

Burbank Water and Power Fiscal Year 2018-19 Adopted Budget Water Fund Capital Plan

	2018-19 Adopted	2019-20 Forecast	2020-21 Forecast	2021-22 Forecast	2022-23 Forecast	FY 2018-19 to FY 2022-23 Forecast
Potable CIP						
Small Water Mains	2,771,486	2,556,486	2,446,486	2,126,063	1,932,063	11,832,584
Large Water Mains	625,000	575,000	450,000	925,000	1,240,000	3,815,000
Plant Replacement	35,000	35,000	35,000	35,000	35,000	175,000
Automation and Control	120,000	20,000	20,000	20,000	20,000	200,000
Boosters	200,000	570,000	725,000	300,000	-	1,795,000
Production Facilities	75,000	-	-	15,000	200,000	290,000
Miscellaneous Facilities	200,000	25,000	25,000	25,000	25,000	300,000
Storage - Reservoirs and Tanks	200,000	350,000	420,000	290,000	615,000	1,875,000
New Customer Projects/AIC	333,762	333,762	333,762	333,762	333,762	1,668,810
Water Fund's share of common projects	149,055	110,750	119,625	41,750	113,875	535,055 (A)
Total Potable CIP	\$ 4,709,303	\$ 4,575,998	\$ 4,574,873	\$ 4,111,575	\$ 4,514,700	\$ 22,486,449
Recycled CIP						
Recycled Water	439,105	269,105	519,105	214,105	69,105	1,510,525
Total Recycled CIP	\$ 439,105	\$ 269,105	\$ 519,105	\$ 214,105	\$ 69,105	\$ 1,510,525
Total CIP	\$ 5,148,408	\$ 4,845,103	\$ 5,093,978	\$ 4,325,680	\$ 4,583,805	\$ 23,996,974
Capital Outlay						
Capital Outlay	10,000	10,200	10,404	10,612	10,824	52,040
Information Technology	5,175	92,569	6,534	8,712	7,902	120,891
Master Fleet Plan	208,080	764,453	440,015	414,730	106,405	1,933,683
Subtotal Capital Outlay	\$223,255	\$867,221	\$456,953	\$434,054	\$125,131	\$2,106,614
Grand Total - Current Forecast	\$ 5,371,663	\$ 5,712,324	\$ 5,550,931	\$ 4,759,734	\$ 4,708,936	\$ 26,103,588

Note:

(A) Includes 15% for Safety, 12.5% for Customer Service, and 11.5% for Operations Technology, Facilities, and Finance when applicable.

**Burbank Water and Power
Fiscal Year 2018-19 Adopted Budget
Water Fund Capital Improvement Projects**

	B	AE	AF	AG	AH	AI	AJ
1	Project	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23	Total
2		Adopted	Forecast	Forecast	Forecast	Forecast	FY 2018/19 - 2022/23
3							
4							
5	System Replacement/AIC						
6	System Expansion Services	250,000	250,000	250,000	250,000	250,000	1,250,000
7	System Expansion Meters	83,762	83,762	83,762	83,762	83,762	418,810
8	Sub-Total	333,762	333,762	333,762	333,762	333,762	1,668,810
9							
10	Potable Small Water Mains						
31	Walnut, Sixth to Kenneth				200,000		200,000
46	Hollywood Way, Jefferies to Victory	350,000					350,000
47	Mariposa, Clark to Magnolia	210,000					210,000
48	Toluca Lake Ave, Olive to Rose	190,000					190,000
49	Pepper, Edison to Allan	175,000					175,000
50	Lamer, Magnolia to Chandler	150,000					150,000
51	Monterey, Lincoln to Orchard	300,000					300,000
52	Upper Country Club Drive 6" D.I., 1,450 LF, replacement of 6" SS	275,000					275,000
53	7th Street, Angeleno to Tujunga		150,000				150,000
54	Alley South of San Fernando, Olive to Orange Grove		150,000				150,000
55	Evergreen, Clark to Magnolia		250,000				250,000
56	Reese, Monterey to Lockheed Channel, Replace 4" CI with 8" DI, 600 LF		110,000				110,000
57	Ford Street, Clark Ave to Magnolia Blvd		275,000				275,000
58	Pass, Burbank to Chandler		250,000				250,000
59	Orchard, Clark to Magnolia		150,000				150,000
60	Irving Drive, Glenoaks to Scott			110,000			110,000
61	Ally North of Orange Grove, Sunset Canyon to Kenneth Road			220,000			220,000
62	Ally South of Olive, Bel Aire Dr. to Kenneth Road			220,000			220,000
63	Alley N/O Orange Grove, Glenoaks to Sixth			240,000			240,000
64	Catalina, Burbank to Wyoming			100,000			100,000
65	6th, Eaton to Andover			325,000			325,000
66	Frederic, Frederic to Thornton			110,000			110,000
67	Buena Vista, Chandler to Burbank, Replace 6" SS with 8" DI, 1,250 LF				275,000		275,000
68	Cypress & San Jose, Glenoaks to 3rd, Cypress				100,000		100,000
69	Cypress & San Jose, Glenoaks to 3rd, San Jose				100,000		100,000

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Water Fund Capital Improvement Projects**

	B	AE	AF	AG	AH	AI	AJ
1	Project	FY 18-19 Adopted	FY 19-20 Forecast	FY 20-21 Forecast	FY 21-22 Forecast	FY 22-23 Forecast	Total FY 2018/19 - 2022/23
2							
3							
70	Cypress & San Jose, Glenoaks to 3rd, Magnolia				100,000		100,000
71	Parkside, Parish to Reese		100,000				100,000
72	Brighton, Pacific to Monterey				100,000		100,000
73	Deleware & Cornell, from Glenoaks to 3rd				275,000		275,000
74	Alley N/O San Jose Glenoaks to N 3rd, Replace 6" SS with 12" DI, 551 LF					126,000	126,000
75	Alley N/O Orange Grove, 6th St to 7th St, Replace 4" SS with 8" DI, 594 LF					135,000	135,000
76	Alley N/O Verdugo, 6th St to 7th St, Replace 4" SS with 8" DI, 600 LF					135,000	135,000
77	Alley N/O Verdugo, 7th St to Kenneth Rd, Replace 4" SS with 8" DI, 532 LF					120,000	120,000
79	Alley N/O Santa Anita, 6th to Kenneth Rd, Replace 4" STL with 8" DI, 1,173 LF					275,000	275,000
80	Alley N/O Tujunga, 7th St to Kenneth Rd, Replace 4" SS with 8" DI, 520 LF					120,000	120,000
82	Valley St, End to Hood Ave End, Replace 4" CI with 8" DI, 185 LF					45,000	45,000
83	Street Improvements Coordination Project (Clear Street Improvements)	12,500	12,500	12,500	12,500	12,500	62,500
84	Hydrants replacement	110,000	110,000	110,000	110,000	110,000	550,000
85	Service Replacement Due to Tree Roots	95,000	95,000	95,000	95,000	95,000	475,000
86	Service Replacement Tie-overs to New Water Mains	10,000	10,000	10,000	10,000	10,000	50,000
87	Service Replacement Valves on Existing Fire Services	35,000	35,000	35,000	35,000	35,000	175,000
88	Meter Replacements	783,986	783,986	783,986	638,563	638,563	3,629,084
89	Valve Replacements	75,000	75,000	75,000	75,000	75,000	375,000
90	Sub-Total	2,771,486	2,556,486	2,446,486	2,126,063	1,932,063	11,832,584
91							
92	Potable Large Water Mains						
100	Hollywood Way, Pacific to Victory		375,000				375,000
103	Ontario, from 2950 Ontario to Cohasset St			150,000			150,000
104	Victory Blvd, Verdugo to Providencia				175,000		175,000
105	Alley South of Alameda, Glenoaks to San Fernando				250,000		250,000
106	Winona, Ontario to Hollywood Way, Replace 8" CI with 12" DI, 1,600 LF	425,000					425,000
107	Lake, Olive to Providencia					425,000	425,000
108	Lake Street, North of Burbank Blvd Bridge			100,000			100,000
109	Palm Pump Station, Replace 12" CI Distribution Main with 20" DI, 162 LF					65,000	65,000
112	Magnolia from Wash to Victory, 12" 1000 LF				300,000		300,000
113	Burbank - 5 points to Beechwood 1250 LF 12"					275,000	275,000
114	Burbank, Beechwood to Parish 1250 LF 12"					275,000	275,000

**Burbank Water and Power
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Water Fund Capital Improvement Projects**

	B	AE	AF	AG	AH	AI	AJ
1	Project	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23	Total
2		Adopted	Forecast	Forecast	Forecast	Forecast	FY 2018/19 -
3							2022/23
115	Replace Transmission Main Valve	200,000	200,000	200,000	200,000	200,000	1,000,000
117	Sub-Total	625,000	575,000	450,000	925,000	1,240,000	3,815,000
118							
119	Total for Potable Distribution	3,730,248	3,465,248	3,230,248	3,384,825	3,505,825	17,316,394
120							
121							
122							
123	Potable Plant Replacement						
124	Miscellaneous Equipment Replacement	35,000	35,000	35,000	35,000	35,000	175,000
125	Sub-Total	35,000	35,000	35,000	35,000	35,000	175,000
126							
127	Potable Automation and Control						
128	Water Supervisory Control and Data Acquisition (SCADA) Equipment Replacement	20,000	20,000	20,000	20,000	20,000	100,000
129	Programmable Logic Controller (PLC) 5 Replacements - VPP, Blend, GAC & B-1	100,000					100,000
132	Sub-Total	120,000	20,000	20,000	20,000	20,000	200,000
133							
134	Potable Boosters						
135	Modernize Equipment - B-1 MCC			125,000			125,000
137	VPP Booster Station Upgrade	150,000	250,000	300,000	300,000		1,000,000
138	McClure Booster Upgrade (P-29, P-32 & P-34)	50,000	250,000				300,000
139	Res 5 Booster Station Upgrade (P-20 & P-23)		70,000	300,000			370,000
141	Sub-Total	200,000	570,000	725,000	300,000	-	1,795,000
142							
143	Potable Production Facilities						
147	Granular Activated Carbon (GAC) - Architectural Screening				15,000	75,000	90,000
148	Upper Zones Disinfection Residual Improvement	50,000					50,000
149	B-5 Bypass Small Meter	25,000					25,000
150	Rehabilitation of Well #7					125,000	125,000
151	Sub-Total	75,000	-	-	15,000	200,000	290,000
152							
153	Potable Miscellaneous Facilities						
154	Integration of Various Operations Technology Systems	50,000					50,000

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Water Fund Capital Improvement Projects**

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1	Project	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23	Total
2		Adopted	Forecast	Forecast	Forecast	Forecast	FY 2018/19 -
3							2022/23
155	Security Improvements	25,000	25,000	25,000	25,000	25,000	125,000
156	Paving of Facility Sites	25,000					25,000
157	Res #1 & Res #4 Sites Irrigation	100,000					100,000
161	Sub-Total	200,000	25,000	25,000	25,000	25,000	300,000
162							
163	Total for Potable Production	630,000	650,000	805,000	395,000	280,000	2,760,000
164							
165							
166							
167	Potable Storage - Reservoirs and Tanks						
168	Reservoir #5 Install Stair Access		20,000				20,000
169	Reservoir #4 Install Vents	80,000					80,000
173	Seismic Retrofits - Flextend and Seismic Valve		40,000				40,000
174	Interior Joint Replacement/Crack Repair		200,000	300,000			500,000
175	Re-roof Reservoir #2				200,000		200,000
176	Reroof Granular Activated Carbon (GAC) & Valley Forebays					525,000	525,000
178	Painting Program (Interior and Exterior)	120,000	90,000	120,000	90,000	90,000	510,000
179	Sub-Total	200,000	350,000	420,000	290,000	615,000	1,875,000
180							
181	Total for Potable Storage - Reservoirs and Tanks	200,000	350,000	420,000	290,000	615,000	1,875,000
182							
183	Total for Potable Water System	4,560,248	4,465,248	4,455,248	4,069,825	4,400,825	21,951,394
184							
185							
186							
187							
188	Recycled System Expansion						
192	Wildwood Canyon Park - Planning, Design, & Construction				145,000		145,000
193	Distribution mains to Zone 2 parcels		200,000	200,000			400,000
197	Winona, Ontario to Hollywood Way	175,000					175,000
198	Pressure Reducing Station (near Woodburry)	50,000					50,000

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2		Adopted	Forecast	Forecast	Forecast	Forecast	FY 2018/19 -
3							2022/23
200	Hydrants	20,000	20,000	20,000	20,000	20,000	100,000
201	Service Recycled Water Expansion	10,000	10,000	10,000	10,000	10,000	50,000
203	Meters - Recycled Water	14,105	14,105	14,105	14,105	14,105	70,525
204	Recycled Transmission Mains						
205	Olive Recycled Main			250,000			250,000
208	Total for Recycled Distribution	269,105	244,105	494,105	189,105	44,105	1,240,525
209							
210							
211	Recycled Automation and Control						
212	Water Supervisory Control and Data Acquisition (SCADA) Equipment Replacement	5,000	10,000	10,000	10,000	10,000	45,000
221	Equipment, Pump & Motor Replacements/Overhaul	15,000	15,000	15,000	15,000	15,000	75,000
227	Total for Recycled Production	20,000	25,000	25,000	25,000	25,000	120,000
228							
229							
230	Recycled Storage - Reservoirs and Tanks						
231	Tank Replacement - Wildwood Tank	150,000					150,000
235	Total for Recycled Storage - Reservoirs and Tanks	150,000	-	-	-	-	150,000
236							
237	Total for Recycled Water	439,105	269,105	519,105	214,105	69,105	1,510,525
238							
239	Total for Potable and Recycled	4,999,353	4,734,353	4,974,353	4,283,930	4,469,930	23,461,919
240							
241	Water Fund's Share of Common Projects						
243	Network Manager of Managers (MOM)	2,875	46,000				48,875
246	Roof Replacement Program		17,250	14,375	11,500	8,625	51,750
254	HVAC Upgrade Study & Project for ECC	23,000					23,000
255	Facilities Painting Program		5,750	11,500	11,500	11,500	40,250
265	Auto Reordering		23,000				23,000
275	Hyperion Enterprise Budgeting and Reporting Tools	2,875					2,875
280	Meter Data Management System Upgrade and Update			31,250		31,250	62,500
281	Customer Enhancements			31,250		31,250	62,500

**Burbank Water and Power
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Water Fund Capital Improvement Projects**

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1	Project	FY 18-19 Adopted	FY 19-20 Forecast	FY 20-21 Forecast	FY 21-22 Forecast	FY 22-23 Forecast	Total FY 2018/19 - 2022/23
2							
3							
282	IVR Upgrade	53,750					53,750
283	Customer Web Portal		18,750		18,750		37,500
284	Customer Information System Upgrade	31,250		31,250		31,250	93,750
286	Work Station Replacement Program	35,305					35,305
289	Sub-Total	149,055	110,750	119,625	41,750	113,875	535,055
290							
291	Grand Total Water Fund CIP Projects	5,148,408	4,845,103	5,093,978	4,325,680	4,583,805	23,996,974