

2022 Budget Workshop

Water Fund

48.75 Miles of line

524 Valves

170 Hydrants, 26 standpipes

2099 Meters, 1146 Radio Reads

161 New Meter Installations YTD

21 New services

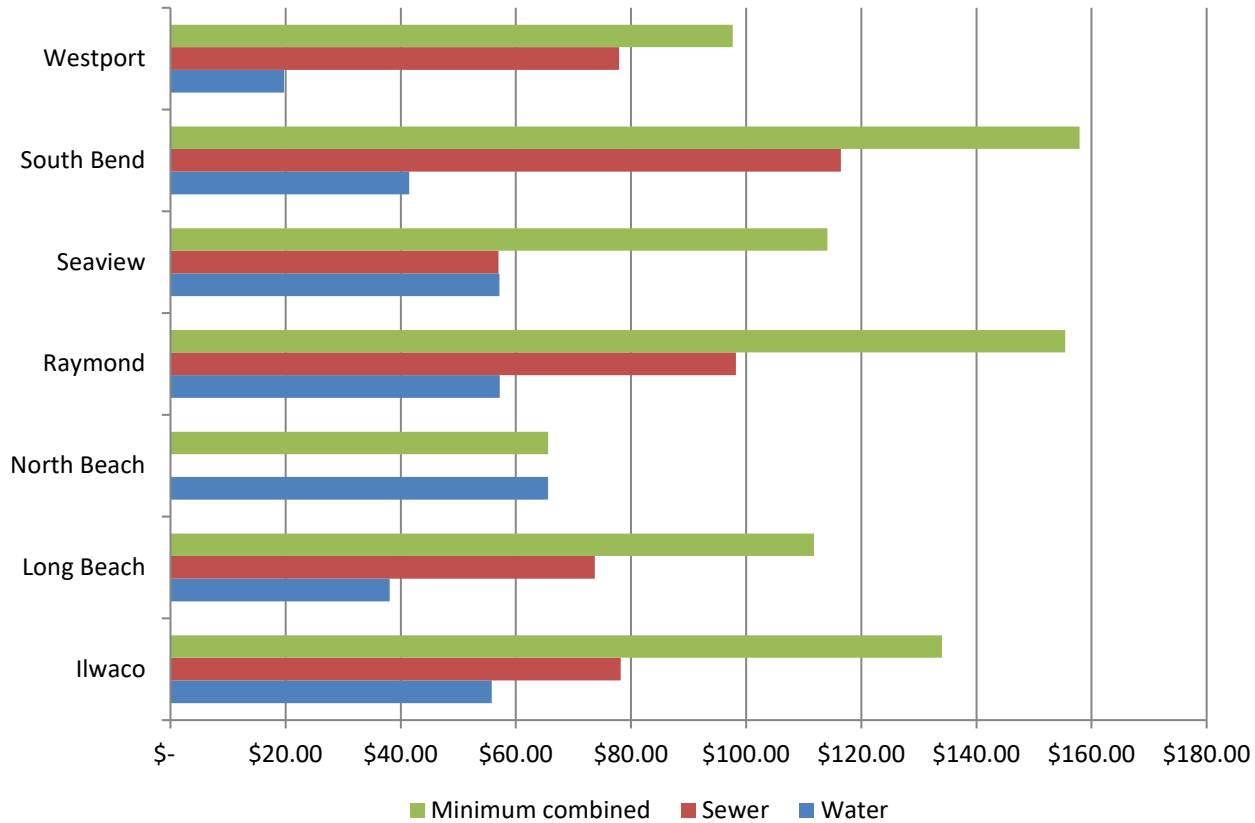
132 Move Outs YTD

151 Locates YTD

12,957,000 Gallons Treated YTD

2022 Budget

Water Fund – 2021 Rate Comparison @ 400 Cubic Feet



2021 Rates	Ilwaco	Long Beach	North Beach	Raymond	Seaview	South Bend	Westport
Water	\$ 55.80	\$ 38.09	\$ 65.57	\$ 57.20	\$ 57.14	\$ 41.45	19.75

Rate increase as proposed is \$1.14 per month, \$13.68 per year. This is a 3% increase.

2022 Budget

Water Rates

		Proposed	
	2021	2022	Difference
Residential	\$ 38.09	\$ 39.23	\$ 1.14
Senior Low income	Discount		
\$25,475-\$29,631	15%	\$ 33.35	\$ 5.88
\$15,796-\$25,474	30%	\$ 27.47	\$ 11.76
\$9,519-\$15,795	45%	\$ 21.58	\$ 17.65
\$9,518 and under	60%	\$ 15.70	\$ 23.53

2022 Budget

Monthly Water Rates

<u>Inside City Limits:</u>				
METER SIZE	2019	2020	2021	2022
Residential 3/4 - 1"	\$36.26	\$37.71	\$38.09	\$39.23
Commercial 3/4 1"	\$43.13	\$44.86	\$45.30	\$46.66
Commercial 1.5"	\$51.31	\$53.36	\$53.90	\$55.51
Commercial 2"	\$74.10	\$77.06	\$77.83	\$80.17
Commercial 3"	\$100.68	\$104.71	\$105.75	\$108.93
<u>Outside City Limits:</u>				
METER SIZE	2019	2020	2021	2022
Residential 3/4 - 1"	\$54.41	\$56.59	\$57.15	\$58.87
Commercial 3/4 1"	\$64.69	\$67.28	\$67.95	\$69.99
Commercial 1.5"	\$76.91	\$79.99	\$80.79	\$83.21
Commercial 2"	\$111.15	\$115.60	\$116.75	\$120.25
Commercial 3"	\$151.03	\$157.07	\$158.64	\$163.40
<u>Inside City Limits:</u>				
Subservice Charge	\$3.81	\$3.96	\$4.00	\$4.12
Nursing Home / Bed	\$1.45	\$1.51	\$1.52	\$1.57
Commodity / 100 cu ft.	\$6.48	\$6.74	\$6.81	\$7.01
<u>Outside City Limits:</u>				
Subservice Charge	\$5.70	\$5.93	\$5.99	\$6.17
Nursing Home / Bed	\$2.16	\$2.25	\$2.27	\$2.34
Commodity / 100 cu ft.	\$6.48	\$6.74	\$6.81	\$7.01

2022 Budget

DOH 10-year Comprehensive Plan Approved

Recommended Improvement	Project Cost ⁽¹⁾		Project Year	Purpose/Trigger
Water Treatment				
WT-1: Backwash Basin Improvements	\$73,000		2023	Install liner in backwash basin.
WT-2: Clearwell Pump	\$44,000		2022	Purchase two spare clear well pumps
WT-3: Dohman Raw Water Transmission Main Check Valve	\$26,000		2023	Install check valve on raw water transmission line.
Storage				
ST-2: Reservoir 2 Recoating	\$892,000		2028	Recoat interior and exterior of Reservoir 2.
Booster Pump Station				
B-1: Booster Pump Station Upgrades	\$2,271,000		2030-2039	Replace existing booster pump station
Distribution System				
D-1: Ocean Beach Boulevard North	\$1,999,000		2024	Install 4,800 feet of 12-inch main from 10th St. N to 26th St N.
D-2: Ocean Beach Boulevard South	\$2,053,000		2026	Install 4,900 feet of 12-inch main from 42nd Place to 10th St. S.
D-3: 17th Street South	\$369,000		2025	Install 1,100 feet 8-inch main from Ocean Beach Blvd. to Idaho St.
D-4: Washington Avenue	\$2,345,000		2027	Install 7,100 feet of 8-inch main from 35th St. to Sid Snyder Dr.
D-5: V Place	\$980,000		2029	Install 3,100 feet of 8-inch main on V-Pace and 66th Place, loop 68th Place to Sid Snyder Dr.
D-6: 67th Place	\$2,023,000		2030-2039	Install 4,500 feet of 16-inch main.
Miscellaneous Projects				
M-1: Service Meter Replacement	\$250,000	(2)	2018-2023	Annual meter replacement
M-2: Leak Detection	\$10,000	(2)	2020-2029	Annual Leak Detection
M-3: Water System Plan Update			2029	Water System Plan Update required every 10 years
M-4: Water Rate Study	\$40,000		2022	Develop 5-year water service rate schedule and connection charges
M-5: Water Rights Consolidation	\$10,000		2023	Work with Ecology to consolidate water rights.
M-6 - Preventative Maintenance Program/Standard Operations Procedure Development	\$10,000		ongoing	
Original Amount:	\$13,395,000			
Total:	\$13,145,000			

2022 Budget

Water Fund

Item	2022	2023	2024	2025	2026
WT-2: Clearwell Pump	\$44,000				
M-4: Water Rate Study	\$42,000				
WT-3: Dohman Raw Water Transmission Main Check Valve		\$26,000			
WT-1: Backwash Basin Improvements		\$73,000			
M-5: Water Rights Consolidation		\$10,000			
D-1: Ocean Beach Boulevard North			\$1,999,000		
D-3: 17th Street South				\$369,000	
D-2: Ocean Beach Boulevard South					\$2,053,000
Totals	\$86,000	\$109,000	\$1,999,000	\$369,000	\$2,053,000

Both items in the 2022 column are included in the presented budget.

2022 Budget

Water Fund

	Annual Requirements	
1	GE Analytical Instruments	\$5,000.00
	Annual testing & calibration of the plants lab equipment	
2	Cascade Machinery Service	\$3,500.00
	Annual testing & maintenance of the plant air compressors	
3	TMG Services	\$2,000.00
	Annual testing & maintenance of the plant hypo disinfectant system.	
4	Pall Tech Support	\$6,000.00
	Annual tech support for the plant main drive electronic control system.	
5	Pacific Power Generation	\$4,500.00
	Annual testing & tech support for the plant and Dolman backup generators	
6	Measure Tech	\$2,500.00
	Annual verification of pressure and level sensor performance	
7	Evergreen Septic	\$3,500.00
	Annual Cleaning of sediment ponds/CIP basin	
8	Northwest Motor Service	\$8,700.00
	Annual testing of motors & pumps at treatment facility	
9	Smart Tech Systems Inc.	\$150.00/hr
	Plant program engineer for process and control issues	
		\$35,700.00

All items included in presented budget

2022 Budget

Water Fund

Mandated by the Washington State Department of Health		
10	BMI Inc.	\$2,000.00
	Water conservation program	
11	BMI Inc.	\$18,000.00
	Backflow Prevention Program	
12	Earth Tech	
	Algae control for reservoirs	\$7,000.00
13	Gray & Osborne	
	Water Rate Study	\$42,000.00
14	Watershed Signs	\$1,500.00
		\$70,500.00
Capital Equipment		
15	Whitney Pump	\$44,000.00
	2 new backup vertical turbine pumps for clearwell at WTP	
16	Small Pole Building for storage of equipment	\$35,000.00
		\$79,000.00

All items included in presented budget

2022 Budget

Water Fund

	Training	
17	Continuing Education	\$12,000.00
	Water operators CEU's and licenses	
18	Certification Upgrades	\$3,000.00
	Three upgrades are needed	
		\$15,000.00
	Equipment Needs	
19	Pacific Safety Supply Company	\$3,500.00
	Safety equipment replacement/new purchase	
20	Pollard Water Supply	\$1,000.00
	Testing glassware	
21	USA Bluebook	\$3,500.00
	Tools	
22	D&R Field Mower	\$6,000.00
23	Pro Tech - outfit new truck	\$2,000.00
24	Western Mule - Bumper crane for truck	\$5,800.00
25	New HP laptop	\$1,400.00
		\$23,200.00
	Mechanic Shop	
26	Snap on Tools	\$2,000.00
	Tool Repair/Replacement	
27	Engine Tech Software Upgrade	\$1,000.00
	Annual software upgrade	
28	Parts and Software Annual Upgrade	\$1,000.00
		\$4,000.00

2022 Budget

Training and Certification Plan

Current Certifications

Jake – WTPO 2, WDM 2, Asbestos Certification

Matt W – WTPO 1, WWTPO 1, WDS 1, Asbestos Certification

Tim – WDS 1, Asbestos Certification

Larry – Asbestos Certification – WTPO in Training

Tye – WWTPO, WDS 1, CCS, Asbestos Certification

Matt M – Asbestos Certification

Kyle – Asbestos Certification

Tim P – Multiple SAE Mechanic Certs, Asbestos Certification

WTPO – Water Treatment Plant Operator

WDS – Water Distribution Specialist

WDM – Water Distribution Manager

WWTPO – Wastewater Treatment Plant Operator

CCS- Cross Connection Control Specialist

SAE – Mechanic Certifications

2022 Budget

Water Fund

CITY OF LONG BEACH	2022 Budget				
WATER OPERATIONS FUND - 401					
	2022 Budget	2021 Estimated	2021 Budget	2020 Actual	2019 Actual
REVENUE					
BEGINNING FUND BALANCE	520,400	403,980	275,430	96,042	74,724
TOTAL BEGINNING FUND BALANCE	520,400	403,980	275,430	96,042	74,724
BUSINESS TAXES					
WATER RECEIPTS	1,950,470	2,000,000	1,873,550	1,891,072	1,815,730
WATER CONNECTIONS	20,000	60,000	20,000	50,225	56,250
FUND CONTRIBUTIONS	2,000	2,000	2,000	1,783	3,945
TIMBER SALES				265,870	
PWTF Loan - South WA	-	489,000	489,000	3,088	
TOTAL REVENUES	1,972,470	2,551,000	2,384,550	2,212,038	1,875,925
OTHER RECEIPTS	3,000	3,000	3,000	39,612	53,746
TRANSFER IN FROM SINKING FUND 404					
TOTAL NON-REVENUES	3,000	3,000	3,000	39,612	53,746
Watershed Grant					
Loan repayment from Storm Water					10,000
TOTAL OTHER FINANCING SOURCES	-	-	-	-	10,000
TOTAL WATER OPERATIONS	2,495,870	2,957,980	2,662,980	2,347,692	2,014,395

2022 Budget

Water Fund

CITY OF LONG BEACH	2022 Budget				
WATER OPERATIONS FUND - 401					
DESCRIPTION	2022 Budget	2021 Estimated	2021 Budget	2020 Actual	2019 Actual
ENGINEERING PROFESSIONAL SERV.	45,000	5,000	5,000	9,493	15,424
SALARIES	513,996	479,995	479,995	479,667	524,678
BENEFITS	341,519	313,605	313,605	290,041	315,052
OPERATING SUPPLIES	175,000	175,000	175,000	194,191	188,500
RADIO READ METERS	200,000	175,000	200,000	175,067	182,237
OFFICE SUPPLIES	2,000	2,000	2,000	102	672
ACCOUNTING SERVICES	13,500	13,500	13,500	12,281	28,253
PROFESSIONAL SERVICES	40,000	40,000	40,000	35,107	42,096
COMMUNICATIONS	7,500	7,500	7,500	7,486	5,370
TRAVEL	4,000	4,000	4,000	1,339	5,248
ADVERTISING	500	500	500	502	800
INSURANCE	60,603	55,093	41,785	48,398	46,627
UTILITIES	34,000	34,000	34,000	35,315	31,391
REPAIRS & MAINTENANCE	70,000	70,000	70,000	276,509	83,863

2022 Budget

Water Fund

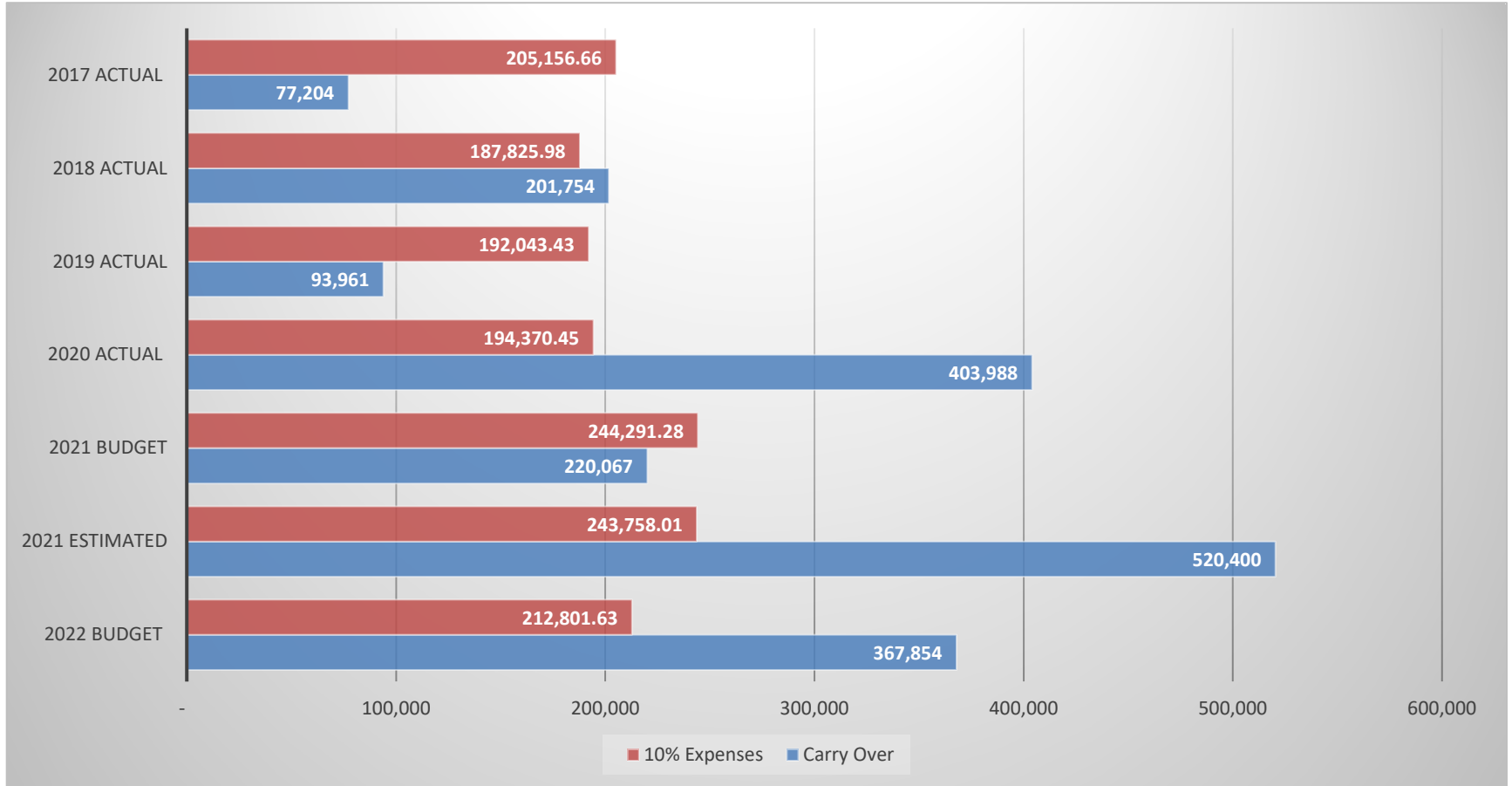
CITY OF LONG BEACH	2022 Budget				
WATER OPERATIONS FUND - 401					
DESCRIPTION	2022 Budget	2021 Estimated	2021 Budget	2020 Actual	2019 Actual
REFUNDS	5,000	5,000	5,000	1,154	-
EQUIPMENT	175,000	175,000	175,000	8,931	58,422
TRAINING	15,000	10,000	10,000	3,415	2,783
STATE EXCISE TAX	98,089	100,580	94,221	94,216	97,792
WATER LINE REPLACEMENT	25,000	25,000	25,000		
SOUTH WA		489,000	489,000	15,974	
TOTAL EXPENDITURES	1,825,707	2,179,773	2,185,106	1,689,188	1,629,208
CONTRIBUTION WATER SINKING FUND	100,000	65,000	65,000	65,000	100,000
1985 BOND REDEMP. CONTRIB.		43,136	43,136	39,510	40,886
PWTF LOAN - DOHMAN DAM REPAIR		7,362	7,362	7,549	7,736
USDA RURAL LOAN	101,354	101,354	101,354	101,354	101,354
USDA BOND RESERVE	10,135	10,135	10,135	10,135	10,135
PWTF - MICRO FILTER PLANT	30,820	30,820	30,820	30,968	31,115
PWTF - SO WA	60,000				
TOTAL OTHER FINANCING USES	302,309	257,807	257,807	254,516	291,226
TOTAL WATER OPERATIONS	2,128,016	2,437,580	2,442,913	1,943,704	1,920,434
Carry Over	367,854	520,400	220,067	403,988	93,961

2022 Budget

Water Fund

City of Long Beach					
WATER SINKING FUND -404					
	2022	2021	2021	2020	2019
DESCRIPTION	Budget	Estimate	Budget	Actual	Actual
Revenues					
BEGINNING FUND BALANCE	330,000	265,000	265,000	200,000	100,000
TOTAL BEGINNING FUND BALANCE	330,000	265,000	265,000	200,000	100,000
TOTAL REVENUES					-
TRANSFER FROM 401 - WATER	100,000	65,000	65,000	65,000	100,000
TOTAL WATER SINKING	430,000	330,000	330,000	265,000	200,000
Expenditures					
WATER SINKING FUND					
TRANSFER TO 401 - WATER					
TOTAL NON EXPENDITURES					-
LOAN TO WATER - 401					
TOTAL WATER SINKING EXPENDITURES	0.00	0.00	0.00	0.00	0.00
<i>Carry Over to next year</i>	430,000	330,000	330,000	265,000	200,000

2022 Budget Water Fund – Carry Over



2022 Budget

Water Fund – Loan Amortization Tables

	RD REVENUE BOND		PWTF LOAN	
	2.375% FIXED [Water Plant]		.05% FIXED [Water Plant Design]	
<u>Year</u>	<u>Principal</u>	<u>Interest</u>	<u>Principal</u>	<u>Interest</u>
2022	51,538	49,816	29,493	1,180
2023	52,705	48,649	29,493	1,032
2024	53,897	47,457	29,493	885
2025	55,117	46,237	29,493	737
2026	56,364	44,990	29,493	590
2027	57,639	43,715	29,493	442
2028	58,943	42,411	29,493	295
2029	60,277	41,077	29,493	147
2030	61,641	39,713		
TOTAL	2,663,000	1,388,813	562,650	31,570
<i>Total as of 1/2023</i>	2,175,039	812,310	206,454	4,129
PRIN & INT	101,354		30,673	