

**Burbank Water and Power  
Fiscal Year 2017-18 Proposed Budget  
Water Fund Capital Plan**

DRAFT  
Subject to Review and Change

	2017-18 Proposed	2018-19 Forecast	2019-20 Forecast	2020-21 Forecast	2021-22 Forecast	FY 2017-18 to FY 2021-22 Forecast
<b>Potable CIP</b>						
Small Water Mains	3,116,063	2,351,063	2,311,063	2,301,063	2,226,063	12,305,315
Large Water Mains	200,000	625,000	575,000	450,000	1,075,000	2,925,000
Plant Replacement	35,000	35,000	35,000	35,000	35,000	175,000
Automation and Control	170,000	120,000	20,000	20,000	20,000	350,000
Boosters	60,000	250,000	100,000	250,000	-	660,000
Production Facilities	30,000	-	15,000	150,000	-	195,000
Miscellaneous Facilities	25,000	25,000	25,000	25,000	25,000	125,000
Storage - Reservoirs and Tanks	440,000	620,000	460,000	120,000	90,000	1,730,000
Water Fund's share of common projects (A)	133,582	40,250	431,878	85,250	71,500	762,460
<b>Total Potable</b>	<b>\$ 4,209,645</b>	<b>\$ 4,066,313</b>	<b>\$ 3,972,941</b>	<b>\$ 3,436,313</b>	<b>\$ 3,542,563</b>	<b>\$ 19,227,775</b>
<b>Recycled CIP</b>						
Recycled Water	1,019,105	349,105	259,105	509,105	204,105	2,340,525
<b>Total Recycled</b>	<b>\$ 1,019,105</b>	<b>\$ 349,105</b>	<b>\$ 259,105</b>	<b>\$ 509,105</b>	<b>\$ 204,105</b>	<b>\$ 2,340,525</b>
<b>AIC</b>						
Potable - New Customer Projects/AIC	\$ 363,762	\$ 333,762	\$ 333,762	\$ 333,762	\$ 333,762	1,698,810
Recycled - New Customer Projects/AIC	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	50,000
<b>Total AIC</b>	<b>\$ 373,762</b>	<b>\$ 343,762</b>	<b>\$ 343,762</b>	<b>\$ 343,762</b>	<b>\$ 343,762</b>	<b>\$ 1,748,810</b>
<b>Total CIP</b>	<b>\$ 5,602,512</b>	<b>\$ 4,759,180</b>	<b>\$ 4,575,808</b>	<b>\$ 4,289,180</b>	<b>\$ 4,090,430</b>	<b>\$ 23,317,110</b>
Capital Outlay	28,450	29,019	29,599	30,191	30,795	148,055
Information Technology	63,437	37,481	89,351	25,070	27,618	242,957
Master Fleet Plan	409,375	462,968	769,973	247,200	370,130	2,259,645
<b>Subtotal Capital Outlay</b>	<b>\$ 501,262</b>	<b>\$ 529,467</b>	<b>\$ 888,923</b>	<b>\$ 302,461</b>	<b>\$ 428,543</b>	<b>\$ 2,650,657</b>
<b>Grand Total - Current Forecast</b>	<b>\$ 6,103,774</b>	<b>\$ 5,288,647</b>	<b>\$ 5,464,731</b>	<b>\$ 4,591,641</b>	<b>\$ 4,518,973</b>	<b>\$ 25,967,766</b>

Note:

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

**Burbank Water and Power  
Fiscal Year 2017-18 Proposed Budget  
Water Fund Capital Improvement Projects**

	B	AI	AJ	AK	AL	AM	AN
1							
2	<b>Project</b>	<b>FY 17-18 Proposed</b>	<b>FY 18-19 Forecast</b>	<b>FY 19-20 Forecast</b>	<b>FY 20-21 Forecast</b>	<b>FY 21-22 Forecast</b>	<b>Total FY 2017/18 - 2021/22</b>
3							
4							
11	<b>Potable Small Water Mains</b>						
36	Walnut, Sixth to Kenneth					200,000	200,000
43	Hollywood Way, Allan to Jeffries	250,000					250,000
44	Orchard, Winona to Glenoaks	80,000					80,000
45	Reese, Winona to Glenoaks	55,000					55,000
46	Lincoln, San Fernando to Kenmer	145,000					145,000
47	Whitnall HW, Fairview to 125 Whitnall HW	60,000					60,000
48	Bob Hope Dr, Riverside to Dead End	60,000					60,000
49	Mariposa, Chestnut to Burbank	160,000					160,000
50	Scott, Tulare to Glenoaks	450,000					450,000
51	Brighton, Thornton to San Fernando	80,000					80,000
52	Hollywood Way, Jefferies to Victory		350,000				350,000
53	Mariposa, Clark to Magnolia		210,000				210,000
54	Toluca Lake Ave, Olive to Rose		190,000				190,000
55	Pepper, Edison to Allan		175,000				175,000
56	Lamer, Magnolia to Chandler		150,000				150,000
57	Monterey, Lincoln to Orchard		300,000				300,000
58	7th Street, Angeleno to Tujunga			150,000			150,000
59	Alley South of San Fernando, Olive to Orange Grove			150,000			150,000
60	Evergreen, Clark to Magnolia			250,000			250,000
61	Reese, Monterey to Lockheed Channel, Replace 4" CI with 8" DI, 600 LF			110,000			110,000
62	Ford Street, Clark Ave to Magnolia Blvd			275,000			275,000
63	Pass, Burbank to Chandler			250,000			250,000
64	Orchard, Clark to Magnolia			150,000			150,000
65	Irving Drive, Glenoaks to Scott				110,000		110,000
66	Ally North of Orange Grove, Sunset Canyon to Kenneth Road				220,000		220,000
67	Ally South of Olive, Bel Aire Dr. to Kenneth Road				220,000		220,000
68	Alley N/O Orange Grove, Glenoaks to Sixth				240,000		240,000
69	Catalina, Burbank to Wyoming				100,000		100,000
70	6th, Eaton to Andover				325,000		325,000
71	Frederic, Frederic to Thornton				110,000		110,000
72	Buena Vista, Chandler to Burbank, Replace 6" SS with 8" DI, 1,250 LF					275,000	275,000
73	Cypress & San Jose, Glenoaks to 3rd, Cypress					100,000	100,000
74	Cypress & San Jose, Glenoaks to 3rd, San Jose					100,000	100,000
75	Cypress & San Jose, Glenoaks to 3rd, Magnolia					100,000	100,000
76	Parkside, Parish to Reese					100,000	100,000
77	Brighton, Pacific to Monterey					100,000	100,000
78	Deleware & Cornell, from Glenoaks to 3rd					275,000	275,000
79	Street Improvements Coordination Project (Clear Street Improvements)	12,500	12,500	12,500	12,500	12,500	62,500
80	Hydrants replacement	110,000	110,000	110,000	110,000	110,000	550,000
81	Service Replacement Due to Tree Roots	95,000	95,000	95,000	95,000	95,000	475,000
82	Service Replacement Tie-overs to New Water Mains	10,000	10,000	10,000	10,000	10,000	50,000
83	Service Replacement Valves on Existing Fire Services	35,000	35,000	35,000	35,000	35,000	175,000
84	Meter Replacements	1,438,563	638,563	638,563	638,563	638,563	3,992,815

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1							
2	<b>Project</b>	<b>FY 17-18 Proposed</b>	<b>FY 18-19 Forecast</b>	<b>FY 19-20 Forecast</b>	<b>FY 20-21 Forecast</b>	<b>FY 21-22 Forecast</b>	<b>Total FY 2017/18 - 2021/22</b>
3							
4							
85	Valve Replacements	75,000	75,000	75,000	75,000	75,000	375,000
86	<b>Sub-Total</b>	<b>3,116,063</b>	<b>2,351,063</b>	<b>2,311,063</b>	<b>2,301,063</b>	<b>2,226,063</b>	<b>12,305,315</b>
87							
88	<b><u>Potable Large Water Mains</u></b>						
96	Hollywood Way, Pacific to Victory			375,000			375,000
100	Ontario, from 2950 Ontario to Cohasset St				150,000		150,000
102	Victory Blvd, Verdugo to Providencia					175,000	175,000
103	Alley South of Alameda, Glenoaks to San Fernando					250,000	250,000
104	Winona, Ontario to Hollywood Way		425,000				425,000
105	Lake, Olive to Providencia					450,000	450,000
109	Lake Street, North of Burbank Blvd Bridge				100,000		100,000
112	Replace Transmission Main Valve	200,000	200,000	200,000	200,000	200,000	1,000,000
114	<b>Sub-Total</b>	<b>200,000</b>	<b>625,000</b>	<b>575,000</b>	<b>450,000</b>	<b>1,075,000</b>	<b>2,925,000</b>
117							
118							
119							
120	<b><u>Potable Plant Replacement</u></b>						
121	Miscellaneous Equipment Replacement	35,000	35,000	35,000	35,000	35,000	175,000
122	<b>Sub-Total</b>	<b>35,000</b>	<b>35,000</b>	<b>35,000</b>	<b>35,000</b>	<b>35,000</b>	<b>175,000</b>
123							
124	<b><u>Potable Automation and Control</u></b>						
125	Water Supervisory Control and Data Acquisition (SCADA) Equipment Replacement	20,000	20,000	20,000	20,000	20,000	100,000
126	Programmable Logic Controller (PLC) 5 Replacements - VPP, Blend, GAC & B-1	150,000	100,000				250,000
128	<b>Sub-Total</b>	<b>170,000</b>	<b>120,000</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>350,000</b>
129							
130	<b><u>Potable Boosters</u></b>						
132	Modernize Equipment - B-1 MCC				125,000		125,000
133	Valley Pumping Plant		125,000	100,000	125,000		350,000
134	Reservoir 5 Booster Station Upgrade	60,000	125,000				185,000
135	<b>Sub-Total</b>	<b>60,000</b>	<b>250,000</b>	<b>100,000</b>	<b>250,000</b>	<b>-</b>	<b>660,000</b>
136							
137	<b><u>Potable Production Facilities</u></b>						
138	Rebuild Well Pumps #7 & 15				75,000		75,000
139	Alternative Feed of MWD Water	30,000					30,000
141	Granular Activated Carbon (GAC) - Architectural Screening		-	15,000	75,000		90,000
142	<b>Sub-Total</b>	<b>30,000</b>	<b>-</b>	<b>15,000</b>	<b>150,000</b>	<b>-</b>	<b>195,000</b>
143							
144	<b><u>Potable Miscellaneous Facilities</u></b>						
147	Security Improvements	25,000	25,000	25,000	25,000	25,000	125,000
152	<b>Sub-Total</b>	<b>25,000</b>	<b>25,000</b>	<b>25,000</b>	<b>25,000</b>	<b>25,000</b>	<b>125,000</b>
155							
156							
157							
158	<b><u>Potable Storage - Reservoirs and Tanks</u></b>						

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1							
2	<b>Project</b>	<b>FY 17-18 Proposed</b>	<b>FY 18-19 Forecast</b>	<b>FY 19-20 Forecast</b>	<b>FY 20-21 Forecast</b>	<b>FY 21-22 Forecast</b>	<b>Total FY 2017/18 - 2021/22</b>
3							
4							
159	Reservoir #5 Install Stair Access			20,000			20,000
160	Reservoir #4 Install Vents			10,000			10,000
164	Seismic Retrofits - Flextend and Seismic Valve	40,000		40,000			80,000
166	Interior Joint Replacement/Crack Repair		300,000	200,000			500,000
167	Re-roof Reservoir #2		200,000				200,000
168	Reroof Granular Activated Carbon (GAC) & Valley Forebays	300,000		100,000			400,000
170	Painting Program (Interior and Exterior)	100,000	120,000	90,000	120,000	90,000	520,000
171	<b>Sub-Total</b>	<b>440,000</b>	<b>620,000</b>	<b>460,000</b>	<b>120,000</b>	<b>90,000</b>	<b>1,730,000</b>
174							
175	<b><u>Water Fund's Share of Common Projects</u></b>						
179	Roof Replacement Program	9,143	28,750	28,750	28,750	28,750	124,143
180	Delta Controls Software and EMS (Adm Building)	3,163					3,163
187	Facilities Painting Program	23,000	11,500	11,500	11,500	11,500	69,000
202	Work Order Asset Management (WAM) Upgrade			172,500			172,500
203	OT Network Monitoring	19,251					19,251
204	BWP Campus Network Update 10G	34,621					34,621
205	BWP Campus Security	13,155					13,155
206	Meter Data Management System Upgrade and Update				45,000		45,000
208	Customer Information System Upgrade	31,250	-	219,128	-	31,250	281,628
212	<b>Sub-Total</b>	<b>133,582</b>	<b>40,250</b>	<b>431,878</b>	<b>85,250</b>	<b>71,500</b>	<b>762,460</b>
213							
214	<b>Total for Potable Water</b>	<b>4,209,645</b>	<b>4,066,313</b>	<b>3,972,941</b>	<b>3,436,313</b>	<b>3,542,563</b>	<b>19,227,775</b>
248							
249	<b><u>Recycled CIP</u></b>						
250							
251	<b><u>Recycled System Expansion</u></b>						
256	Wildwood Canyon Park - Planning, Design, & Construction					145,000	145,000
258	Distribution mains to Zone 2 parcels			200,000	200,000		400,000
262	Olive, Virginia to Lake	375,000					375,000
264	Winona, Ontario to Hollywood Way		145,000				145,000
265	Hydrants	20,000	20,000	20,000	20,000	20,000	100,000
268	Meters - Recycled Water	14,105	14,105	14,105	14,105	14,105	70,525
273	Olive Recycled Main				250,000		250,000
274	Second Crossing Tie-in (Design & Construction)	225,000					225,000
276	<b>Total for Recycled Distribution</b>	<b>634,105</b>	<b>179,105</b>	<b>234,105</b>	<b>484,105</b>	<b>179,105</b>	<b>1,710,525</b>
277							
278							
279	<b><u>Recycled Automation and Control</u></b>						
280	Water Supervisory Control and Data Acquisition (SCADA) Equipment Replacement	5,000	5,000	10,000	10,000	10,000	40,000
283	Installation of a Remote Pressure Monitoring System on Zone#1	25,000					25,000
288	Equipment, Pump & Motor Replacements/Overhaul	15,000	15,000	15,000	15,000	15,000	75,000
291	Direct Potable Reuse - Study	75,000					75,000
292	System Optimization Study	125,000					125,000

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1							
2	<b>Project</b>	<b>FY 17-18 Proposed</b>	<b>FY 18-19 Forecast</b>	<b>FY 19-20 Forecast</b>	<b>FY 20-21 Forecast</b>	<b>FY 21-22 Forecast</b>	<b>Total FY 2017/18 - 2021/22</b>
3							
4							
293	<b>Total for Recycled Production</b>	<b>245,000</b>	<b>20,000</b>	<b>25,000</b>	<b>25,000</b>	<b>25,000</b>	<b>340,000</b>
294							
295							
296	<b>Recycled Storage - Reservoirs and Tanks</b>						
297	Tank Replacement - Wildwood Tank	40,000	150,000				190,000
300	Painting Program - Steel Tanks	100,000	-				100,000
301	<b>Total for Recycled Storage - Reservoirs and Tanks</b>	<b>140,000</b>	<b>150,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>290,000</b>
302							
303	<b>Total for Recycled Water</b>	<b>1,019,105</b>	<b>349,105</b>	<b>259,105</b>	<b>509,105</b>	<b>204,105</b>	<b>2,340,525</b>
304							
305	<b>AIC - Water System Expansion</b>						
306	<b>Potable</b>						
307	System Expansion Services	225,000	250,000	250,000	250,000	250,000	1,225,000
308	System Expansion Meters	83,762	83,762	83,762	83,762	83,762	418,810
309	Caltrans Empire Interchange - San Fernando, Empire and Victory	55,000					55,000
310	<b>Sub-Total</b>	<b>363,762</b>	<b>333,762</b>	<b>333,762</b>	<b>333,762</b>	<b>333,762</b>	<b>1,698,810</b>
311	<b>Recycled</b>						
312	Service Recycled Water Expansion	10,000	10,000	10,000	10,000	10,000	50,000
313	<b>Sub-Total</b>	<b>10,000</b>	<b>10,000</b>	<b>10,000</b>	<b>10,000</b>	<b>10,000</b>	<b>50,000</b>
314							
315	<b>AIC - Water System Expansion Total</b>	<b>373,762</b>	<b>343,762</b>	<b>343,762</b>	<b>343,762</b>	<b>343,762</b>	<b>1,748,810</b>
316							
317	<b>Total for Potable and Recycled</b>	<b>5,602,512</b>	<b>4,759,180</b>	<b>4,575,808</b>	<b>4,289,180</b>	<b>4,090,430</b>	<b>23,317,110</b>
318							