

Burbank Water and Power Fiscal Year 2021-22 Proposed Budget Water Fund Capital Plan

DRAFT
Subject to Review and Change

	2021-22 Proposed	2022-23 Forecast	2023-24 Forecast	2024-25 Forecast	2025-26 Forecast	FY 2021-22 to FY 2025-26 Total
Potable CIP						
Small Water Mains	2,585,698	4,498,947	5,704,054	2,132,972	2,468,065	17,389,736
Large Water Mains	1,331,733	1,870,000	1,595,000	1,610,000	1,210,000	7,616,733
Plant Replacement	35,000	35,000	35,000	35,000	35,000	175,000
Automation and Control	20,148	20,711	20,771	95,832	20,884	178,346
Boosters	2,824,169	50,000	175,000	1,500,000	-	4,549,169
Production Facilities	576,152	921,750	1,950,000	-	-	3,447,902
Miscellaneous Facilities	932,000	841,000	475,000	400,000	375,000	3,023,000
Storage - Reservoirs and Tanks	400,166	505,000	3,450,000	695,000	445,000	5,495,166
New Customer Projects/AIC	391,597	741,630	394,305	397,680	400,609	2,325,821
Water Fund's share of common projects	200,169	119,466	184,053	39,549	735,870	1,279,106 (A)
Total Potable CIP	\$ 9,296,832	\$ 9,603,504	\$ 13,983,183	\$ 6,906,032	\$ 5,690,428	\$ 45,479,979
Recycled CIP						
Recycled Water	332,028	607,082	212,228	142,375	257,502	1,551,215
Total Recycled CIP	\$ 332,028	\$ 607,082	\$ 212,228	\$ 142,375	\$ 257,502	\$ 1,551,215
Total CIP	\$ 9,628,860	\$ 10,210,586	\$ 14,195,412	\$ 7,048,406	\$ 5,947,930	\$ 47,031,194
Capital Outlay	159,100	60,282	61,488	62,717	63,972	407,559
Information Technology	25,600	8,395	23,000	20,125	20,000	97,120
Master Fleet Plan	178,450	859,850	816,250	380,500	771,975	3,007,025
Subtotal Capital Outlay	363,150	928,527	900,738	463,342	855,947	3,511,704
Grand Total - Current Forecast	\$ 9,992,010	\$ 11,139,113	\$ 15,096,149	\$ 7,511,749	\$ 6,803,877	\$ 50,542,898

Note:

(A) Includes 20% for Safety, 12.5% for Customer Service, and 11.5% for Operations Technology, Facilities, Finance, and Security when applicable.

Burbank Water and Power
Fiscal Year 2021-22 Proposed Budget
Water Fund Capital Improvement Projects

	B	AZ	BC	BF	BI	BL	BR
1	Project	FY 21-22	FY 22-23	FY 23-24	FY 24-25	FY 25-26	Total
2		Proposed	Forecast	Forecast	Forecast	Forecast	FY 2021/22 - 2025/26
3	System Replacement/AIC						
4	System Expansion Services	307,835	307,868	310,543	313,918	316,847	1,557,011
5	System Expansion Meters	83,762	83,762	83,762	83,762	83,762	418,810
7	Old Ikea- Town Center		350,000				350,000
8	Sub-Total	391,597	741,630	394,305	397,680	400,609	2,325,821
9							
10	Potable Small Water Mains						
31	Walnut, Sixth to Kenneth			225,000			225,000
48	Upper Country Club Drive 6" D.I., 1,450 LF, replacement of 6" SS		450,000				450,000
55	7th Street, Angeleno to Tujunga					175,000	175,000
56	Alley South of San Fernando, Olive to Orange Grove					175,000	175,000
58	Reese, Monterey to Lockheed Channel, Replace 4" CI with 8" DI, 600 LF	271,452					271,452
59	Ford Street, Clark Ave to Magnolia Blvd	519,252					519,252
60	Pass, Burbank to Chandler		275,000				275,000
61	Orchard, Clark to Magnolia	245,737					245,737
62	700 Block 6th Street, Transfer Services from 2" Galvanized to Existing 12" CI	56,388					56,388
63	Alley E/O 5th, Elmwood to Cedar	143,257					143,257
66	Pass, Clark to Magnolia			300,000			300,000
67	Irving Drive, Glenoaks to Scott		150,000				150,000
68	Ally North of Orange Grove, Bel Aire to Kenneth Road				250,000		250,000
69	Ally South of Olive, Bel Aire Dr. to Kenneth Road			250,000			250,000
70	Alley N/O Orange Grove, Glenoaks to Sixth				250,000		250,000
71	Catalina, Burbank to Wyoming		125,000				125,000
72	6th, Eaton to Andover			350,000			350,000
74	Frederic/Naomi/Willow Loop		500,000				500,000
75	Buena Vista, Chandler to Burbank, Replace 6" SS with 8" DI, 1,250 LF					325,000	325,000
79	Parkside, Parish to Reese	270,712					270,712
80	Brighton, Pacific to Monterey		120,000				120,000
82	Alley N/O San Jose Glenoaks to N 3rd, Replace 6" SS with 12" DI, 551 LF				150,000		150,000
83	Alley N/O Orange Grove, 6th St to 7th St, Replace 4" SS with 8" DI, 594 LF				135,000		135,000
85	Alley N/O Verdugo, 7th St to Kenneth Rd, Replace 4" SS with 8" DI, 532 LF				120,000		120,000
86	Alley N/O Santa Anita, 6th St to 7th St, Replace 4" SS with 8" DI, 532 LF					140,000	140,000
87	Alley N/O Santa Anita, 7th to Kenneth Rd, Replace 4" STL with 8" DI, 1,173 LF					275,000	275,000
88	Alley N/O Tujunga, 7th St to Kenneth Rd, Replace 4" SS with 8" DI, 520 LF				125,000		125,000
89	Alley N/O Tujunga, 6th St to 7th St, Replace 4" SS with 8" DI, 600 LF					175,000	175,000
91	Valencia E/O Victory					100,000	100,000
112	Street Improvements Coordination Project (Clear Street Improvements)	12,749	12,796	12,903	13,011	13,104	64,563
113	Hydrants replacement	80,000	80,000	80,000	80,000	80,000	400,000
114	Service Replacement Due to Tree Roots	95,000	95,000	95,000	95,000	95,000	475,000
116	Service Replacement Valves on Existing Fire Services	75,000	75,000	75,000	75,000	75,000	375,000
117	Meter Replacements	666,151	666,151	666,151	764,961	764,961	3,528,375
118	Advanced Metering Infrastructure (AMI)		1,800,000	3,500,000			5,300,000
119	Valve Replacements	150,000	150,000	150,000	75,000	75,000	600,000

Burbank Water and Power
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Water Fund Capital Improvement Projects

	B	AZ	BC	BF	BI	BL	BR
1	Project	FY 21-22	FY 22-23	FY 23-24	FY 24-25	FY 25-26	Total
2		Proposed	Forecast	Forecast	Forecast	Forecast	FY 2021/22 - 2025/26
120	Sub-Total	2,585,698	4,498,947	5,704,054	2,132,972	2,468,065	17,389,736
124							
125	Potable Large Water Mains						
134	Empire Ave, Naomi to Ontario, A New 12" DI Main, 1,200 LF		485,000				485,000
137	Ontario, from 2950 Ontario to Cohasset St	307,009					307,009
138	Victory Blvd, Verdugo to Providencia			225,000			225,000
142	Lake Street, North of Burbank Blvd Bridge	209,724					209,724
143	Palm Pump Station, Replace 12" CI Distribution Main with 20" DI, 162 LF			60,000			60,000
147	Burbank - 5 points to Beechwood 1250 LF 12"				400,000		400,000
148	Burbank, Beechwood to Parish 1250 LF 12"					400,000	400,000
153	Lower Country Club Drive Install 12" D.I., 1,500 LF, from Sunset Canyon to Via Montana		400,000				400,000
155	Replace Transmission Main Valves	210,000	210,000	210,000	210,000	210,000	1,050,000
157	Intall and/or Replace Transmission Main TBD				200,000	200,000	400,000
158	Hollywood Way, Victory to Burbank - Cement lined 3,500 LF of 20" main		775,000				775,000
159	Victory, Isabel to Chandler			300,000			300,000
160	Victory, Chandler to Magnolia				400,000		400,000
161	Magnolia, I-5 to 3rd	605,000					605,000
162	Magnolia, Victory to Mariposa			400,000			400,000
163	Magnolia, Mariposa to Reese				400,000		400,000
164	Magnolia, Reese to Keystone					400,000	400,000
167	Magnolia, BWP Campus to Victory			400,000			400,000
174	Sub-Total	1,331,733	1,870,000	1,595,000	1,610,000	1,210,000	7,616,733
175							
176	Total for Potable Small & Large Mains	2,628,531	2,505,000	2,510,000	2,230,000	2,165,000	12,038,531
177							
178	Total for Potable Distribution	4,309,028	7,110,577	7,693,359	4,140,652	4,078,674	27,332,290
179							
182	Potable Plant Replacement						
183	Miscellaneous Equipment Replacement	35,000	35,000	35,000	35,000	35,000	175,000
184	Sub-Total	35,000	35,000	35,000	35,000	35,000	175,000
185							
186	Potable Automation and Control						
187	Water Supervisory Control and Data Acquisition (SCADA) Equipment Replacement	20,148	20,711	20,771	20,832	20,884	103,346
191	SCADA Software Upgrade				75,000		75,000
193	Sub-Total	20,148	20,711	20,771	95,832	20,884	178,346
194							
195	Potable Boosters						
197	Metropolitan Water District B-1 Booster Station Improvements		50,000	175,000	1,500,000		1,725,000
199	Valley Pumping Plan (VPP) Booster Station Upgrade	2,824,169					2,824,169
205	Sub-Total	2,824,169	50,000	175,000	1,500,000	-	4,549,169
206							

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1	Project	FY 21-22	FY 22-23	FY 23-24	FY 24-25	FY 25-26	Total
2		Proposed	Forecast	Forecast	Forecast	Forecast	FY 2021/22 - 2025/26
207	Potable Production Facilities						
212	Upper Zones Disinfection Residual Improvement/Upper Zones CL2 Booster	425,752	596,750				1,022,502
214	VPP Disinfection System		200,000	1,800,000			2,000,000
216	Rehabilitation of Well #7		125,000				125,000
217	Destruction of Well # 13	75,200					75,200
220	Destruction of Well# 6	75,200					75,200
222	Seismic Analysis of MWD Connections- AWIA			150,000			150,000
223	Sub-Total	576,152	921,750	1,950,000	-	-	3,447,902
224							
225	Potable Miscellaneous Facilities						
226	Integration of Various Operations Technology Systems						
227	Security Improvements	107,000	66,000	25,000	25,000	25,000	248,000
233	Geo-Enterprise Mapping Service (GEMS) Water Upgrade				75,000		75,000
235	Mobile Information Management System (MIMS) Upgrade (Lifecycle)		75,000				75,000
236	Lifecycle Assets		50,000	50,000			100,000
238	Utility Network Evaluation and Migration Plan	75,000	50,000				125,000
239	Utility Network Migration			200,000	100,000		300,000
240	Pipeline Failure Prediction	75,000					75,000
241	OSIsoft PI Development	75,000					75,000
248	Successful Grant Projects	200,000	200,000	200,000	200,000	200,000	1,000,000
249	Water Facility Master Plan	250,000					250,000
250	Valley Pumping Plant (VPP) - Office Modifications					150,000	150,000
251	VPP Booster Station Seismic Assessment and Improvements	150,000	100,000				250,000
252	VPP Forebay Wall Replacement / Realignment		300,000				300,000
255	Sub-Total	932,000	841,000	475,000	400,000	375,000	3,023,000
256							
257	Total for Potable Production	4,387,469	1,868,461	2,655,771	2,030,832	430,884	11,373,417
258							
261	Potable Storage - Reservoirs and Tanks						
262	Reservoir #5 Install Stair Access	20,000			150,000		170,000
263	Reservoir No. 5 Inlet/Outlet Pipe Replacement					100,000	100,000
264	Reservoir #4 Install Stair Access	20,000		75,000			95,000
268	Twin Tanks Site Work			100,000			100,000
272	Reservoir Joint Replacement/Crack Repair			215,000	325,000	125,000	665,000
275	Reservoir # 2 Replacement		300,000	3,000,000			3,300,000
276	Granular Activated Carbon Filter (GAC) Repairs	275,000					275,000
280	Interior Painting		145,000		145,000	145,000	435,000
281	Exterior Painting (Full Strip and Abatement)	85,166					85,166
282	Exterior Painting (Overcoat)		60,000	60,000	75,000	75,000	270,000
283	Sub-Total	400,166	505,000	3,450,000	695,000	445,000	5,495,166
284							
285	Total for Potable Storage - Reservoirs and Tanks	400,166	505,000	3,450,000	695,000	445,000	5,495,166
286							
287	Total for Potable Water System	9,096,663	9,484,038	13,799,131	6,866,483	4,954,558	44,200,872

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1	Project	FY 21-22	FY 22-23	FY 23-24	FY 24-25	FY 25-26	Total
2		Proposed	Forecast	Forecast	Forecast	Forecast	FY 2021/22 - 2025/26
288							
292	Recycled System Expansion						
307	Hydrants	10,000	10,000	10,000	10,000	10,000	50,000
309	Services (Under New Policy)	10,857	10,907	11,019	11,132	11,229	55,144
310	Meters - Recycled Water	48,588	48,588	48,588	48,588	48,588	242,940
311	Sub-Total	69,445	69,495	69,607	69,720	69,817	348,084
318							
319	Total for Recycled Distribution	69,445	69,495	69,607	69,720	69,817	348,084
320							
321							
322	Recycled Automation and Control						
323	Water Supervisory Control and Data Acquisition (SCADA) Equipment Replacement	10,083	10,087	10,121	10,155	10,185	50,631
324	SCADA Software Upgrade				35,000		35,000
325	Water SCADA Software and Implementation Study	10,000	75,000				85,000
330	Sub-Total	20,083	85,087	10,121	45,155	10,185	170,631
331							
332	Recycled Boosters						
335	Recycled Equipment Replacement	15,000	15,000	15,000	15,000	15,000	75,000
337	Pump Station 1 Rehabilitation					50,000	50,000
340	Sub-Total	15,000	15,000	15,000	15,000	65,000	125,000
341							
342	Recycled Miscellaneous Facilities						
347	Recycled Water Masterplan					100,000	100,000
348	Security Improvements	12,500	12,500	12,500	12,500	12,500	62,500
350	Sub-Total	12,500	12,500	12,500	12,500	112,500	162,500
351							
352	Total for Recycled Production	47,583	112,587	37,621	72,655	187,685	458,131
353							
355	Recycled Storage - Reservoirs and Tanks						
356	Tank Replacement - Wildwood Tank		200,000				200,000
357	Zone 1 Storage		225,000				225,000
361	Painting Program - Steel Tanks	215,000		105,000			320,000
362	Total for Recycled Storage - Reservoirs and Tanks	215,000	425,000	105,000	-	-	745,000
363							
364	Total for Recycled Water	332,028	607,082	212,228	142,375	257,502	1,551,215
365							
368	Total for Potable and Recycled	9,428,691	10,091,120	14,011,359	7,008,858	5,212,060	45,752,088
369							

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	B	AZ	BC	BF	BI	BL	BR
1	Project	FY 21-22	FY 22-23	FY 23-24	FY 24-25	FY 25-26	Total
2		Proposed	Forecast	Forecast	Forecast	Forecast	FY 2021/22 - 2025/26
370	Water Fund's Share of Common Projects						
372	Operational Reliability	23,000	-	-	-	-	23,000
373	Security Operations Center (SOC)/Network Operations Center (NOC)	28,750	-	-	-	-	28,750
374	Data Center Hardware	63,250	-	-	-	-	63,250
375	Enterprise Data and Information Architecture Implementation	46,000	-	-	-	-	46,000
381	Roof Replacement Program	11,500	8,625	8,625	8,625	8,625	46,000
390	HVAC Upgrade for Campus Buildings	21,919	29,716	30,947	30,924	28,245	141,750
399	Pedestrian access - Offsite Parking and Campus	5,750	28,750	-	-	-	34,500
415	Migrate Hyperion to cloud solution	-	-	14,231	-	-	14,231
418	Meter Data Management System Upgrade and Update	-	43,750	-	-	250,000	293,750
423	Interactive Voice Response (IVR) Upgrade	-	-	6,250	-	-	6,250
424	Customer Engagement Systems	-	-	56,250	-	-	56,250
425	Customer Information System Upgrade	-	-	56,250	-	437,500	493,750
430	Cyber Security Protection & Monitoring	-	8,625	-	-	11,500	20,125
432	BWP Enterprise Security	-	-	11,500	-	-	11,500
437	Sub-Total	200,169	119,466	184,053	39,549	735,870	1,279,106
438							
439	Grand Total Water Fund CIP Projects	9,628,860	10,210,586	14,195,412	7,048,406	5,947,930	47,031,194
440							