

2021 Budget Workshop

Water Fund

48.5 Miles of line

483 Valves

162 Hydrants, 25 standpipes

2086 Meters, 12,000 reads for billing

297 New Meter Installations YTD

18 New services

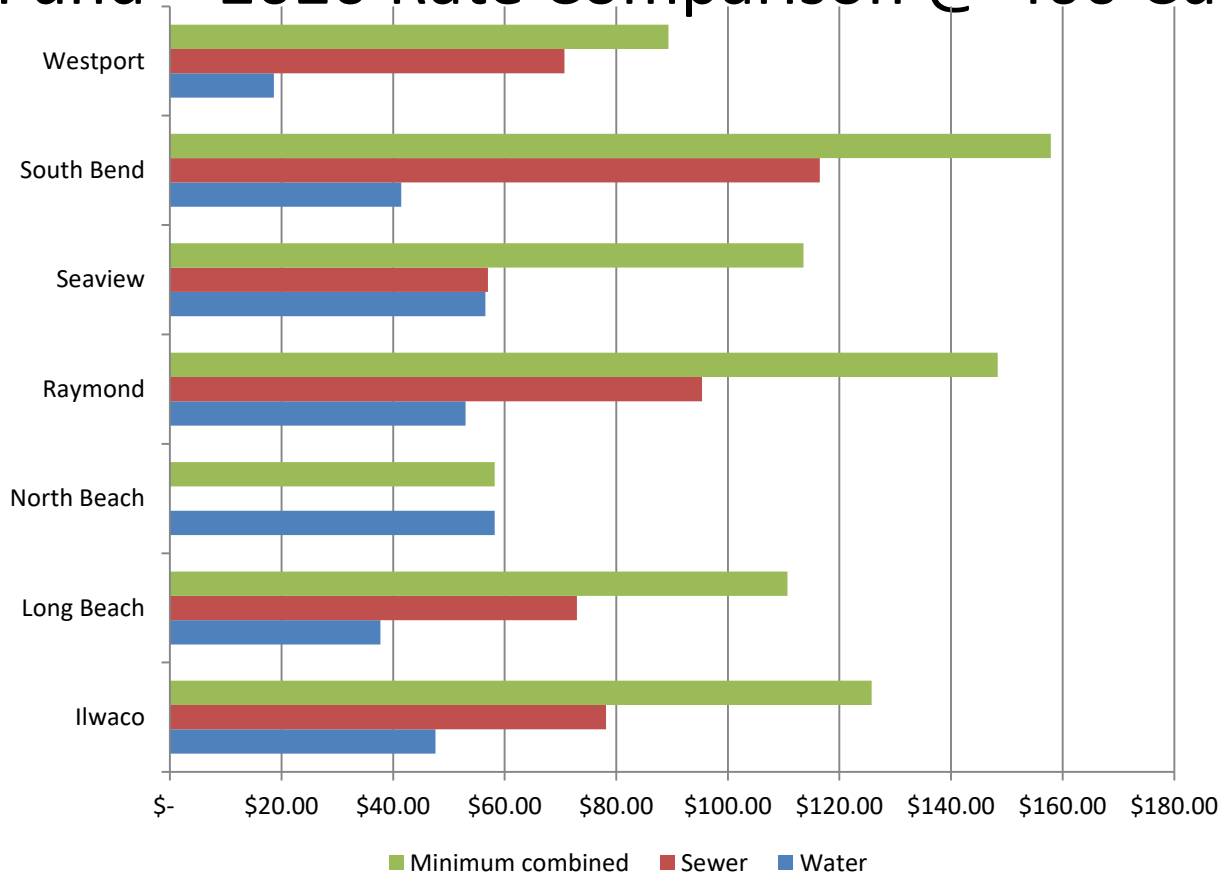
104 Move Outs YTD

149 Locates YTD

134,469,000 Gallons Treated YTD

2021 Budget

Water Fund – 2020 Rate Comparison @ 400 Cubic Feet



	Ilwaco	Long Beach	North Beach	Raymond	Seaview	South Bend	Westport
Water	\$ 47.62	\$ 37.71	\$ 58.22	\$ 53.00	\$ 56.57	\$ 41.45	18.62

Rate increase as proposed is .38¢ per month, \$4.56 per year. This is a 1% increase.

2021 Budget

Water Rates

			Proposed	
		2020	2021	Difference
Residential		\$ 37.71	\$ 38.09	\$ 0.38
Senior Low income	Discount			
\$25,475-\$29,631	5%	\$ 35.91	\$ 36.27	\$ 0.36
\$15,796-\$25,474	10%	\$ 34.28	\$ 34.62	\$ 0.34
\$9,519-\$15,795	25%	\$ 30.16	\$ 30.46	\$ 0.30
\$9,518 and under	40%	\$ 26.94	\$ 27.21	\$ 0.27

2021 Budget

Monthly Water Rates

<u>Inside City Limits:</u>				
METER SIZE	2018	2019	2020	2021
Residential 3/4 - 1"	\$35.20	\$36.26	\$37.71	\$38.09
Commercial 3/4 1"	\$41.88	\$43.13	\$44.86	\$45.30
Commercial 1.5"	\$49.82	\$51.31	\$53.36	\$53.90
Commercial 2"	\$71.94	\$74.10	\$77.06	\$77.83
Commercial 3"	\$97.75	\$100.68	\$104.71	\$105.75
<u>Outside City Limits:</u>				
METER SIZE	2018	2019	2020	2021
Residential 3/4 - 1"	\$52.83	\$54.41	\$56.59	\$57.15
Commercial 3/4 1"	\$62.81	\$64.69	\$67.28	\$67.95
Commercial 1.5"	\$74.67	\$76.91	\$79.99	\$80.79
Commercial 2"	\$107.91	\$111.15	\$115.60	\$116.75
Commercial 3"	\$146.63	\$151.03	\$157.07	\$158.64
<u>Inside City Limits:</u>				
Subservice Charge	\$3.70	\$3.81	\$3.96	\$4.00
Nursing Home / Bed	\$1.41	\$1.45	\$1.51	\$1.52
Commodity / 100 cu ft.	\$6.29	\$6.48	\$6.74	\$6.81
<u>Outside City Limits:</u>				
Subservice Charge	\$5.53	\$5.70	\$5.93	\$5.99
Nursing Home / Bed	\$2.10	\$2.16	\$2.25	\$2.27
Commodity / 100 cu ft.	\$6.29	\$6.48	\$6.74	\$6.81

2021 Budget

Water Fund

Future purchases and improvements:

Project / Item	Department	2021	2022	2023	2024	2025-	Funding Opportunities
Pall Micro Filter Replacement	Water	\$ 45,000					Rates
Remote Read Meters (Long Beach/Seaview)	Water	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000		DOE / PWTF Low Interest Loans / Rates
Washington 20th S. to Sid Snyder*	Water	\$ 900,000					PWTF
SCADA System Update	Water	\$ 20,000					Rates
Backwash Basin Improvements	Water			\$ 73,000			Rates
Ocean Beach Blvd North 10th to 26th N	Water				\$ 1,999,000		PWTF/ Rates
17th South - OBB to Idaho	Water					\$ 369,000	Rates

The purchases in the 2021 column have been incorporated into the 2021 budget. The city continues to move forward with the meter replacement program.

2021 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	\$4,500.00
	Annual tech support for the plant main drive electronic control system.	
5	Pacific Power Generation	\$3,400.00
	Annual testing & tech support for the plant and Dolman backup generators	
6	Measure Tech	\$2,000.00
	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	
		\$32,600.00

2021 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	\$13,000.00
		\$33,000.00
Capital Equipment		
13	Pall Inc	\$50,000.00
	Build out 24 filter canisters for water plant operations	
14	Whitney Pump	\$8,000.00
	New backup pump for Maddix Creek pump station.	
15	Northwest Motor Service	\$6,000.00
	Rebuild 10 hp VTP-040 pump for clearwell	
16	TMG Services	\$55,000.00
	Replacement hypo system for water plant	
17	CHN skid water heater – backup water heater for process and filter back	\$10,000.00
18	Control Improvements - SCADA upgrade	\$20,000.00
19	Cascade Machinery – Replacement compressor for plant	\$7,000.00
		\$156,000.00

2021 Budget

Water Fund

	Training	
20	Continuing Education	\$12,000.00
	Water operators CEU's and licenses	
21	Certification Upgrades	\$2,000.00
	Three upgrades are needed	
		\$14,000.00
	Equipment Needs	
22	Pacific Safety Supply Company	\$3,500.00
	Safety equipment replacement/new purchase	
23	Pollard Water Supply	\$2,000.00
	Tools/Replacement Tools	
24	C &H Equipment	\$600.00
	5500lb Pallet jack for water plant	
25	Backhoe Replacement - Split between 5 different departments	\$144,000.00
		\$150,100.00
	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
29	Symtech – headlight Alignment system	\$1,400.00
30	Fluke- 376 FC 1000A AC/DC Wireless clamp with iflex	\$450.00
31	Diagnostic Scan Tool– Replace old	\$6,000.00
		\$11,850.00

2021 Budget

Training and Certification Plan

Current Certifications

Don – WWTPO 1, WTPO 1, WDS 2, Asbestos Supervisor

Jake – WTPO 2, WDM 1, Asbestos Certification

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

Tim – WDS 1, Asbestos Certification

Larry – Asbestos Certification (WDM Fall 2020 – 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

2021 Budget

Water Fund

CITY OF LONG BEACH		2021 Budget				
WATER OPERATIONS FUND - 401						
		2020 Budget COVID Estimate	2020 Budget	2019 Actual	2018 Actual	2017 Actual
DESCRIPTION	2021 Budget					
REVENUE						
BEGINNING FUND BALANCE	275,430	93,961	130,842	74,724	141,502	100,396
TOTAL BEGINNING FUND BALANCE	275,430	93,961	130,842	74,724	141,502	100,396
BUSINESS TAXES						
WATER RECEIPTS	1,833,887	1,815,000	1,879,420	1,815,730	1,742,944	1,576,367
WATER CONNECTIONS	20,000	40,000	40,000	56,250	137,445	41,067
FUND CONTRIBUTIONS	2,000	2,000	10,000	3,945	34,982	4,926
TIMBER SALES		265,870	260,000			
PWTF Loan - South WA	489,000	11,000	500,000			
TOTAL REVENUES	2,344,887	2,133,870	2,689,420	1,875,925	1,915,571	1,622,360
OTHER RECEIPTS	3,000	30,000	3,000	53,746	39,717	35,400
TRANSFER IN FROM SINKING FUND 404						
TOTAL NON-REVENUES	3,000	30,000	3,000	53,746	39,717	35,400
Watershed Grant					21,980	
Loan repayment from Storm Water				10,000	10,000	10,000
TOTAL OTHER FINANCING SOURCES	-	-	-	10,000	31,980	10,000
TOTAL WATER OPERATIONS	2,623,318	2,257,831	2,823,263	2,014,395	2,128,770	1,768,156

2021 Budget

Water Fund

		2020 Budget COVID Estimate	2020 Budget	2019 Actual	2018 Actual	2017 Actual
DESCRIPTION	2021 Budget					
EXPENDITURES						
WATER OPERATIONS FUND - 401						
ENGINEERING PROFESSIONAL SERV.	5,000	30,000	65,000	15,424	66,725	33,192
SALARIES	486,202	486,000	476,408	524,678	512,607	478,647
BENEFITS	317,724	290,000	305,780	315,052	288,389	288,752
OPERATING SUPPLIES	175,000	180,000	172,000	188,500	198,951	174,790
RADIO READ METERS	175,000	180,000	200,000	182,237	215,732	7,182
OFFICE SUPPLIES	2,000	2,000	2,000	672	2,683	742
ACCOUNTING SERVICES	13,500	13,500	13,500	28,253	17,620	7,214
PROFESSIONAL SERVICES	40,000	40,000	40,000	42,096	38,222	47,452
COMMUNICATIONS	7,500	7,500	7,500	5,370	5,442	6,645
TRAVEL	4,000	2,000	7,000	5,248	5,407	3,623
ADVERTISING	500	500	500	800	404	519
INSURANCE	41,785	48,398	60,000	46,627	40,703	63,576
UTILITIES	34,000	34,000	34,000	31,391	32,507	33,260
REPAIRS & MAINTENANCE	70,000	270,000	315,000	83,863	54,568	97,487
REFUNDS	5,000	5,000	-	-	5,108	-
EQUIPMENT	175,000	30,000	100,000	58,422	127,011	10,730
TRAINING	10,000	5,000	10,000	2,783	6,673	3,147
STATE EXCISE TAX	92,226	91,276	80,000	97,792	67,263	79,996
South WA	489,000	11,000	500,000			
TOTAL EXPENDITURES	2,143,437	1,726,174	2,388,688	1,629,208	1,686,015	1,350,922

2021 Budget Water Fund

		2020 Budget COVID Estimate	2020 Budget	2019 Actual	2018 Actual	2017 Actual
DESCRIPTION	2021 Budget					
CONTRIBUTION WATER SINKING FUND	65,000	65,000	65,000	100,000	100,000	
1985 BOND REDEMP. CONTRIB.	43,136	40,886	40,886	40,886	42,261	43,636
PWTF LOAN - DOHMAN DAM REPAIR	7,362	7,736	7,736	7,736	7,924	8,111
USDA RURAL LOAN	101,354	101,354	101,354	101,354	101,354	101,354
USDA BOND RESERVE	10,135	10,135	10,135	10,135	10,135	17,667
PWTF - MICRO FILTER PLANT	30,820	31,115	31,115	31,115	31,263	31,411
TRANSFER TO CURRENT EXPENSE LOAN						
TOTAL OTHER FINANCING USES	257,807	256,226	256,226	291,226	362,552	273,832
TOTAL WATER OPERATIONS	2,401,244	1,982,401	2,644,915	1,920,434	2,051,567	1,626,796
Carry Over	222,073	275,430	178,348	93,961	77,204	141,359

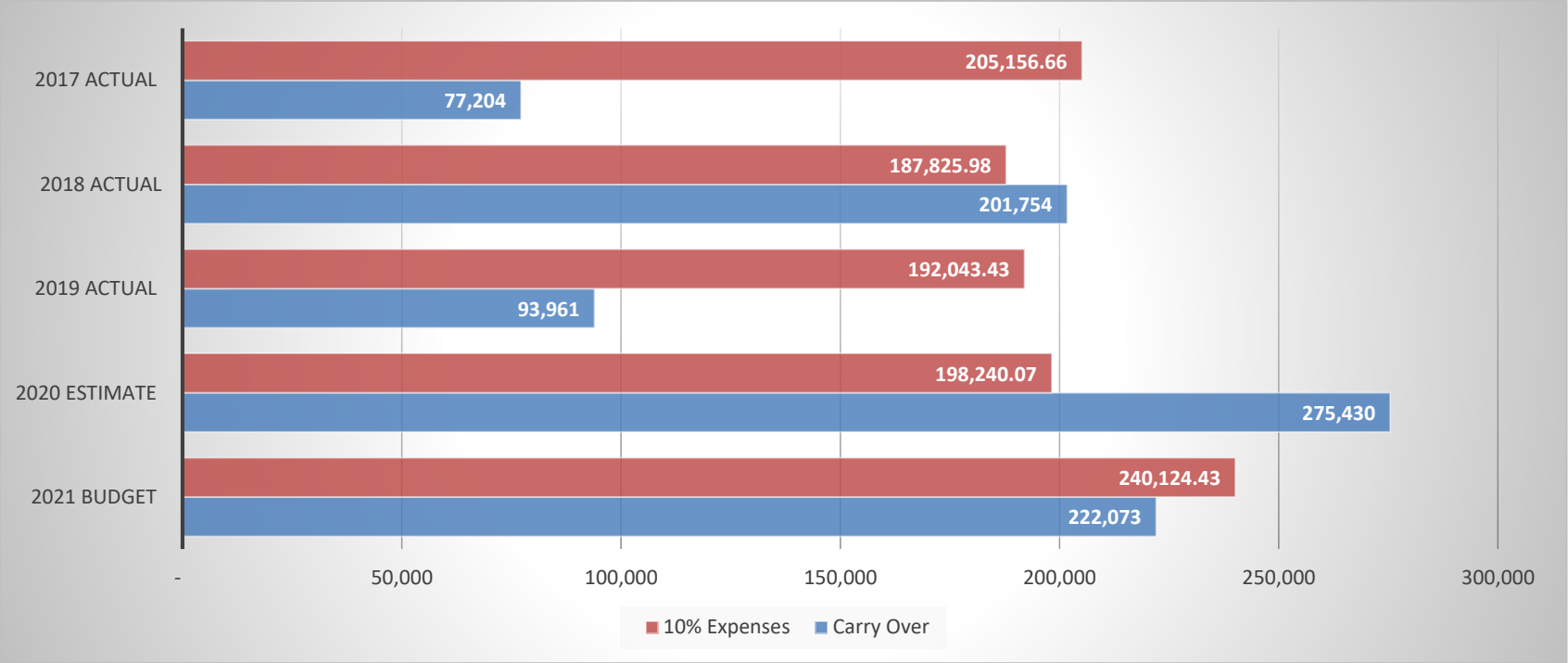
2021 Budget

Water Fund

City of Long Beach				
WATER SINKING FUND -404				
	2021	2020	2019	2018
DESCRIPTION	Budget	Estimate	Actual	Actual
Revenues				
BEGINNING FUND BALANCE	265,000	200,000	100,000	
TOTAL BEGINNING FUND BALANCE	265,000	200,000	100,000	
TOTAL REVENUES			-	
TRANSFER FROM 401 - WATER	65,000	65,000	100,000	100,000
TOTAL WATER SINKING	330,000	265,000	200,000	100,000
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
<i>Carry Over to next year</i>	330,000	265,000	200,000	100,000

2021 Budget

Water Fund – Carry Over



2021 Budget

Water Fund – Loan Amortization Tables

Year	GMAC 010587204 85 W/S/CAPMARK		GMAC 010587202 85 W/S/CAPMARK		Bank of New York 85 Water Refi 01		PW-06-962-ELP-301 PWTF Dohman Repairs		RD REVENUE BOND 2.375% FIXED [Water Plant]		PWTF LOAN .05% FIXED [Water Plant Design]	
	Principal	Interest	Principal	Interest	Principal	Interest	Principal	Interest	Principal	Interest	Principal	Interest
2021	1,522.92	517.08	7,522.10	1,923.90	30,000.00	1,650.00	6,239.02	1,123.02	50,398	50,955	29,493	1,327
2022	1,627.45	412.55	7,902.91	1,543.09			6,239.02	935.85	51,538	49,816	29,493	1,180
2023	1,739.16	300.84	8,302.99	1,143.01			6,239.02	748.68	52,705	48,649	29,493	1,032
2024	1,858.54	181.46	8,723.33	722.67			6,239.02	561.51	53,897	47,457	29,493	885
2025	1,373.75	53.90	8,093.35	281.05			6,239.02	374.34	55,117	46,237	29,493	737
2026							6,239.04	187.17	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	10,880.50	2,787.15	54,518.98	10,531.42	375,000.00	206,357.50	450,000.00	50,225.25	2,663,000	1,388,813	562,650	31,570
<i>Total as of 1/2022</i>	6,598.90	948.75	33,022.58	3,689.82	-	-	31,195.12	2,807.55	2,226,577	862,126	235,947	5,309
PRIN & INT	2,040.00		9,446.00		31,650.00		7,362.04		101,353		30,821	

- 2022 – Payment down \$31,650

182,671.78 2021 Payment