy</b>	Reliability

## 2021 Capital Budget Project Detail

**Division:** ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION  
**Project Number:** 720239

**Department:** 7082 Substation  
**Project Title:** PRJ - Beard Tract Substation-SUB

Approved Budget in Prior Years	5,547,469
Additional Amount Requested in Current Budget Year	3,249,031
Total Project Budget Inception to Completion	8,796,500

	2021 Adopted Budget
Labor & Benefits	828,481
Materials & Supplies	374,550
Outside Services	2,030,000
Seminars & Meetings	0
Administrative & General	0
MID Equipment	16,000
<b>Totals</b>	<b>3,249,031</b>

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<b>Project Description</b>	Build a new substation containing (1) 69/12kV 12 MVA transformer and (1) 12kV 3.6MVAR cap bank.
<b>Project Justification</b>	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.
<b>Applicable Policy</b>	Reliability; T&D Five-Year Plan; Obligation to Serve

## 2021 Capital Budget Project Detail

**Division:** ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION  
**Project Number:** 721345

**Department:** 7082 Substation  
**Project Title:** PRJ - 12kV Relay Replacements - Claus (Construction)

	2021 Adopted Budget
Labor & Benefits	164,843
Materials & Supplies	5,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	1,000
<b>Totals</b>	<b>170,843</b>

<b>Project Description</b>	Replace the 12kV electromechanical feeder relays with microprocessor relays at Claus Substation.
<b>Project Justification</b>	The existing feeder relays require more maintenance, are less reliable, and have less functionality. Microprocessor relays have none of these disadvantages and also provide Engineering with detailed fault event reports, alarming functions, and automated reclosing and load shedding program implementation.
<b>Applicable Policy</b>	T&D Five-Year Plan; Reliability

## 2021 Capital Budget Project Detail

**Division:** ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION  
**Project Number:** 721346

**Department:** 7082 Substation  
**Project Title:** PRJ - 12kV Relay Replacements - Lincoln (Construction)

	2021 Adopted Budget
Labor & Benefits	93,956
Materials & Supplies	31,150
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	1,000
<b>Totals</b>	<b>126,106</b>

<b>Project Description</b>	Replace the 12kV electromechanical feeder relays with microprocessor relays at Lincoln Substation.
<b>Project Justification</b>	The existing feeder relays require more maintenance, are less reliable, and have less functionality. Microprocessor relays have none of these disadvantages and also provide Engineering with detailed fault event reports, alarming functions, and automated reclosing and load shedding program implementation.
<b>Applicable Policy</b>	T&D Five-Year Plan; Reliability

## 2021 Capital Budget Project Detail

**Division:** ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION  
**Project Number:** 721347

**Department:** 7082 Substation  
**Project Title:** PRJ - 12kV Relay Replacements - Paradise (Construction)

	2021 Adopted Budget
Labor & Benefits	120,479
Materials & Supplies	33,550
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	1,000
<b>Totals</b>	<b>155,029</b>

<b>Project Description</b>	Replace the 12kV electromechanical feeder relays with microprocessor relays at Paradise Substation.
<b>Project Justification</b>	The existing feeder relays require more maintenance, are less reliable, and have less functionality. Microprocessor relays have none of these disadvantages and also provide Engineering with detailed fault event reports, alarming functions, and automated reclosing and load shedding program implementation.
<b>Applicable Policy</b>	T&D Five-Year Plan; Reliability



## 2021 Capital Budget Project Detail

**Division:** ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION  
**Project Number:** 721348

**Department:** 7082 Substation  
**Project Title:** PRJ - Breaker Failure Protection - Mountain House

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	2021 Adopted Budget
Labor & Benefits	91,822
Materials & Supplies	7,750
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	500
<b>Totals</b>	<b>100,072</b>

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**Project Description**      Install Breaker Failure Relays at Mountain House Substation.

**Project Justification**      There are unprotected zones of protection during breaker failure scenarios which would cause major equipment damage. There are also long clearing times during other breaker failure scenarios that would negatively affect generation and customers. By installing breaker failure relays, the unprotected zones are now protected and the long clearing times are extremely reduced.

**Applicable Policy**      T&D Five-Year Plan; Reliability

## 2021 Capital Budget Project Detail

**Division:** ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION  
**Project Number:** 721349

**Department:** 7082 Substation  
**Project Title:** PRJ - Breaker Failure Protection - Parker

	2021 Adopted Budget
Labor & Benefits	35,230
Materials & Supplies	1,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	500
<b>Totals</b>	<b>36,730</b>

<b>Project Description</b>	Install Breaker Failure Transfer Trip Logic at Parker Substation.
<b>Project Justification</b>	There are unprotected zones of protection during breaker failure scenarios which would cause major equipment damage. There are also long clearing times during other breaker failure scenarios that would negatively affect generation and customers. By installing breaker failure relays, the unprotected zones are now protected and the long clearing times are extremely reduced.
<b>Applicable Policy</b>	T&D Five-Year Plan; Reliability

## 2021 Capital Budget Project Detail

**Division:** ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION  
**Project Number:** 721350

**Department:** 7082 Substation  
**Project Title:** PRJ - Breaker Failure Protection - Rosemore

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	2021 Adopted Budget
Labor & Benefits	35,230
Materials & Supplies	1,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	500
<b>Totals</b>	<b>36,730</b>

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<b>Project Description</b>	Install Breaker Failure Transfer Trip Logic at Rosemore Substation.
<b>Project Justification</b>	There are unprotected zones of protection during breaker failure scenarios which would cause major equipment damage. There are also long clearing times during other breaker failure scenarios that would negatively affect generation and customers. By installing breaker failure relays, the unprotected zones are now protected and the long clearing times are extremely reduced.
<b>Applicable Policy</b>	T&D Five-Year Plan; Reliability

## 2021 Capital Budget Project Detail

**Division:** ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION  
**Project Number:** 721351

**Department:** 7082 Substation  
**Project Title:** PRJ - Breaker Failure Protection - Santa Cruz

	2021 Adopted Budget
Labor & Benefits	98,001
Materials & Supplies	16,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	1,000
<b>Totals</b>	<b>115,001</b>

**Project Description**      Install Breaker Failure Relays at Santa Cruz Substation.

**Project Justification**      There are unprotected zones of protection during breaker failure scenarios which would cause major equipment damage. There are also long clearing times during other breaker failure scenarios that would negatively affect generation and customers. By installing breaker failure relays, the unprotected zones are now protected and the long clearing times are extremely reduced.

**Applicable Policy**      T&D Five-Year Plan; Reliability

## 2021 Capital Budget Project Detail

**Division:** ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION  
**Project Number:** 721352

**Department:** 7082 Substation  
**Project Title:** PRJ - Breaker Failure Protection - Westley

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	2021 Adopted Budget
Labor & Benefits	93,254
Materials & Supplies	1,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	500
<b>Totals</b>	<b>94,754</b>

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**Project Description**      Install Breaker Failure Transfer Trip Logic at Westley Switchyard.

**Project Justification**      There are long clearing times during breaker failure scenarios that negatively affect neighboring utilities, generation, and customers. By installing the breaker failure transfer trip logic, the long clearing times are extremely reduced.

**Applicable Policy**      T&D Five-Year Plan; Reliability

## 2021 Capital Budget Project Detail

**Division:** ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION  
**Project Number:** 721353

**Department:** 7082 Substation  
**Project Title:** PRJ - Geomagnetic Induced Currents Monitor

	2021 Adopted Budget
Labor & Benefits	66,602
Materials & Supplies	20,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	500
<b>Totals</b>	<b>87,102</b>

<b>Project Description</b>	Install Geomagnetic Induced Current (GIC) Sensors on the 230/69kV Transformer neutrals at Parker and Rosemore Substations.
<b>Project Justification</b>	As part of the requirements to TPL-007-3 within the BANC Planning Coordinator area, MID will install GIC sensors to the Parker and Rosemore 230/69kV transformer to provide data for analysis and future modelling of the Bulk Electric System's response to Geomagnetic Disturbance events.
<b>Applicable Policy</b>	NERC

## 2021 Capital Budget Project Detail

**Division:** ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION  
**Project Number:** 721354

**Department:** 7082 Substation  
**Project Title:** PRJ - Mountain House Security

	2021 Adopted Budget
Labor & Benefits	40,542
Materials & Supplies	51,000
Outside Services	30,000
Seminars & Meetings	0
Administrative & General	0
MID Equipment	1,000
<b>Totals</b>	<b>122,542</b>

<b>Project Description</b>	This project will add perimeter security at the Mountain House Substation and enhance the existing perimeter security system in the Mountain House storage yard.
<b>Project Justification</b>	The expansion and 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.
<b>Applicable Policy</b>	T&D Five-Year Plan; Reliability

## 2021 Capital Budget Project Detail

**Division:** ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION  
**Project Number:** 721355

**Department:** 7082 Substation  
**Project Title:** PRJ - Roselle Feeder Installation

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	2021 Adopted Budget
Labor & Benefits	141,609
Materials & Supplies	84,200
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	5,000
<b>Totals</b>	<b>230,809</b>

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**Project Description**      Add a new feeder to Roselle Substation.

**Project Justification**      Create capacity for Sylvan B54 feeder contingency due to new residential and commercial load growth by offloading Roselle B48.

**Applicable Policy**      T&D Five-Year Plan; Reliability



## 2021 Capital Budget Project Detail

**Division:** ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION  
**Project Number:** 721356

**Department:** 7082 Substation  
**Project Title:** PRJ - Station Panel Upgrade - Santa Cruz (Construction)

	2021 Adopted Budget
Labor & Benefits	200,416
Materials & Supplies	9,785
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	1,000
<b>Totals</b>	<b>211,201</b>

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<b>Project Description</b>	Install 3 new panel boards for Santa Cruz Substation AC/DC systems so there can be more breaker positions for growth or equipment upgrades. Install a battery disconnect switch, remove the existing AC/DC panels and re-arrange existing equipment to allow for adequate spacing.
<b>Project Justification</b>	Additional circuit breaker positions are needed at Santa Cruz in both AC and DC panels to continue reliable station operation and maintenance tasks. This will give the Santa Cruz Substation a reliable AC and DC source to avoid tapping off a breaker that is already used and reducing reliability.
<b>Applicable Policy</b>	T&D Five-Year Plan; Reliability

## 2021 Capital Budget Project Detail

**Division:** ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION  
**Project Number:** 721357

**Department:** 7082 Substation  
**Project Title:** PRJ - DC Fault Locator

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	9,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>9,000</b>

**Project Description** Eagle Eye GFL-1000 fault locator for Substation Department.

**Project Justification** Substation's DC circuitry to breakers and other devices run through below grade trenches, conduit and raceways from the station control building to individual equipment located throughout the station yard. These pathways get flooded with rainwater which results in DC to ground conditions being detected at the battery charger and transmitted to SCADA. The existing procedure is to take each individual breaker out of service via switching requests and attempt to isolate the fault. With many stations designed and built with "daisy chained" DC paths to multiple circuit breakers, it is difficult to isolate the individual fault location. The Eagle Eye GFL-1000 will provide a troubleshooting method that can safely be used with the equipment remaining in service to determine which path has the fault. This will result in much quicker and accurate fault location within the station without reducing system reliability.

**Applicable Policy** Reliability

## 2021 Capital Budget Project Detail

**Division:** ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION  
**Project Number:** 721358

**Department:** 7082 Substation  
**Project Title:** PRJ - Profile P3 Circuit Breaker Analyzer

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	19,500
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>19,500</b>

**Project Description**      Circuit Breaker Analyzer for Substation Department.

**Project Justification**      The Substation Department currently uses circuit breaker analyzer equipment to perform annual maintenance on substation equipment. The advantage of using the P3 is to get a true condition of the circuit breaker by capturing the First Trip. In capturing this information it gives an immediate on-site analysis with an easy to read graph. This equipment is used to prevent any major damage to substation equipment and personnel. The Substation Department currently has 2 of these units that are in use almost daily, with the age of the existing units and the annual need to have them calibrated and/or repaired; the addition of a third unit is needed to improve productivity and efficiency. The two existing units are around 10 years old, so adding a new unit now is a good strategy for future end of life replacement.

**Applicable Policy**          Reliability

## 2021 Capital Budget Project Detail

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

**Department:** 7082 Substation  
**Project Title:** PRJ - Substation Improvements

	2021 Adopted Budget
Labor & Benefits	178,122
Materials & Supplies	151,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	4,000
<b>Totals</b>	<b>333,122</b>

<b>Project Description</b>	Improvements to various substation equipment that experience unexpected failures.
<b>Project Justification</b>	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, and capacitor banks, which must be capitalized.
<b>Applicable Policy</b>	Reliability

## 2021 Capital Budget Project Detail

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

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

	2021 Adopted Budget
Labor & Benefits	166,248
Materials & Supplies	40,200
Outside Services	17,000
Seminars & Meetings	0
Administrative & General	0
MID Equipment	4,000
<b>Totals</b>	<b>227,448</b>

**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 the public.

**Applicable Policy**      Public Safety; T&D Five-Year Plan

## 2021 Capital Budget Project Detail

**Division:** ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION  
**Project Number:** 666012

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

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	2021 Adopted Budget
Labor & Benefits	105,051
Materials & Supplies	740,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	2,000
<b>Totals</b>	<b>847,051</b>

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**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.

**Applicable Policy**        MID Business Plan; T&D Five-Year Plan; MID Service Rules; Obligation to serve.

## 2021 Capital Budget Project Detail

**Division:** ELECTRIC TRANSMISSION AND DISTRIBUTION DIVISION  
**Project Number:** 721359

**Department:** 7084 Meter/Transformer  
**Project Title:** PRJ - Transformer Shop Equipment Replacements

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	55,800
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>55,800</b>

**Project Description**      Replace old and failed equipment in the Transformer Shop.

**Project Justification**      The testing equipment in the transformer room ranges from 15-50 years old. The insulation tester, which is around 15 years old, has been broken for a year, and the transformer shop has had to borrow one from the Substation Department. The oil test set is around 50 years old. Megger brand has been in use for many years, and has shown itself to be reliable and low maintenance.

**Applicable Policy**      Reliability

**Water Operations**

**Capital**



## 2021 Capital Budget Division Summary

### CAP - WATER OPERATIONS DIVISION

Project	2021 Adopted Budget
7XX114 PRJ - Don Pedro Recreation Agency	229,592
<b>CAP - 8010 CAP - Water Operations</b>	<b>229,592</b>
721360 PRJ - La Grange Domestic Water Project Improvements	750,000
7XX115 PRJ - District Pipeline Repl	537,339
7XX116 PRJ - Pump Modernization	560,867
7XX118 PRJ - Overpour Weirs	318,722
7XX125 PRJ - Morton Fill Rehab	75,000
7XX126 PRJ - SCADA Automation	100,000
7XX137 PRJ - Measuring Gate Calibration	62,915
<b>CAP - 8040 CAP - Irrigation Services</b>	<b>2,404,843</b>
 <b>CAP - 80 CAP - WATER OPERATIONS DIVISION</b>	 <b><u><u>2,634,435</u></u></b>



## 2021 Capital Budget Project Detail

**Division:** WATER OPERATIONS DIVISION  
**Project Number:** 7XX114

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

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	0
Outside Services	229,592
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>229,592</b>

<b>Project Description</b>	MID portion of the capital budget for the Don Pedro Recreation Agency.
<b>Project Justification</b>	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%. Increase due to \$1 million Swimming Lagoon Filtration.
<b>Applicable Policy</b>	Don Pedro Recreation Agency Operating Agreement - MID Board Resolution 87-164



## 2021 Capital Budget Project Detail

**Division:** WATER OPERATIONS DIVISION  
**Project Number:** 721360

**Department:** 8040 Irrigation Services  
**Project Title:** PRJ - La Grange Domestic Water Project Improvements

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	750,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	750,000

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**Project Description**      Phase 2 construction and replacement of raw water intake system and tank per agreement with TID.



## 2021 Capital Budget Project Detail

**Division:** WATER OPERATIONS DIVISION  
**Project Number:** 7XX115

**Department:** 8040 Irrigation Services  
**Project Title:** PRJ - District Pipeline Repl

	2021 Adopted Budget
Labor & Benefits	285,139
Materials & Supplies	247,200
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	5,000
<b>Totals</b>	<b>537,339</b>

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**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.

## 2021 Capital Budget Project Detail

**Division:** WATER OPERATIONS DIVISION  
**Project Number:** 7XX116

**Department:** 8040 Irrigation Services  
**Project Title:** PRJ - Pump Modernization

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	2021 Adopted Budget
Labor & Benefits	25,867
Materials & Supplies	53,000
Outside Services	477,000
Seminars & Meetings	0
Administrative & General	0
MID Equipment	5,000
<b>Totals</b>	<b>560,867</b>

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**Project Description**      Pump rehabilitation and modernization generally consistent with recommendations presented in 2007 Wellfield Optimization Project.

**Project Justification**      Necessary to ensure optimum operational efficiency.



## 2021 Capital Budget Project Detail

**Division:** WATER OPERATIONS DIVISION  
**Project Number:** 7XX118

**Department:** 8040 Irrigation Services  
**Project Title:** PRJ - Overpour Weirs

	2021 Adopted Budget
Labor & Benefits	197,572
Materials & Supplies	108,150
Outside Services	8,000
Seminars & Meetings	0
Administrative & General	0
MID Equipment	5,000
<b>Totals</b>	<b>318,722</b>

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**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**      Accurate flow measurement and control allows for improved water management and conservation.



## 2021 Capital Budget Project Detail

**Division:** WATER OPERATIONS DIVISION  
**Project Number:** 7XX125

**Department:** 8040 Irrigation Services  
**Project Title:** PRJ - Morton Fill Rehab

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	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	75,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>75,000</b>

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**Project Description**      The Waterford Lower Main Lining Project is an ongoing effort to concrete line the entire length of the Waterford Lower Main Canal.

**Project Justification**      Concrete lining may reduce seepage.

## 2021 Capital Budget Project Detail

**Division:** WATER OPERATIONS DIVISION  
**Project Number:** 7XX126

**Department:** 8040 Irrigation Services  
**Project Title:** PRJ - SCADA Automation

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	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	50,000
Outside Services	50,000
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>100,000</b>

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<b>Project Description</b>	Completion of critical SCADA site upgrades and new installations in accordance with the Comprehensive Water Resources Management Plan (CWRMP).
<b>Project Justification</b>	Consistent with Comprehensive Water Resources Management Plan





## 2021 Capital Budget Project Detail

**Division:** WATER OPERATIONS DIVISION  
**Project Number:** 7XX137

**Department:** 8040 Irrigation Services  
**Project Title:** PRJ - Measuring Gate Calibration

	2021 Adopted Budget
Labor & Benefits	32,015
Materials & Supplies	30,900
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>62,915</b>

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**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**

## 2021 Capital Budget Division Summary

### CAP - DOMESTIC WATER DIVISION

Project	2021 Adopted Budget
721361 PRJ - New Office Area Carpeting	15,000
721362 PRJ - Boom Lift	100,000
721363 PRJ - Replace Turbimeters	105,000
721364 PRJ - TRPS Air Conditioner	75,000
721365 PRJ - SCADA PC's Server Upgrades	150,000
721366 PRJ - Chemical Dose Automation	100,000
721367 PRJ - Filter Basin Replacement	350,000
721368 PRJ - Parker THM Analyzer	50,000
721369 PRJ - Ion Selective Electrode Benchtop Meter	7,000
721370 PRJ - New Flooring	30,000
721371 PRJ - New Faucets	5,000
<b>CAP - 8150 CAP - Modesto Domestic Water</b>	<b>987,000</b>
<b>CAP - 81 CAP - DOMESTIC WATER DIVISION</b>	<b>987,000</b>



## 2021 Capital Budget Project Detail

**Division:** DOMESTIC WATER DIVISION  
**Project Number:** 721361

**Department:** 8150 Modesto Domestic Water  
**Project Title:** PRJ - New Office Area Carpeting

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	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	15,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>15,000</b>

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**Project Description**      Replace carpet in office areas.

**Project Justification**      Carpet is original and lifting up in some areas; potential trip hazard.



## 2021 Capital Budget Project Detail

**Division:** DOMESTIC WATER DIVISION  
**Project Number:** 721362

**Department:** 8150 Modesto Domestic Water  
**Project Title:** PRJ - Boom Lift

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	100,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>100,000</b>

**Project Description**      Purchase boom lift for WTP maintenance.

**Project Justification**      Eliminate rental fees and have lift readily available for major maintenance repairs.



## 2021 Capital Budget Project Detail

**Division:** DOMESTIC WATER DIVISION  
**Project Number:** 721363

**Department:** 8150 Modesto Domestic Water  
**Project Title:** PRJ - Replace Turbimeters

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	105,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>105,000</b>

**Project Description**      Replace turbidimeters.

**Project Justification**      Current turbidimeters are outdated and no longer have support.



## 2021 Capital Budget Project Detail

**Division:** DOMESTIC WATER DIVISION  
**Project Number:** 721364

**Department:** 8150 Modesto Domestic Water  
**Project Title:** PRJ - TRPS Air Conditioner

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	75,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>75,000</b>

**Project Description**      Replace TRPS A/C.

**Project Justification**      A/C unit at the Terminal Reservoir Pump Station is outdated.



## 2021 Capital Budget Project Detail

**Division:** DOMESTIC WATER DIVISION  
**Project Number:** 721365

**Department:** 8150 Modesto Domestic Water  
**Project Title:** PRJ - SCADA PC's Server Upgrades

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	150,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>150,000</b>

**Project Description**      Upgrades for SCADA PC's/Server upgrades.

**Project Justification**      SCADA PC's and servers are original systems; upgrade needed in order to automate plant components.





## 2021 Capital Budget Project Detail

**Division:** DOMESTIC WATER DIVISION  
**Project Number:** 721366

**Department:** 8150 Modesto Domestic Water  
**Project Title:** PRJ - Chemical Dose Automation

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	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	100,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
Totals	100,000

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**Project Description**      Install components to automate the chemical delivery systems.

**Project Justification**      Chemical dose automation will automate and more accurately report individual process usages and generate reports for the state.



## 2021 Capital Budget Project Detail

**Division:** DOMESTIC WATER DIVISION  
**Project Number:** 721367

**Department:** 8150 Modesto Domestic Water  
**Project Title:** PRJ - Filter Basin Replacement

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	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	350,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>350,000</b>

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**Project Description**      Filter basin replacement.

**Project Justification**      Current filter media and under drains are at the end of useful life.



## 2021 Capital Budget Project Detail

**Division:** DOMESTIC WATER DIVISION  
**Project Number:** 721368

**Department:** 8150 Modesto Domestic Water  
**Project Title:** PRJ - Parker THM Analyzer

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	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	50,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>50,000</b>

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**Project Description**      Purchase Parker THM Analyzer

**Project Justification**      Purchase of a THM analyzer gives us the ability to test Trihalomethanes in-house rather than relying on outside labs with a longer turn around time.



## 2021 Capital Budget Project Detail

**Division:** DOMESTIC WATER DIVISION  
**Project Number:** 721369

**Department:** 8150 Modesto Domestic Water  
**Project Title:** PRJ - Ion Selective Electrode Benchtop Meter

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	7,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>7,000</b>

**Project Description**      Purchase new Ion Selective Electrode benchtop meter.

**Project Justification**      The Orion benchtop meter is the original meter from 1995 and the technology is unsupported.



## 2021 Capital Budget Project Detail

**Division:** DOMESTIC WATER DIVISION  
**Project Number:** 721370

**Department:** 8150 Modesto Domestic Water  
**Project Title:** PRJ - New Flooring

	2021 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 flooring in WTP lab.

**Project Justification**      The rubber lab flooring is the original and has normal wear and tear.



## 2021 Capital Budget Project Detail

**Division:** DOMESTIC WATER DIVISION  
**Project Number:** 721371

**Department:** 8150 Modesto Domestic Water  
**Project Title:** PRJ - New Faucets

	2021 Adopted Budget
Labor & Benefits	0
Materials & Supplies	5,000
Outside Services	0
Seminars & Meetings	0
Administrative & General	0
MID Equipment	0
<b>Totals</b>	<b>5,000</b>

**Project Description**      Replace new faucets in WTP lab.

**Project Justification**      Lab faucets are original and corroding/leaking.