

# Burbank Water and Power Fiscal Year 2020-21 Proposed Budget Water Fund Capital Plan

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Subject to Review and Change

	2020-21	2021-22	2022-23	2023-24	2024-25	FY 2020-21 to FY 2024-25
	Proposed	Forecast	Forecast	Forecast	Forecast	Forecast
<b>Potable CIP</b>						
Small Water Mains	1,652,911	2,342,911	2,297,911	2,674,211	3,081,563	12,049,506
Large Water Mains	1,295,000	1,100,000	1,710,000	1,595,000	1,410,000	7,110,000
Plant Replacement	35,000	35,000	35,000	35,000	35,000	175,000
Automation and Control	20,000	20,000	65,000	20,000	20,000	145,000
Boosters	1,480,000	-	-	175,000	1,500,000	3,155,000
Production Facilities	45,000	190,000	325,000	1,800,000	-	2,360,000
Miscellaneous Facilities	410,000	70,000	70,000	130,000	50,000	730,000
Storage - Reservoirs and Tanks	225,000	785,000	955,000	285,000	170,000	2,420,000
New Customer Projects/AIC	1,123,762	283,762	633,762	283,762	283,762	2,608,810
Water Fund's share of common projects	346,622	96,669	90,716	197,563	739,199	1,470,768 (A)
<b>Total Potable CIP</b>	<b>\$ 6,633,295</b>	<b>\$ 4,923,342</b>	<b>\$ 6,182,389</b>	<b>\$ 7,195,535</b>	<b>\$ 7,289,523</b>	<b>\$ 32,224,084</b>
<b>Recycled CIP</b>						
Recycled Water	146,605	271,605	301,605	146,605	106,605	973,025
<b>Total Recycled CIP</b>	<b>\$ 146,605</b>	<b>\$ 271,605</b>	<b>\$ 301,605</b>	<b>\$ 146,605</b>	<b>\$ 106,605</b>	<b>\$ 973,025</b>
<b>Total CIP</b>	<b>\$ 6,779,900</b>	<b>\$ 5,194,947</b>	<b>\$ 6,483,994</b>	<b>\$ 7,342,140</b>	<b>\$ 7,396,128</b>	<b>\$ 33,197,109</b>
Capital Outlay	47,530	16,496	16,826	17,163	17,506	115,521
Information Technology	39,993	12,800	15,000	15,000	23,000	105,792
Master Fleet Plan	106,725	995,035	463,855	385,000	304,711	2,255,326
<b>Subtotal Capital Outlay</b>	<b>194,248</b>	<b>1,024,331</b>	<b>495,681</b>	<b>417,163</b>	<b>345,217</b>	<b>2,476,640</b>
<b>Grand Total - Current Forecast</b>	<b>\$ 6,974,148</b>	<b>\$ 6,219,278</b>	<b>\$ 6,979,675</b>	<b>\$ 7,759,303</b>	<b>\$ 7,741,345</b>	<b>\$ 35,673,749</b>

Note:

(A) Includes 15% 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 2020-21 Proposed Budget  
Water Fund Capital Improvement Projects**

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Subject to Review and Change

	B	AS	AT	AU	AV	AW	BC
1	Project	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Total
2		Proposed	Forecast	Forecast	Forecast	Forecast	FY 2020/21 - 2024/25
3							
4							
5	<b>System Replacement/AIC</b>						
6	System Expansion Services	875,000	200,000	550,000	200,000	200,000	2,025,000
7	System Expansion Meters	83,762	83,762	83,762	83,762	83,762	418,810
8	Cypress, 3rd to Glenoaks (AC Hotel), Replace 6" CI with 12" DI, 300 LF (AIC Portion)	165,000					165,000
9	<b>Sub-Total</b>	<b>1,123,762</b>	<b>283,762</b>	<b>633,762</b>	<b>283,762</b>	<b>283,762</b>	<b>2,608,810</b>
10							
11	<b>Potable Small Water Mains</b>						
32	Walnut, Sixth to Kenneth				225,000		225,000
52	Monterey, Lincoln to Orchard	415,000					415,000
57	Reese, Monterey to Lockheed Channel, Replace 4" CI with 8" DI, 600 LF		250,000				250,000
58	Ford Street, Clark Ave to Magnolia Blvd		500,000				500,000
59	Pass, Burbank to Chandler			275,000			275,000
61	6th, 710 6th to Elmwood		70,000				70,000
62	Alley E/O 5th, Elmwood to Cedar		145,000				145,000
64	Cypress, 3rd to Glenoaks (AC Hotel), Replace 6" CI with 12" DI, 275 LF (BWP Portion)	85,000					85,000
65	Pass, Clark to Magnolia			300,000			300,000
66	Irving Drive, Glenoaks to Scott			150,000			150,000
67	Ally North of Orange Grove, Bel Aire to Kenneth Road					250,000	250,000
68	Ally South of Olive, Bel Aire Dr. to Kenneth Road				250,000		250,000
69	Alley N/O Orange Grove, Glenoaks to Sixth					250,000	250,000
70	Catalina, Burbank to Wyoming			125,000			125,000
71	6th, Eaton to Andover				350,000		350,000
73	Frederic/Naomi/Willow Loop			500,000			500,000
78	Parkside, Parish to Reese		225,000				225,000
79	Brighton, Pacific to Monterey			120,000			120,000
81	Alley N/O San Jose Glenoaks to N 3rd, Replace 6" SS with 12" DI, 551 LF					150,000	150,000
82	Alley N/O Orange Grove, 6th St to 7th St, Replace 4" SS with 8" DI, 594 LF					135,000	135,000
84	Alley N/O Verdugo, 7th St to Kenneth Rd, Replace 4" SS with 8" DI, 532 LF					120,000	120,000
87	Alley N/O Tujunga, 7th St to Kenneth Rd, Replace 4" SS with 8" DI, 520 LF					125,000	125,000
110	Street Improvements Coordination Project (Clear Street Improvements)	12,500	12,500	12,500	12,500	12,500	62,500
111	Hydrants replacement	80,000	80,000	80,000	80,000	80,000	400,000
112	Service Replacement Due to Tree Roots	95,000	95,000	95,000	95,000	95,000	475,000
113	Service Replacement Tie-overs to New Water Mains	10,000	10,000	10,000	10,000	10,000	50,000
114	Service Replacement Valves on Existing Fire Services	35,000	35,000	35,000	35,000	35,000	175,000
115	Meter Replacements	520,411	520,411	520,411	520,411	722,763	2,804,407
116	Advanced Metering Infrastructure				1,021,300	1,021,300	2,042,599
117	Valve Replacements	400,000	400,000	75,000	75,000	75,000	1,025,000
118	<b>Sub-Total</b>	<b>1,652,911</b>	<b>2,342,911</b>	<b>2,297,911</b>	<b>2,674,211</b>	<b>3,081,563</b>	<b>12,049,506</b>
122							

**Burbank Water and Power  
Fiscal Year 2020-21 Proposed Budget  
Water Fund Capital Improvement Projects**

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	B	AS	AT	AU	AV	AW	BC
1	Project	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Total
2		Proposed	Forecast	Forecast	Forecast	Forecast	FY 2020/21 - 2024/25
3							
123	<b>Potable Large Water Mains</b>						
132	Empire Ave, Naomi to Ontario, A New 12" DI Main, 1,200 LF	485,000					485,000
135	Ontario, from 2950 Ontario to Cohasset St		300,000				300,000
136	Victory Blvd, Verdugo to Providencia				225,000		225,000
140	Lake Street, North of Burbank Blvd Bridge		190,000				190,000
141	Palm Pump Station, Replace 12" CI Distribution Main with 20" DI, 162 LF				60,000		60,000
145	Burbank - 5 points to Beechwood 1250 LF 12"				400,000		400,000
146	Burbank, Beechwood to Parish 1250 LF 12"					400,000	400,000
151	Country Club Drive, Replace 6" CI with 12" DI from Sunset Canyon to Via Montana, 1,500 LF			400,000			400,000
153	Replace Transmission Main Valves	210,000	210,000	210,000	210,000	210,000	1,050,000
156	Hollywood Way, Victory to Burbank - Cement lined 3,500 LF of 20" main			700,000			700,000
157	Victory, Isabel to Chandler				300,000		300,000
158	Victory, Chandler to Magnolia					400,000	400,000
159	Magnolia, I-5 to 3rd	600,000					600,000
160	Magnolia, Victory to Mariposa			400,000			400,000
161	Magnolia, Mariposa to Reese				400,000		400,000
162	Magnolia, Reese to Keystone					400,000	400,000
165	Magnolia, BWP Campus to Victory		400,000				400,000
170	<b>Sub-Total</b>	<b>1,295,000</b>	<b>1,100,000</b>	<b>1,710,000</b>	<b>1,595,000</b>	<b>1,410,000</b>	<b>7,110,000</b>
171							
172	<b>Total for Potable Small &amp; Large Mains</b>	<b>1,585,000</b>	<b>2,080,000</b>	<b>2,270,000</b>	<b>2,210,000</b>	<b>2,230,000</b>	<b>10,375,000</b>
173							
174	<b>Total for Potable Distribution</b>	<b>4,071,673</b>	<b>3,726,673</b>	<b>4,641,673</b>	<b>4,552,973</b>	<b>4,775,325</b>	<b>21,768,316</b>
175							
178	<b>Potable Plant Replacement</b>						
179	Miscellaneous Equipment Replacement	35,000	35,000	35,000	35,000	35,000	175,000
180	<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>
181							
182	<b>Potable Automation and Control</b>						
183	Water Supervisory Control and Data Acquisition (SCADA) Equipment Replacement	20,000	20,000	20,000	20,000	20,000	100,000
187	SCADA Software Upgrade			45,000			45,000
189	<b>Sub-Total</b>	<b>20,000</b>	<b>20,000</b>	<b>65,000</b>	<b>20,000</b>	<b>20,000</b>	<b>145,000</b>
190							
191	<b>Potable Boosters</b>						
193	MWD B-1 Booster Station Improvements				175,000	1,500,000	1,675,000
195	Valley Pumping Plant (VPP) Booster Station Upgrade	1,480,000					1,480,000
201	<b>Sub-Total</b>	<b>1,480,000</b>	<b>-</b>	<b>-</b>	<b>175,000</b>	<b>1,500,000</b>	<b>3,155,000</b>
202							

**Burbank Water and Power  
Fiscal Year 2020-21 Proposed Budget  
Water Fund Capital Improvement Projects**

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	B	AS	AT	AU	AV	AW	BC
1	Project	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Total
2		Proposed	Forecast	Forecast	Forecast	Forecast	FY 2020/21 - 2024/25
3							
203	<b>Potable Production Facilities</b>						
208	Upper Zones Disinfection Residual Improvement/Upper Zones CL2 Booster	45,000	40,000				85,000
210	Valley Pumping Plant (VPP) Disinfection System			200,000	1,800,000		2,000,000
212	Rehabilitation of Well #7			125,000			125,000
213	Destruction of Well # 13		75,000				75,000
216	Destruction of Well# 6		75,000				75,000
218	<b>Sub-Total</b>	<b>45,000</b>	<b>190,000</b>	<b>325,000</b>	<b>1,800,000</b>	<b>-</b>	<b>2,360,000</b>
219							
220	<b>Potable Miscellaneous Facilities</b>						
222	Security Improvements	25,000	25,000	25,000	25,000	25,000	125,000
223	Paving of Facility Sites	25,000	25,000	25,000	25,000	25,000	125,000
224	Irrigation and Landscape Improvements (Res 1 & Res 4)	35,000	20,000	20,000	80,000		155,000
226	Facility Inspection Development in MIMS software	75,000					75,000
231	Water Facility Master Plan	250,000					250,000
233	<b>Sub-Total</b>	<b>410,000</b>	<b>70,000</b>	<b>70,000</b>	<b>130,000</b>	<b>50,000</b>	<b>730,000</b>
234							
235	<b>Total for Potable Production</b>	<b>1,990,000</b>	<b>315,000</b>	<b>495,000</b>	<b>2,160,000</b>	<b>1,605,000</b>	<b>6,565,000</b>
236							
239	<b>Potable Storage - Reservoirs and Tanks</b>						
240	Reservoir #5 Install Stair Access	150,000					150,000
242	Reservoir #4 Install Stair Access		20,000	75,000			95,000
246	Twin Tanks Site Work		100,000				100,000
250	Reservoir Joint Replacement/Crack Repair		300,000	300,000	250,000		850,000
251	Reservoir # 2 Assessment		200,000				200,000
254	GAC Repairs		100,000				100,000
255	Reroof Valley Forebays			425,000			425,000
258	Interior Painting	75,000		120,000		120,000	315,000
259	Exterior Painting (Full Strip and Abatement)		65,000				65,000
260	Exterior Painting (Overcoat)			35,000	35,000	50,000	120,000
261	<b>Sub-Total</b>	<b>225,000</b>	<b>785,000</b>	<b>955,000</b>	<b>285,000</b>	<b>170,000</b>	<b>2,420,000</b>
262							
263	<b>Total for Potable Storage - Reservoirs and Tanks</b>	<b>225,000</b>	<b>785,000</b>	<b>955,000</b>	<b>285,000</b>	<b>170,000</b>	<b>2,420,000</b>
264							
265	<b>Total for Potable Water System</b>	<b>6,286,673</b>	<b>4,826,673</b>	<b>6,091,673</b>	<b>6,997,973</b>	<b>6,550,325</b>	<b>30,753,316</b>
267							
270	<b>Recycled System Expansion</b>						
284	Hydrants	10,000	10,000	10,000	10,000	10,000	50,000
286	Services (Under New Policy)	10,000	10,000	10,000	10,000	10,000	50,000
287	Meters - Recycled Water	14,105	14,105	14,105	14,105	49,105	105,525
288	<b>Sub-Total</b>	<b>34,105</b>	<b>34,105</b>	<b>34,105</b>	<b>34,105</b>	<b>69,105</b>	<b>205,525</b>
295							
296	<b>Total for Recycled Distribution</b>	<b>34,105</b>	<b>34,105</b>	<b>34,105</b>	<b>34,105</b>	<b>69,105</b>	<b>205,525</b>

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

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Subject to Review and Change

	B	AS	AT	AU	AV	AW	BC
1	Project	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Total
2		Proposed	Forecast	Forecast	Forecast	Forecast	FY 2020/21 - 2024/25
3							
297							
299	<b>Recycled Automation and Control</b>						
300	Water Supervisory Control and Data Acquisition (SCADA) Equipment Replacement	10,000	10,000	10,000	10,000	10,000	50,000
301	SCADA Software Upgrade			30,000			30,000
307	<b>Sub-Total</b>	<b>10,000</b>	<b>10,000</b>	<b>40,000</b>	<b>10,000</b>	<b>10,000</b>	<b>80,000</b>
308							
309	<b>Recycled Boosters</b>						
312	Recycled Equipment Replacement	15,000	15,000	15,000	15,000	15,000	75,000
316	<b>Sub-Total</b>	<b>15,000</b>	<b>15,000</b>	<b>15,000</b>	<b>15,000</b>	<b>15,000</b>	<b>75,000</b>
318	<b>Recycled Miscellaneous Facilities</b>						
324	Security Improvements	12,500	12,500	12,500	12,500	12,500	62,500
325	<b>Sub-Total</b>	<b>12,500</b>	<b>12,500</b>	<b>12,500</b>	<b>12,500</b>	<b>12,500</b>	<b>62,500</b>
326							
327	<b>Total for Recycled Production</b>	<b>37,500</b>	<b>37,500</b>	<b>67,500</b>	<b>37,500</b>	<b>37,500</b>	<b>217,500</b>
329	<b>Recycled Storage - Reservoirs and Tanks</b>						
330	Tank Replacement - Wildwood Tank			200,000			200,000
334	Painting Program - Steel Tanks	75,000	200,000		75,000		350,000
335	<b>Total for Recycled Storage - Reservoirs and Tanks</b>	<b>75,000</b>	<b>200,000</b>	<b>200,000</b>	<b>75,000</b>	<b>-</b>	<b>550,000</b>
336							
337	<b>Total for Recycled Water</b>	<b>146,605</b>	<b>271,605</b>	<b>301,605</b>	<b>146,605</b>	<b>106,605</b>	<b>973,025</b>
340							
341	<b>Total for Potable and Recycled</b>	<b>6,433,278</b>	<b>5,098,278</b>	<b>6,393,278</b>	<b>7,144,578</b>	<b>6,656,930</b>	<b>31,726,341</b>
343							
344	<b>Water Fund's Share of Common Projects</b>						
346	Operational Reliability	23,000	-	-	-	-	23,000
347	Security Operations Center (SOC)/Network Operations Center (NOC)	28,750	-	-	-	-	28,750
348	Data Center Hardware	-	63,250	-	-	-	63,250
355	Roof Replacement Program	14,375	11,500	8,625	8,625	8,625	51,750
358	BWP Administrative Building Lighting Upgrade	11,500	-	-	-	-	11,500
364	HVAC Upgrade for Campus Buildings	30,222	21,919	29,716	30,947	30,924	143,727
374	Vertical Lift Module	-	-	-	-	69,000	69,000
383	Oracle Enterprise Business System (eBS) Upgrade	12,075	-	-	-	93,150	105,225
385	Workorder Asset Management system Upgrades	-	-	-	57,500	-	57,500
386	Hyperion Upgrades	-	-	-	26,491	-	26,491
389	Meter Data Management System Upgrade and Update	-	-	43,750	-	43,750	87,500
392	Customer Information System Upgrade/Replacement	-	-	-	-	437,500	437,500
394	Interactive Voice Response (IVR) Upgrade	-	-	-	6,250	-	6,250
395	Customer Web Portal	-	-	-	-	56,250	56,250
396	Customer Information System Upgrade	-	-	-	56,250	-	56,250
397	Customer Payment Options	9,375	-	-	-	-	9,375
398	CRM/Analytics	125,000	-	-	-	-	125,000
399	BWP Website	50,000	-	-	-	-	50,000
400	Customer Service Call Center Study	18,750	-	-	-	-	18,750
401	OT Cyber Security Protection & Monitoring	11,500	-	8,625	-	-	20,125

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

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	B	AS	AT	AU	AV	AW	BC
1	<b>Project</b>	<b>FY 20-21</b>	<b>FY 21-22</b>	<b>FY 22-23</b>	<b>FY 23-24</b>	<b>FY 24-25</b>	<b>Total</b>
2		<b>Proposed</b>	<b>Forecast</b>	<b>Forecast</b>	<b>Forecast</b>	<b>Forecast</b>	<b>FY 2020/21 - 2024/25</b>
3							
402	BWP Campus Network Update	4,025	-	-	-	-	4,025
403	BWP Enterprise Security	8,050	-	-	11,500	-	19,550
408	<b>Sub-Total</b>	<b>346,622</b>	<b>96,669</b>	<b>90,716</b>	<b>197,563</b>	<b>739,199</b>	<b>1,470,768</b>
409							-
410	<b>Grand Total Water Fund CIP Projects</b>	<b>6,779,900</b>	<b>5,194,947</b>	<b>6,483,994</b>	<b>7,342,140</b>	<b>7,396,128</b>	<b>33,197,109</b>