ACWD CAPITAL IMPROVEMENT PROGRAM - DRAFT
REFLECTS ESTIMATED EXPENDITURES FOR FY2022-23 AND PROPOSED BUDGET FOR FY 2023-24 and FY 2024-25
FY 24/25 AND LATER PROJECTS IN 2023 DOLLARS
ALL BUDGETS ($) PRESENTED IN THOUSANDS

Item	CIP No	FRF	FIF	Priority	Title	Estimate 22-23	Year 1 23-24	Year 2 24-25	25-26	26-27	27-28	28-29	29-30	30-31	31-32	32-33	33-34	34-35	35-36	36-37	37-38	38-39	39-40	40-41	41-42	42-43	43-44	44-45	45-46	46-47	47-48	2 YR Total	10 YR Total	25 YR Total
1	EE01.61	No	0.2	C	Integrated Resources Planning - Extraordinary Expense	150	300	300	300	200																						600	1,100	1,100
2	EE01.64	No	0.2	C	IRP - Lake Del Valle		0	0																										
3	EE01.63	No	0.2	C	Los Vaqueros Reservoir Expansion Project	1,548	1,239	637	656	675	696	716	738	5,095	5,248	5,406	5,568	5,735	5,907	6,084	6,267	6,455	6,648	6,848	7,053	7,265	7,483	7,707	7,938	8,177	8,422	1,876	21,106	124,661
4	MD60.05	Yes	0.1	C	Advanced Metering Infrastructure	8,553	6,327	9,327	9,683	1,100																		18,000	18,000			15,655	26,438	62,438
5	EE01.65	No	0.2	A	2019 Joint Purified Water Feasibility Evaluation	236	20	0																								20	20	20
6	YI02.04	Yes	0.2	B	Clean Energy Plan Implementation	339	188	102	107																							290	397	397
7	GA10.01	Yes	0.2	C	Quarry Lakes Parkway Improvements and ACWD Water Main Relo	225	0	0																								0	0	0
8	GG06.01B	Yes	0.2	C	Monitoring Well Construction Project	0	7	7				20	300																			13	333	333
9	GG70.01	No	0.5	B	Alternative Update and Model Upgrade Project	30	194	271	1,900																							465	2,365	2,365
10	AK01.67	Yes	0.0	B	IT Enterprise Software Upgrades - JD Edwards	0	0	300	1,500	1,500				300					350					400					500			300	3,600	4,850
11	GG50.07	No	0.0	A	Groundwater PFAs Sampling and Source Investigation	100	129	129																								258	258	258
12	AK01.04	No	0.0	A	Cityworks Interface DMD	50	25	0																								25	25	25
13	AK01.66	No	0.0	A	IT Enterprise Software Upgrades - Cityworks	50	0	70		70			70		70			70		70			70			70			70			70	280	630
14	MD01.04	No	0.2	B	Asbestos Cement Pipe Assessment Update	34	101	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	201	201	201
15	GG41.03B	No	0.0	A	Rubber Dam 1 - Fish Ladder Miscellaneous Safety Modifications	40	126	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	126	126	126
16	GG05.01	Yes	0.0	B	Vallecitos Channel Storm Damage Repairs		459	0																								459	459	459
17	GG05.01	Yes	0.2	A	Vallecitos Channel Betterments	75	113	45	42	42	31	21	86	21	50																	159	452	452
18	GG41.01B	Yes	0.2	A	Rubber Dam No. 1 - Fabric Replacement, Control Building & Equip	158	27	0																								27	27	27
19	GG41.03B	Yes	0.2	A	Rubber Dam 1 - Fish Ladder	1,170	80	0																								80	80	80
20	GG13.01B	Yes	0.2	A	Shinn Pond Fish Screen	715	27	0																								27	27	27
21	MD02.02	Yes	0.0	A	Water Meter Replacements - Medium Meters	4	6	6	6	6	6	6	6	6																		12	48	48
22	MD02.01	Yes	0.0	A	Water Meter Replacements - Large Meters	20	30	30	40	40	40	40	40	40																		60	300	300
23	MD01.01	Yes	0.0	A	Service Line Emergency Replacement Program	2,428	1,500	1,500	1,500	1,500	1,500	2,428	2,428	2,428	2,428	2,428																3,000	19,640	19,640
24	MD01.02	Yes	0.0	A	Service Line Incidental Replacement Program	169	140	140	140	140	140	169	169	169	169	169	169															280	1,546	1,715
25	YI01.03B	Yes	0.0	C	Watershed SCADA additions to Distribution SCADA	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	AK01.04B	Yes	0.2	B	IT - Cityworks for Groundwater Permits	35	30	0																								30	30	30
27	GA60.02	Yes	0.0	B	Montecito Well Site Demolition		0	0										385														0	0	385
28	GG42.03	Yes	0.0	A	Rubber Dam 2 - Larinier Fishway		0	0	500	500																						0	1,000	1,000
29	PJ02.08B	Yes	0.2	B	WTP2 Process Basin Concrete Grouting	0	0	0	84		962																					0	1,046	1,046
30	ST07.52	Yes	0.2	A	Avalon Tank Slope Stabilization Improvements	2,688	0	0																								0	0	0
31	SR06.50	Yes	0.2	A	Patterson Reservoir Remediation Project	0	464	674	1,147																							1,138	2,285	2,285
32	GG03.05	Yes	0.0	B	Pit T-2 Slope Rehabilitation		0	0	20					20																		0	40	40
33	MD50.01B	Yes	0.0	A	Inserta Valve Insertion Equipment	30	35	35	35	35	35	35	35	35	35	35																70	350	350
34	MM80.11	Yes	0.2	B	Main Renewal - Small Diameter Pipeline Renewal	1,050	0	0																								0	0	0
35	MM8006	Yes	0.2	A	Alvarado Niles Seismic Improvement Project - Main Renewal	1,962	2,304	3,189	6,281	9,000	2,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	5,493	22,775	22,775
36	BB08.51	Yes	0.2	B	Washington Booster Improvements (Phase 1 and 2)	15	238	0																								238	238	238
37	YI01.02B	Yes	0.0	B	Distribution PLC Upgrade Program	579	916	0	0	816	1,395	816	1,395	816	1,395	816	1,395	816	1,395	816	1,395	816	1,395	816	1,395	816	1,395	816	1,395	816	1,395	916	8,365	25,237
38	MM80.07	Yes	0.2	B	Main Renewal - MR1 Driscoll	0	2,360	2,023	5,860	8,500																						4,382	18,742	18,742
39	PJ02.12	Yes	0.0	A	TP2 Filter Press Polymer System Upgrade	0	0	153																								153	153	153
40	MD01.11	No	0.0	B	Service Lines - Lead Evaluation	81	102	102																								205	205	205
41	MM80.08	Yes	0.2	A	Main Renewal - MR3 Central Newark	100	961	2,685	3,500	1,000	3,028	11,198	11,198																			3,646	33,570	33,570
42	EE02.01B	Yes	0.2	B	Engineering Report for CIP	10	253	158																								411	411	411
43	BB02.03B	Yes	0.2	B	Curtner Road Booster Station Upgrade	5,437	2,585	0																								2,585	2,585	2,585
44	YI05.02B	Yes	0.0	A	Communications Projects - Production and Storage	9	0	0				54	42		106			31	54								106					0	202	392
45	YI01.01	Yes	0.1	B	SCADA Systems Replacements	1,300	1,390	1,398	1,398	1,398	500																					2,788	6,085	6,085
46	AQ01.10	Yes	0.0	A	Board Room Audio-Visual Upgrades	80	80	0																								80	80	80
47	YI01.01B	Yes	0.0	A	SCADA Systems Infrastructure Upgrades	75	100	50	206	206	103					206	206	103					206	206	103				206	206	103	150	871	2,210
48	YI50.02B	Yes	0.0	A	Avalon System Fiber Optic Systems Upgrades		0	0	50															50								0	50	100
49	SR02.01	Yes	0.2	A	Decoto Reservoir Roof Replacement	804	208	3,000	4,158	6,158	7,000																					3,208	20,524	20,524
50	SR01.01	Yes	0.2	A	Alameda Reservoir Roof Replacement	766	8,369	2,545	8,000																							10,913	18,913	18,913
51	PH01.54B	Yes	0.1	A	Blending Facility Low Flow Control Modifications/Neat Feed	702	0	0																								0	0	0
52	GA09.01	Yes	0.2	B	New Cedar ARP Wells	10	186	891	1,000	891	750																					1,077	3,718	3,718
53	BB16.02	Yes	0.0	B	B16 WTP2 Zone 3 Booster Discharge Pipeline Replacement	10	239	0																								239	239	239
54	MM80.12	Yes	0.2	A	Main Renewal - Lindsay Tract	175	615	103	1,503	3,000	2,000																					719	7,222	7,222
55	AK01.09	Yes	0.0	A	IT Infrastructure Upgrades - Capital	250	350	150	60	60	60	60	60	60	60	60	60	300	60	60	60	60	60	60	60	60	60	300	60	60	60	500	980	2,360
56	GA50.07	Yes	0.2	B	Brackish Groundwater Reclamation Project	40	1,078	1,754	2,304			3,954					3,954															2,832	9,091	13,045
57	GW01.60	Yes	0.2	A	New Mowry Deep Aquifer Production Well	107	270	1,497	1,497																							1,768	3,265	3,265
58	MN01.01B	Yes	0.2	A	Cathodic Protection Improvements and Additions		216	441					342																			658	1,000	1,000
59	ST05.51B	Yes	0.2	B	MSJ Tank Improvements	9	0	316	1,455	1,455																						316	3,226	3,226
60	GG03.02B	Yes	0.2	B	Kaiser Pond Diversion Improvement Project	60	197	1,098	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,295	1,295	1,295
61	MD01.10B	Yes	0.2	B	Zone Valve Relocation - Warm Springs		0										32	36	247													0	0	315
62	BB90.01	Yes	1.0	B	District Participation - Booster Pump Stations	0	0	0	750																							0	750	750
63	AK02.51	No	0.0	B	Engineering Department - Capital Equipment and Materials	0	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	10	50	125
64	MM80.20	Yes	0.5	B	Quarry Lakes Parkway Improvements - Relocations	15	80	120	250					2,000	2,000																	199	4,449	4,449
65	MM80.21	Yes	0.2	B	Central Avenue Grade Separation Improvements - Relocations	15	80	120	120	120	100			2,200	2,200																	199	4,939	4,939
66	AK01.70	No	1.0	A	Development Services Cityworks PLL Improvements	0	115	140																								255	255	255
67	EE03.01B	Yes	0.2	B	Program and 10 Year EIR Documentation		0	0	100	350																						0	450	450
68	PH02.53B	Yes	0.1	A	Desalination Facility - Replace Chemical Piping		0	0				300	300																			0	600	600
69	PP01.02	Yes	0.0	B	M.J. Bernardo Softening Plant Decommissioning		0	0											225	709	422											0	0	1,356
70	PP02.01	Yes	0.0	C	Nursery Softening Plant Decommissioning		0	0													130											0	0	130
71	PJ02.10	Yes	0.1	B	WTP No. 2 - Second Filter Press		0	0														500	2,000	2,000								0	0	4,500
72	BB06.02B	Yes	0.1	A	Seven Hills Booster Station Study and Upgrade			0			27	445	2,318	61																		0	2,850	2,850
73	BB11.01	Yes	1.0	A	Whitfield Zone 3 Booster Station		0	0				52	663	2,650																		0	3,365	3,365
74	BB15.02	Yes	0.5	C	PR-1/MSJWTP Power Facility (Future)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	266	515	548	0	0	0	0	0	0	0	0	0	0	0	1,329

Item	CIP No	FRF	FIF	Priority	Title	Estimate 22-23	Year 1 23-24	Year 2 24-25	25-26	26-27	27-28	28-29	29-30	30-31	31-32	32-33	33-34	34-35	35-36	36-37	37-38	38-39	39-40	40-41	41-42	42-43	43-44	44-45	45-46	46-47	47-48	2 YR Total	10 YR Total	25 YR Total
75	SR04.03	Yes	0.1	A	Mayhew Reservoir Control Valve Vault							230	1,066																			0	1,296	1,296
76	SR05.03	Yes	0.0	B	Middlefield Reservoir Roof - Improvements	0		0	330			0																				0	330	330
77	SR05.51	Yes	0.2	A	Middlefield - Lining/Structural/Mechanical/WQ Improvements	0	0	0	0	0	585	5,530	5,530																			0	11,644	11,644
78	SR06.01	Yes	0.2	A	Patterson Reservoir Roof Replacement	0	0	0	335	335	14,715				0	0																0	15,384	15,384
79	SR06.03	Yes	0.2	B	Patterson Reservoir Water Quality Enhancement	0	0	0		630	630	4,385																				0	5,645	5,645
80	SR06.51	Yes	0.2	A	Patterson - Lining/Structural/Mechanical/WQ Improvements	0	0	0		51	51	2,417	0																			0	2,518	2,518
81	MM09.01	Yes	0.8	A	Peralta-BART Wellfield Pipeline 2600ft x 36-in		0	0							711	11,220																0	11,930	11,930
82	MM11.02	Yes	0.8	C	Gallegos Avenue - MSJWTP2 Zone 3 Intertie, Phase 2		0	0	515	2,524	567																					0	3,606	3,606
83	MM12.02	Yes	0.2	C	Zone 4 Intercom Pipeline, Phase 2 - 3,640 ft x 12-inch		0	0						1,648	4,121	2,472																0	8,242	8,242
84	MM17.03E	Yes	0.8	C	Niles-Newark Intertie Pipeline, Fremont Phase		20	10							794	794	794	794	24,060	23,399	4,864											30	1,618	55,529
85	MU01.01B	Yes	0.1	B	FR1 Upgrade	0					104	297																				0	401	401
86	GG01.01	Yes	0.2	C	Bunting Pumping Plant Decommissioning	0	0	0				197	643																			0	840	840
87	GG02.11B	Yes	0.2	B	Rock Pond to Horseshoe Lake Pipeline	0	0	0			0	0	0	0	164	1,067	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,231	1,231
88	MM80.01	Yes	0.2	B	Main Renewal Program		0	0									10,000	20,000	41,000	41,000	41,000	41,000	41,000	41,000	41,000	41,000	41,000	41,000	41,000	41,000	41,000	0	0	563,000
89	MM80.09	Yes	0.2	B	Main Renewal - MR4 Cherry		0	0						1,668	8,323	8,323																0	18,313	18,313
90	MM80.10	Yes	0.2	B	Main Renewal - MR5 Patterson		0	0					4,087	7,265	7,265	7,265	7,265															0	25,881	33,145
91	ST08.01	Yes	1.0	B	Tamarack Knolls Tank		27	0				1,447	7,925	61																		27	9,459	9,459
92	ST90.01	Yes	1.0	C	District Participation - Tanks at Upper Zones	0	0	0				3,719																				0	3,719	3,719
93	GG03.03	Yes	0.2	B	Kaiser Pit BHF Rehabilitation	0	0	0	0	2,980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,980	2,980
94	AQ01.11	Yes	0.0	B	Board Room Rehab and Reconfigure	0	0	0	205	205	850																					0	1,260	1,260
95	PJ01.55	No	0.5	B	MSJWTP Recommission and Upgrade		0	0				515	1,030	16,480	4,120	2,060																0	24,205	24,205
96	GG05.01	Yes	0.2	B	Vallecitos Channel Pipeline Installation		0	0				4,000	4,000	4,000	23,000	23,000	1,000															0	58,000	59,000
97	MD01.04	No	0.0	B	Distribution System Seismic Study Update							76	424																			0	501	501
98	PF11.70	No	0.2	A	Paseo Padre Take-off Utilization Study & Pipeline Project		0	0				100	25									500	500	8,000	10,000							0	125	19,125
99	PJ02.07	Yes	0.1	B	WTP2 Hose-less, Cable-driven Sludge Removal System		0	0				50	150	500	50																	0	750	750
100	PJ02.07	Yes	0.1	B	WTP2 Improvements to Solids Handling and Filter Backwashing		0	0				50	150	1,000	50																	0	1,250	1,250
101	PJ02.10	No	0.1	B	WTP2 Redundancy and Reliability of Filter Press		0	0		50	150	50	0																			0	250	250
102	PJ02-13	Yes	0.1	B	WTP2 Increased Chemical Delivery and Storage		0	0				50	150	500	50																	0	750	750
103	MM60.02	No	0.2	C	Distribution Pressure Study in Newark	0	0	0				162																				0	162	162
104	BB16.03	Yes	0.2	B	B16 Booster Station Improvements		0	0			308	2,139																				0	2,446	2,446
105	MM80.13	Yes	0.2	A	Paseo Padre and 680 Bridge overpass		20	193	175																							213	388	388
106	MM80.14	Yes	0.2	A	Central Avenue Main Renewal		0	0	218	1,506	6,506	15,000	1,500																			0	24,729	24,729
107	MM80.15	Yes	0.2	A	Mission Phase 1 Main Renewal		0	0			1,698	7,069	7,069																			0	15,836	15,836
108	MM80.16	Yes	0.2	A	Mission Phase 2 Main Renewal		0	0					237	893	2,893	1,500	2,000															0	5,524	7,524
109	MM80.18	Yes	0.2	A	Osgood Main Renewal		0	0		251	9,247	2,247	2,000	7,000																		0	20,746	20,746
110	MM80.19	Yes	0.2	A	Stevenson Main Renewal		0	0									1,599	5,235	5,235													0	0	12,069
111	MM80.11	Yes	0.2	B	Small Diameter Main Renewal - Fremont Sites	76	618	2,191	1,240	3,289	5,000	4,000	2,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,809	18,338	18,338
112	MM80.22	Yes	0.2	B	Small Diameter Main Renewal – Dairy St and H Street		1,531	1,531	1,531																							3,062	4,593	4,593
113	MM80.23	Yes	0.2	B	Main Renewal – Peralta Blender to Fremont Boulevard		0	0									1,737	8,932	8,932													0	0	19,601
114	MM80.24	Yes	0.2	A	Main Renewal – Mission Blvd at Tamarack Knolls	0	0	0	0	0	0	0	0	0	3,143	9,185	9,185	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12,329	21,514
115	AK01.64	No	0.0	A	IT Enterprise Software Upgrades - Cayenta		0	0	300					300					300					300					300			0	600	1,500
116	AK01.10	Yes	0.0	C	IT Records Management Project	25	150	170	50	50																						320	420	420
117	YI06.03	No	0.0	A	Electrical Redundancy & Reliability for IT Systems	49	143	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	169	169	169
118	AK01.69	Yes	0.0	A	Technology Master Plan		250	25																								275	275	275
119	AK03.53	No	0.1	B	Facility Division Asset Management Master Plan		225	10																								235	235	235
120	MD01.09	Yes	0.0	A	CUSTOMER CAPITAL CONTRIBUTIONS	4,459	3,800	3,800	3,800	3,800	3,800	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	7,600	34,000	79,000
121	MD50.01	Yes	0.0	A	Distribution System Large Valve Replacement Program	50	72	72	72	72	72	72	72	72	72	72																143	716	716
122	AV01.52	Yes	0.0	A	Equipment and Tools - Distribution Maintenance	60	60	60	60	60	60	60	60	60	60	60																120	600	600
123	AK03.52	Yes	0.0	A	Water Quality Laboratory Equipment Program	53	200	200	200	200	50	20	15				200	200	200	200		20	15									400	885	1,720
124	PJ02.62	No	0.1	A	WTP2 Filter Media Replacement		0	790									600	600									1,200	1,200				790	790	4,390
125	PH02.52B	Yes	0.1	A	Membranes for Desal Facility		0	150	1,350					1,350				150	1,350					1,350				150	1,350			150	2,850	7,199
126	AK03.62	No	0.0	B	Water Quality Extraordinary Expenses		316	567	100																							884	984	984
127	AV01.54	Yes	0.0	B	Equipment and Tools - General Facilities		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	20	100	250
128	AQ01.03	Yes	0.0	B	Headquarter Facility -HVAC Upgrades	0	260	125	0	0	0		7,000			0																385	7,385	7,385
129	AQ01.51C	Yes	0.0	B	Headquarters Facility Improvement/ Equipment Replacement	325	161	161	161	161	161	165	165	175	175	175	175	175	175	175	175	175	175	175	175	175	175	175	175	175	175	322	1,660	4,285
130	AQ01.52	Yes	0.0	B	Headquarter Facility- Reroof Building Office and Garage		0	0																	3,500							0	0	3,500
131	AV01.53	Yes	0.0	A	Equipment and Tools - Facilities Maintenance	10	20	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	35	155	380
132	PW03.51B	Yes	0.0	A	Mowry and PT Wellfields - Replacement Pumping Equipment	190	60	63	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	123	601	1,498
133	PH02.51B	Yes	0.0	A	Desal Facility Improvements / Equipment Replacements	114	216	61	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	277	737	1,601
134	PJ02.51C	Yes	0.0	A	WTP No.2 Improvements and Equipment Replacements	117	450	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	600	1,800	4,050
135	BB13.51B	Yes	0.1	A	Avalon Heights Booster Improvements and Equipment Replacemei	97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136	GA50.04	Yes	0.0	B	Willowood & Coronado Well Demolition		0	0														159	690									0	0	849
137	GA50.05	Yes	0.0	A	Desal Production Well Equipment Replacement	35	70	74	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	144	704	1,754
138	AV01.01	Yes	0.0	A	Vehicle Capital - Air Quality Reg'd Equip Upgrades		125	0						250																		125	375	375
139	AV01.03	Yes	0.0	A	Vehicle Capital - Construction Equipment and Machinery		580	150	80	0	325	150	80	150	150	500	250	250	250	250	250	250	250									730	2,165	3,915
140	AV01.04	Yes	0.0	B	Vehicle Capital - Heavy -Duty Vehicles		1,250	625	1,325	1,800	1,000	500	275	250	150	200	0	225	150													1,875	7,375	7,750
141	AV01.02	Yes	0.0	A	Vehicle Capital - Light Duty Vehicles		275	150	0	75	0	225	125	215	15																	425	1,080	1,080
142	MU05.01B	Yes	0.1	B	Dry Creek Regulator Upgrade			0		46																						0	46	46
143	PW50.01B	Yes	0.1	A	Wellfield General Improvements and Equipment Replacements	12	42	44	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	87	424	1,057
144	MU50.02	Yes	0.0	B	Regulator Site Improvements and Equipment Replacements	0	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	32	156	388
145	AK02.01	Yes	0.0	B	Removal of Nichols and Bunting Houses		0	0				220	310																			0	530	530
146	PH01.51B	Yes	0.0	B	PT Blending Facility Improvements	18	32	66	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	98	354	834
147	PH01.55	Yes	0.2	C	Re-pipe Blending Facility S-1 sample line		0	10																								10	10	10
148	AK03.64	No	0.0	A	School lead testing		13	33	33	33	33	33																				47	180	180
149	MD50.01	Yes	0.0	B	Facilities Maintenance Shop	0	150	180	0	0	0	0	0	500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	330	830	830
150	BB09.51	Yes	0.2	B	R03/B09 - Whitfield Reservoir and Zone 2 Booster Electrical	0			223	826	445	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,494	1,494
151	SR80.01B	Yes	0.2	A	T03 - Hidden Valley Tank Seismic Upgrade Phase II							624	3,163																			0	3,787	3,787
152	YI01.04	Yes	0.2	B	H02 - Foundation Fieldbus Replacement	0	377	541	541	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	917	1,458	1,458
153	YI06.01	Yes	0.0	B	Facility Arc Flash Calculation and Labeling	40	0	0				120					240					120					240					0	120	720
154	GA50.06	No	0.2	C	Desal Supply Well Pilot Study	66	0	0																								0	0	0

Item	CIP No	FRF	FIF	Priority	Title	Estimate 22-23	Year 1 23-24	Year 2 24-25	25-26	26-27	27-28	28-29	29-30	30-31	31-32	32-33	33-34	34-35	35-36	36-37	37-38	38-39	39-40	40-41	41-42	42-43	43-44	44-45	45-46	46-47	47-48	2 YR Total	10 YR Total	25 YR Total
155	ST50.01	Yes	0.1	B	Tanks- Facility Improvements/ Equipment Replacement	8	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	32	156	388
156	SR50.01	Yes	0.1	B	Reservoir- Facility Improvements/ Equipment Replacement	11	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	34	166	413
157	BB50.01	Yes	0.0	B	Booster Stations- Facility Improvements	50	134	141	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	275	563	1,104
158	MD01.12	Yes	0.1	A	Distribution Leak Detection System	132	132	132	132	132	132	132	132	132																		263	1,052	1,052
159	SR01.51	Yes	0.0	B	Alameda Reservoir Chlortec WQ system replacement		0				53	200																				0	253	253
160	PJ02.12	Yes	0.0	B	WTP-2 chlorine system upgrades		0	0		254	856																					0	1,110	1,110
161	PH01.08	Yes	0.2	A	PFAS treatment (CIP)	1,500	10,302	8,418																								18,719	18,719	18,719
162	PW03.02	Yes	0.2	A	PFAS related wellfield or distribution system modifications		0	0	100	473																						0	573	573
163	PH01.08	No	0.0	A	PFAS treatment study (EE)	0	0	0			80	80				80					80					80					80	0	240	480
164	PH01.08	Yes	0.0	A	PFAS monitoring program		103	103																								206	206	206
165	AQ01.12	Yes	0.2	A	HQ Electrical Infrastructure Replacement & Upgrade	0	0	0	210	450	1,440	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,100	2,100
166	SR02.51	Yes	0.2	B	Decoto Reservoir Electrical Infrastructure Replacement			510	693	693																						510	1,895	1,895
167	PW04.51	Yes	0.2	B	Nursery Well Electrical Infrastructure Replacement	0	0	0	0	0	0	0	160	372	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	532	532
168	PW07.51	Yes	0.2	B	Whipple Well Electrical Infrastructure Replacement	0	0	0	0	0	0	0	153	358	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	511	511
169	SR04.51	Yes	0.2	B	Mayhew Reservoir Electrical Infrastructure Replacement	0	0	0	0	0	0	0	148	345	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	493	493
170	PJ01.50	Yes	0.0	B	MSJWTP Improvements & Equipment Replacements	194	15	16	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	32	155	386
171	YI01.06	Yes	0.0	A	Desal PLC Upgrade Project	0	110	740	1,000	295	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	851	2,146	2,146
172	MD02.03	Yes	0.2	A	Water Meter Replacements - Small Meters	16	25	25	25	25	25	25	25	25	25	25																50	250	250
173	MD60.04	Yes	0.2	A	Meter Test Bench Upgrades	70	75	75	75	75	75	75	75	75	75																	150	675	675
174	YI01.07	Yes	0.0	B	Blending Facility PLC Replacements	0	0	0	126	775	1,439	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,340	2,340
175	SR01.01	No	0.0	A	Vineyard Heights Tank site stability	0	315	209																								523	523	523
176	PJ02.08B	No	0.0	B	TP2 Process Block Construction Joint Assessment and Sealing	0	0	0	200			1,223																				0	1,423	1,423
177	AV01.55	Yes	0.0	A	Vehicle Capital - Leased Vehicle		271	435	575	717	717	717	725	725	725	725	750	750	750	750	750	750	750	750	750	750	750	750	750	750	750	706	6,332	17,582
178	AV01.70	No	0.1	A	Zero Emission Fleet Transition Master Plan		200	0	0	500																						200	700	700
179	PW01.03	Yes	0.2	A	Mowry Generator Fuel Tank Replacement		0	0		80																						0	80	80
180	PH02.54	Yes	0.0	B	Replace Desal Backup Generator		0	0				100																				0	100	100
181	PJ02.52	Yes	0.0	B	Replace TP2 chemical lines		0	0				500	500																			0	1,000	1,000
182	PH01.07	Yes	0.0	B	Replace Blender chemical lines		0	0				300	300																			0	600	600
183	PJ02.04	No	0.2	A	Evaluate and Replace TP2 electrical equipment		0	0				1,000	1,000	3,000																		0	5,000	5,000
184	MM08.07	Yes	0.2	A	Mowry Wellfield Raw Water Conveyance Pipelines Rehabilitation		0	0							415	1,077	1,077															0	1,491	2,568
185	MM16.03	Yes	0.2	A	Desal BPW Main Renewal		0							13	711	4,608	4,608															0	5,332	9,941
186	WZ04.01	Yes	0.5	A	Water Reclamation, Phase 1		0	0														7,101	7,314	4,236	4,363	4,494	4,629	4,768	20,073	20,675	21,295	0	0	98,949
187	PW09.02B	Yes	0.1	B	New Below Hayward Fault Production Well Installation	0	0	0							2,436	1,218	1,218															0	3,654	4,872
188	PW02.06B	Yes	0.1	B	New Peralta-Tyson Production Wells Installation	0	0	0						1,827	1,218	1,218																0	4,263	4,263
189	GG50.03	Yes	0.0	B	GW Basin Reclamation and Protection Improvements		0	0	20	50																						0	70	70
190	GA07.02	Yes	0.0	B	Convert Lowry Well to Standby Well	0	0	0			250																					0	250	250
191	GG50.01	Yes	0.2	A	GW Supply Facilities Improv/Equip Replacements	0	42	42	42	147	95	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	84	578	1,208
192	GG50.05	Yes	0.2	A	Fisheries SCADA integration	0	0	0	79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	79	79
193	GG50.08	No	0.5	B	Groundwater SGMA Enhancement	0	102	140																								241	241	241
194	GG43.03B	Yes	0.2	C	Fish Passage Facility Grating Assessment	0		0	133	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	133	133
195	GS01.01	Yes	0.0	B	Site A ARP Well Outfall	0	0	0			50	250																				0	300	300
196	G11.50	Yes	0.2	B	Fisheries Facilities Modifications	0	47	76	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	124	324	699
197	GG06.02	Yes	0.2	B	ACWD Groundwater Alternative Data Gap Project	0	133	2,171																								2,304	2,304	2,304
198	GG70.03	No	0.0	A	Alameda Creek Low Flow Channel Evaluation	147	203	0																								203	203	203
199	N/A	No	0.0	C	Misc Extraordinary Expenditures	1,500																										$ -	$ -	$ -

Program Total (Including Ext. Expenses & Customer Jobs)	41,940	58,641	61,146	72,969	62,937	72,505	84,442	76,265	70,717	78,278	89,571	57,690	48,395	94,247	77,387	59,515	62,061	64,681	69,799	68,507	61,818	60,645	78,474	95,425	75,466	76,887	119,787	727,471	1,778,467
FIF	4,941	8,213	8,963	12,185	10,992	12,027	18,622	18,423	19,136	16,144	23,651	10,373	8,642	30,397	27,120	13,379	13,461	13,408	13,476	13,813	11,921	12,092	14,014	21,712	20,194	20,553	17,176	148,357	392,912
FRF	4,519	7,575	8,370	11,044	10,764	11,880	17,967	17,556	9,277	13,035	21,540	9,230	7,465	29,216	25,903	12,126	8,520	8,321	8,388	8,221	8,221	8,221	10,028	10,088	8,221	8,221	15,946	129,009	299,398
Customer Jobs	4,459	3,800	3,800	3,800	3,800	3,800	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	7,600	34,000	79,000
GF	28,021	39,053	40,013	45,941	37,380	44,798	44,853	37,286	39,303	46,099	41,379	35,087	29,289	31,634	21,364	31,009	37,080	39,953	44,934	43,473	38,676	37,333	51,431	60,624	44,052	45,114	79,065	416,105	1,007,157
GF: Extraordinary Expense	2,582	3,873	3,530	3,494	1,534	964	3,961	3,292	24,880	9,443	7,551	6,173	6,410	6,212	6,159	6,352	6,960	7,223	15,153	17,058	7,420	8,688	8,912	8,313	8,182	8,507	7,403	62,521	190,242
GF: Capital	25,439	35,180	36,483	42,447	35,847	43,834	40,892	33,994	14,422	36,656	33,829	28,914	22,879	25,422	15,204	24,658	30,120	32,729	29,782	26,415	31,256	28,645	42,519	52,311	35,870	36,607	71,663	353,584	816,915
Program Total (Including Ext. Expense) minus Customer Jobs:	37,481	54,841	57,346	69,169	59,137	68,705	81,442	73,265	67,717	75,278	86,571	54,690	45,395	91,247	74,387	56,515	59,061	61,681	66,799	65,507	58,818	57,645	75,474	92,425	72,466	73,887	112,187	693,471	1,699,467