

2024 Budget Workshop

Water Fund

48.75 Miles of line

524 Valves

172 Hydrants, 26 standpipes

2139 Meters, 1411 Radio Reads

101 New Meter Installations (2023 YTD)

13 New services (2023 YTD)

57 Move Outs (2023 YTD)

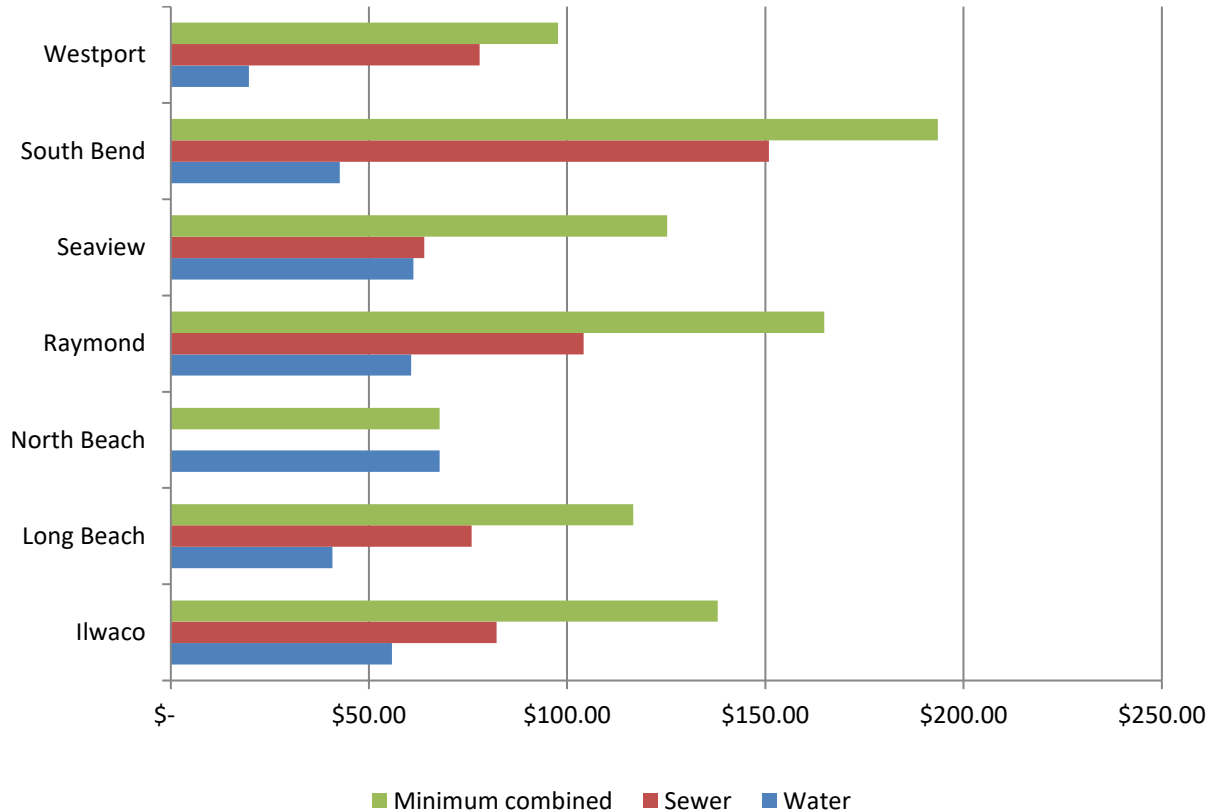
155 Locates (2023 YTD)

459,301 Gallons Treated on Average Per Day (2022)

493,035 Gallons Treated On Average Per Day (2021)

2024 Budget

Water Fund – 2023 Rate Comparison @ 400 Cubic Feet



2023 Rates	Ilwaco	Long Beach	North Beach	Raymond	Seaview	South Bend	Westport
Water	\$ 55.80	\$ 40.80	\$ 67.80	\$ 60.67	\$ 61.20	\$ 42.67	19.75

Rate increase as proposed is \$2.86 per month, \$34.32 per year. This is a 7% increase.

2024 Budget

Water Rates

		Proposed	
	2023	2024	Difference
Residential	\$ 40.80	\$ 43.66	\$ 2.86
Senior Low income	Discount		
\$25,475-\$29,631	15%	\$ 37.12	\$ 6.54
\$15,796-\$25,474	30%	\$ 30.57	\$ 13.09
\$9,519-\$15,795	45%	\$ 24.02	\$ 19.64
\$9,518 and under	60%	\$ 17.74	\$ 25.92

Discount Percentage	Qualifying Customers
15%	8
30%	10
45%	13
60%	3

2024 Budget

Monthly Water Rates

<u>Inside City Limits:</u>			
METER SIZE	2022	2023	2024
Residential 3/4 - 1"	\$39.23	\$40.80	\$ 43.66
Commercial 3/4 1"	\$46.66	\$48.53	\$ 51.93
Commercial 1.5"	\$55.51	\$57.73	\$ 61.77
Commercial 2"	\$80.17	\$83.38	\$ 89.21
Commercial 3"	\$108.93	\$113.28	\$ 121.21
<u>Outside City Limits:</u>			
METER SIZE	2022	2023	2024
Residential 3/4 - 1"	\$58.87	\$61.22	\$ 65.51
Commercial 3/4 1"	\$69.99	\$72.79	\$ 77.88
Commercial 1.5"	\$83.21	\$86.54	\$ 92.60
Commercial 2"	\$120.25	\$125.06	\$ 133.82
Commercial 3"	\$163.40	\$169.94	\$ 181.83
<u>Inside City Limits:</u>			
	2022	2023	2024
Subservice Charge	\$4.12	\$4.29	\$ 4.59
Nursing Home / Bed	\$1.57	\$1.63	\$ 1.75
Commodity / 100 cu ft.	\$7.01	\$7.29	\$ 7.80
<u>Outside City Limits:</u>			
	2022	2023	2024
Subservice Charge	\$6.17	\$6.41	\$ 6.86
Nursing Home / Bed	\$2.34	\$2.43	\$ 2.60
Commodity / 100 cu ft.	\$7.01	\$7.29	\$ 7.80

2024 Budget

Water Rate Study

Rate Scenario Summary

Scenario	Annual Rate Increase Range	Monthly Rate in 2028 ⁽¹⁾	Fund Expenses	Fund CIPs	CIP Schedule per WSP	Cash Funded CIPs
Base	0%	\$69.96	No	No	N/A	N/A
1	3% to 10%	\$89.14	Yes	No	N/A	N/A
2	4% to 50%	\$159.77	Yes	Yes	Yes	Yes
3	4% to 13%	\$105.39	Yes	Yes	Yes	No – Loans
4	3% to 10%	\$93.51	Yes	Yes	No – Delayed	No – Loans

(1) Typical monthly rate for residential, in-City customers assuming 200 gpd.

Scenario 3 Summary

Factor	2022	2023	2024	2025	2026	2027	2028
Rate Increase	0.0%	4.0%	13.0%	13.0%	6.0%	6.0%	5.0%
Beginning 401 Fund Balance	\$455,664	\$200,810	\$14,360	\$140,631	\$319,620	\$428,142	\$436,346
Income	\$2,002,500	\$2,109,100	\$2,404,700	\$2,739,700	\$2,932,900	\$3,142,500	\$3,333,400
Expenses	\$2,207,354	\$2,171,050	\$2,267,429	\$2,375,849	\$2,481,928	\$2,658,668	\$2,709,567
Net Income	(\$204,854)	(\$61,950)	\$137,271	\$363,851	\$450,972	\$483,832	\$623,833
CIP Expenses	(\$50,000)	(\$124,500)	(\$11,000)	(\$2,713,800)	(\$2,460,300)	(\$2,081,200)	(\$1,190,500)
CIP Loan Income	\$0	\$0	\$0	\$2,702,281	\$2,448,241	\$2,068,662	\$1,161,616
New CIP Debt	\$0	\$0	\$0	(\$173,344)	(\$330,391)	(\$463,090)	(\$537,604)
Ending Balance	\$200,810	\$14,360	\$140,631	\$319,620	\$428,142	\$436,346	\$493,690

Scenario 3 Rate Increase Required

Factor	2022	2023	2024	2025	2026	2027	2028
Rate Increase	0.0%	4.0%	13.0%	13.0%	6.0%	6.0%	5.0%
Base Long Residential Beach Monthly Bill ⁽¹⁾	\$67.27	\$69.96	\$79.06	\$89.33	\$94.69	\$100.37	\$105.39
Base Seaview Residential Monthly Bill ⁽¹⁾	\$86.91	\$90.39	\$102.14	\$115.41	\$122.34	\$129.68	\$136.16

(1) Assumes usage is equal to 1 ERU using 200 gallons per day. This results in approximately 800 cu. ft./mo., and 400 cu. ft./mo. is included in the City's base rates.

2024 Budget

System Connection Charges

		Multiplier						
Current Rate for Water	\$ 2,500							
Recommended by Plan	\$ 4,582	1.8328						
Max recommended by Plan	\$ 6,221	2.4884						
					\$4,582	\$6,221	\$4,582	\$6,221
		Actual	at \$4,582	at \$6,221	Difference	Difference	Rate difference	Rate differenc
Revenue from Hookups	2023	\$ 52,000	\$ 95,306	\$129,397	\$ 43,306	\$ 77,397	2.08%	3.72%
	2022	\$ 57,437	\$105,271	\$142,926	\$ 47,834	\$ 85,489	2.30%	4.24%
	2021	\$ 67,500	\$123,714	\$167,967	\$ 56,214	\$100,467	2.70%	4.85%
	2020	\$ 50,225	\$ 92,052	\$124,980	\$ 41,827	\$ 74,755	2.01%	3.95%
					\$189,181	\$338,108	9.10%	16.76%

		Current Water		
Price of new home / share of cost		hookup %	\$4,582	\$6,221
New Home	\$ 350,000	0.71%	1.31%	1.78%
New Home	\$ 600,000	0.42%	0.76%	1.04%
Resort 100 units +/-	\$ 13,000,000	0.68%	1.24%	1.69%
Restaurant 100 seats	\$ 1,000,000	1.00%	1.83%	2.49%

Good Morning David

The permit calculator is the only quick way to calculate the fees, you are correct that the higher the valuation the lower the permit cost, the 1200 California project is valued at \$350,000 and the permit is \$3979.60 a little over 1% and the Funland project value at \$944,324 the permit is \$8,871 less then 1%.

Rich

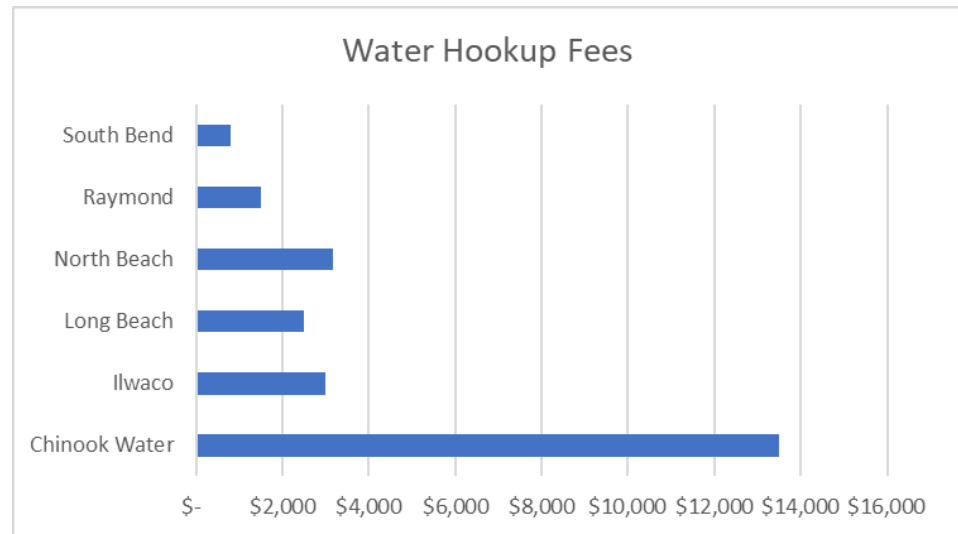
Richard Jacoby

Building Inspector/Fire Marshall

2024 Budget

Comparable Jurisdictions

	Water	Sewer
Chinook Water	\$ 13,500	
Ilwaco	\$ 3,000	\$ 6,200
Long Beach	\$ 2,500	\$ 2,500
North Beach	\$ 3,160	
Raymond	\$ 1,500	\$ 1,500
South Bend	\$ 800	

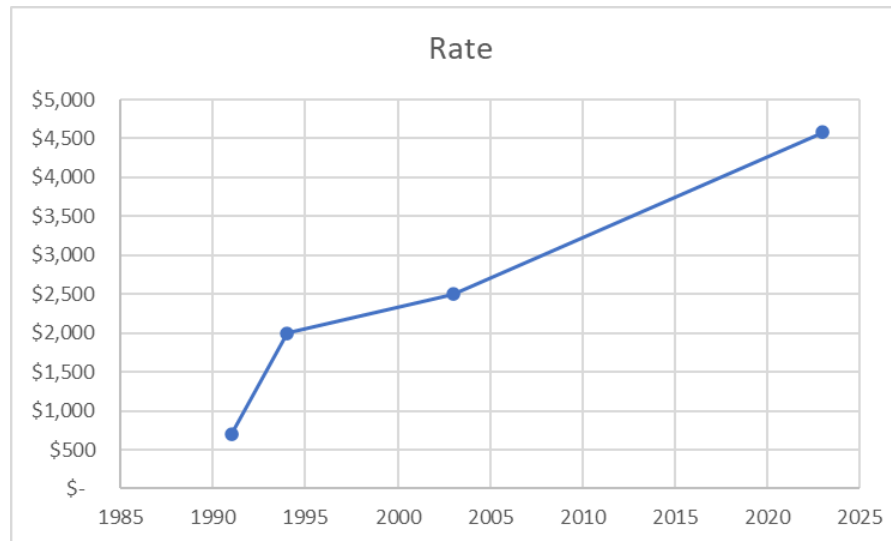


2024 Budget

Prior Ordinances setting hookup rates:

Ordinance	Year	From	To
779	2003	\$ 2,000	\$ 2,500
761	1994	\$ 700	\$ 2,000
619	1991	\$ 400	\$ 700

Trend:



2024 Budget 6 Year Capital Facilities Plan

Water Treatment	Description	Estimate	Estimated Year	Potential Funding Source
Backwash Basin – Improvements	The WTP has a backwash water disposal pond that currently has a clay bottom. The city needs to remove sediment one to two times per year with a vactor truck. To make maintenance easier, the city need to install a liner in the pond.	\$78,400	2024 Budgeted	City Funds – Water

2024 Budget 6 Year Capital Facilities Plan

Water Storage	Description	Estimate	Estimated Year	Potential Funding Source
Reservoir 2 – Inlet Pipe	Remove the inlet riser in Reservoir 2 to increase the effective storage depth in Reservoir 1. By removing this inlet riser, it will increase the effective storage depth in Reservoir 1 by approximately 15’ allowing for the storage of an additional 560,000 gallons.	\$14,100	2028	City Funds - Water
Reservoir 2 - Improvement	Recoat the interior and exterior of Reservoir 2, which was originally constructed in 2003. The coating is anticipated to reach the end of its useful life and will need to be removed and replaced.	\$1,047,400	2028	Public Works Trust Fund (PWTF) (Loan), WA Department of Ecology, State Revolving Fund (SRF) (Loan), City Funds – Water

2024 Budget 6 Year Capital Facilities Plan

Booster Pump Stations	Description	Estimate	Estimated Year	Potential Funding Source
No projects during this plan cycle.				
Water Distribution	Description	Estimate	Estimated Year	Potential Funding Source
Ocean Beach Blvd North (Pioneer Road N to 26 th Street N and 51 st to 42 nd on K Street)	Replace approximately 4,800 linear feet (LF) of 6” water main with new a 12” PVC water main. The existing water main is primarily 6” Asbestos Cement (AC) pipe which has reached the end of its useful life. This project will reduce distribution system leakage and will improve fire flows in the area.	\$2,185,600	2024 Budgeted	Public Works Trust Fund (PWTF), City Funds – Water
17 th Street South (From Ocean Beach Blvd South to Idaho Street South)	Replace approximately 1,100LF of small diameter pipe with new 8” PVC water main along 17 th Avenue South, from Ocean Beach Blvd to Idaho Street. The existing water main is 1.5” steel, 4” AC and 2” ABS pipe which has reached the end of its useful life and is significantly undersized to provide for fire flows in the area. This project will reduce distribution system leakage and will improve fire flows in the area. *The section between Washington Street and Idaho Street was completed in 2021. Remaining part of project still needs to be completed.	\$410,700	2025	City Funds - Water

2024 Budget 6 Year Capital Facilities Plan

Water Distribution	Description	Estimate	Estimated Year	Potential Funding Source
Ocean Beach Blvd South (42 nd Place to 10 th Street South)	Replace approximately 4,900 LF of 2” and 6” water main with new 12” PVC water main. The existing water main is primarily 6” Asbestos Cement (AC) and 2” steel pipe which has reached the end of its useful life. This project will reduce distribution system leakage and will improve fire flows in the area.	\$2,326,100	2026	US Department of Agriculture Rural Development (USDA), Public Works Trust Fund (PWTF), Drinking Water State Revolving Fund (SRF), City Funds – Water
Washington Avenue (From 35 th Street to Sid Snyder Drive)	Replace approximately 7,100 LF of 4” water main with new 8” PVC water main along Washington Avenue from 35 th Street to Sid Snyder Drive. The existing water main is 4” AC pipe which has reached the end of its useful life and is undersized to provide fire flows in the area. This project will reduce distribution system leakage and will improve fire flows in the area. The section between Sid Snyder to 51 st Place was completed in 2021. Remaining part of the project still needs to be completed.	\$2,704,800	2027	US Department of Agriculture Rural Development (USDA), Public Works Trust Fund (PWTF), Drinking Water State Revolving Fund (SRF), City Funds - Water
Remote Read Meters (Entire Water System)	Purchase and install approximately 200 digital and auto read water meters per year. This project is approximately half completed and is anticipated to be fully completed in 2027. All meters being upgraded are removed and replaced by city staff as time and workload allows.	\$200,000 per year	2024, 2025, 2026, 2027	City funds - Water

2024 Budget

Water Fund

Annual Requirements	
Calibration WTP Lab Equipment	\$5,500
Maintenance WTP Air Compressors	\$3,850
Testing & maintenance WTP hypo disinfectant system	\$2,200
Technical Support WTP Main Drive Electronic Control System	\$6,600
Testing & Technical Support WTP & Dolman Reservoir Back Up Generators	\$4,950
Verification WTP pressure and level sensor performance	\$2,750
Cleaning of WTP Sediment ponds & CIP basin	\$3,850
Testing of motors & pumps at WTP	\$9,570
Cleaning & Inspection of Reservoirs 1 & 2	\$6,350
Program Engineering Services for Plant System Processes and Controls (\$165 per hour)	\$3,300
	\$48,920

All items included in presented budget

2024 Budget

Water Fund

Mandates by the Washington State Department of Health	
Professional Service - Water Conservation Program	\$2,200
Professional Service - Backflow Prevention Program	\$19,800
Professional Service - Algae control for reservoirs	\$7,700
Signage - Water Plant Facility & Watershed Notification	\$1,500
Sanitary Survey Audit Preparation	\$5,000
	\$36,200
Capital Facilities, Comprehensive Plan & Other Projects	
WP Filtration Expansion (24 additional filters) for Production Increase	\$110,000
Water Comp. Plan - Backwash Water Disposal Pond , Liner Installation (2023 Carryover)	\$78,400
Water Comp. Plan - Pioneer to 26th N OB Blvd & 42nd to 51st OB Blvd S - Replace Water Main	\$2,185,600
Dolman Reservoir - 1 Vertical Pump Purchase (Redunancy for 2 Aging Pumps)	\$30,000
Dolman Reservoir - Raw Water Transmission Main Check Value	\$26,000
Auto Read - Service Meter Replacement (Approximately 200 meters per year)	\$200,000
2 - 30hp Pumps - WP Skid Pump, Yeaton/Baker (Matticks Creek) Impoundment Pump (Back Up)	\$12,000
WA Dept of Ecology - Water Rights Consolidation (2023 Carryover)	\$10,000
Leak Detection, Preventative Maintenance, Standard Operating Procedures - Programming	\$20,000
Pipe Storage extension	\$15,000
Pole Building for Equipment Storage & Community Emergency Preparedness (2023 Carryover)	\$35,000
	\$2,722,000

All items included in presented budget

2024 Budget

Water Fund

Training	
Continuing Education - Water Operators CEU's & Licenses	\$12,000
Certification Upgrades	\$3,000
	\$15,000
Equipment Needs	
Personal Protective Equipment & Supplies - New and replacement	\$7,500
Lab Testing Glassware & Supplies	\$1,500
Tools & Equipment - WTP	\$8,250
Landscape Tools & Maintenance to include Riding Lawn Mower	\$9,500
Information Technology & Computer Hardware	\$1,000
SCADA - Electrical Components & Maintenance includes Clearwell Pumps SCADA Upgrade	\$10,000
Used Service Truck to Pull Pumps and other Infrastructure Repairs (Water, Wastewater, Stormwater)	\$15,000
Truck Replacement for Admin #11 - Full Size 1 Ton (Smaller would be sufficient)	\$55,000
	\$107,750
Mechanic Shop	
Tool Repair & Replacement	\$2,500
Repair Manual Library Software - Annual Upgrade	\$1,250
Repair Parts Manual Software - Annual Upgrade	\$1,250
	\$5,000

All items included in presented budget

Certifications

Current Certifications - Maintain

JB – WTPO 2, WDM 2, Asbestos Certification

MW – WTPO 2, WWTPO 1, WDS 1, Asbestos Certification

LK – WTPO 1, Asbestos Certification

TH – WDS 1, Competent Person Asbestos Certification

MM – Competent Person Asbestos Certification

KJ – Asbestos Certification

IH – Multiple ASE Certifications, Asbestos Certification

Acronym Definitions:

WTPO – Water Treatment Plant Operator

WDM – Water Distribution Manager

WDS – Water Distribution Specialist

CCS – Cross Connection Control Specialist

BAT – Backflow Assembly Tester

WWTPO – Wastewater Treatment Plant Operator

ASE – Automotive Service Excellence – Certified Professional

Training Plan 2024

Working Towards in 2024

BN – Water Distribution Manager 1

MM – Water Distribution Manager 1

TH – Water Distribution Manager 1

LK – Water Treatment Plant Operator 2

2024 Budget

Water Fund

CITY OF LONG BEACH			
WATER FUND - 401			
	2024 Budget	2023 Estimated	2022 Actual
REVENUE			
BEGINNING FUND BALANCE	632,933	710,852	456,031
TOTAL BEGINNING FUND BALANCE	632,933	710,852	456,031
BUSINESS TAXES			
WATER RECEIPTS	2,225,600	2,080,000	2,018,120
WATER CONNECTIONS	20,000	52,000	57,437
FUND CONTRIBUTIONS	2,000	4,600	4,919
TIMBER SALES			
PWTF Loan - South WA	-	-	-
TOTAL REVENUES	2,247,600	2,136,600	2,080,476
ARPA FUNDS			209,007
OTHER RECEIPTS	3,000	24,000	41,301
PWB OBB N	1,000,000		
TRANSFER IN FROM SINKING FUND 404			
TOTAL NON-REVENUES	1,003,000	24,000	250,308
TOTAL OTHER FINANCING SOURCES	-	-	-
TOTAL WATER REVENUE	3,883,533	2,871,452	2,786,815

2024 Budget

Water Fund

	2024 Budget	2023 Estimated	2022 Actual
EXPENDITURES			
WATER FUND - 401			
ENGINEERING PROFESSIONAL SERV.	25,000	20,000	8,053
SALARIES	606,913	585,445	494,677
BENEFITS	339,280	363,950	293,989
OPERATING SUPPLIES	175,000	220,000	226,213
RADIO READ METERS	200,000	200,000	217,210
OFFICE SUPPLIES	2,000	1,000	890
ACCOUNTING SERVICES	13,500	13,500	5,436
PROFESSIONAL SERVICES	80,000	60,000	65,112
COMMUNICATIONS	7,500	7,500	10,546
TRAVEL	4,000	3,000	3,498
ADVERTISING	500	300	733
INSURANCE	90,905	79,520	53,823
UTILITIES	34,000	34,000	29,812
REPAIRS & MAINTENANCE	320,000	65,000	60,027
REFUNDS	5,000	12,000	10,923
EQUIPMENT	205,000	90,000	141,933
TRAINING	15,000	3,000	5,519
STATE EXCISE TAX	111,925	104,603	104,160
WATER LINE REPLACEMENT	10,000	10,000	21,262
OBB N & K STREET PROJECT	1,000,000	50,000	
SOUTH WA			8,000
TOTAL EXPENDITURES	3,245,524	1,922,818	1,761,816

2024 Budget

Water Fund

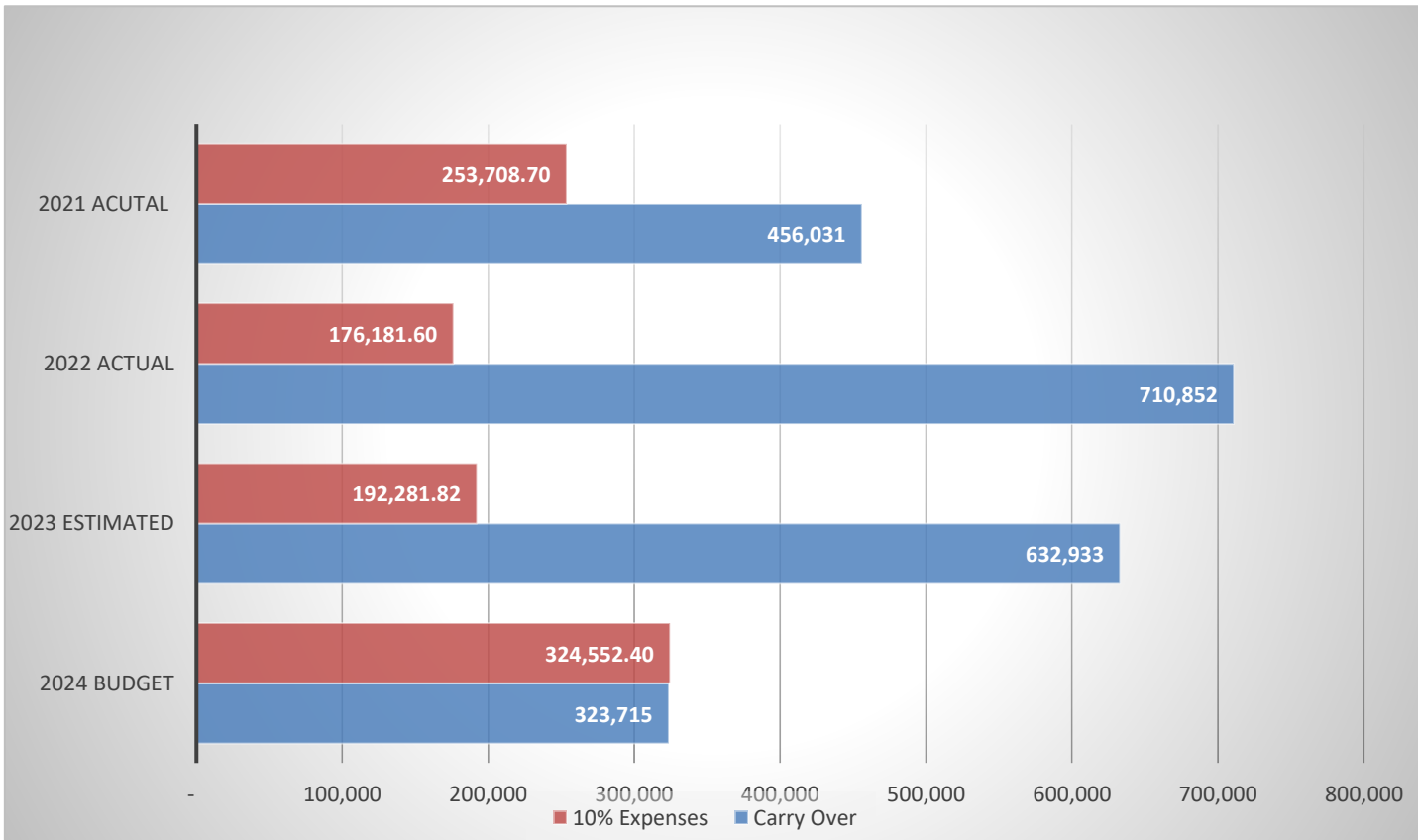
	2024 Budget	2023 Estimated	2022 Actual
CONTRIBUTION WATER SINKING FUND	100,000	100,000	100,000
1985 BOND REDEMP. CONTRIB.			
PWTF LOAN - DOHMAN DAM REPAIR			
USDA RURAL LOAN	101,354	101,354	101,354
USDA BOND RESERVE	10,135	10,135	10,135
PWTF - MICRO FILTER PLANT	30,820	30,525	30,673
PWTF - SO WA	71,985	73,687	71,985
TOTAL OTHER FINANCING USES	314,294	315,701	314,147
TOTAL WATER EXPENDITURES	3,559,818	2,238,519	2,075,963
Carry Over	323,715	632,933	710,852

2024 Budget

Water Fund

City of Long Beach			
WATER SINKING FUND -404			
	2024	2023	2022
DESCRIPTION	Budget	Estimated	Actual
Revenues			
BEGINNING FUND BALANCE	530,000	430,000	330,000
TOTAL BEGINNING FUND BALANCE	530,000	430,000	330,000
TOTAL REVENUES			
TRANSFER FROM 401 - WATER	100,000	100,000	100,000
TOTAL WATER SINKING	630,000	530,000	430,000
Expenditures			
WATER SINKING FUND			
TRANSFER TO 401 - WATER			
TOTAL NON EXPENDITURES			
FUTURE PROJECTS			
SEAVIEW VALVE PROJECT			
COMP PLAN CAPITAL EXPENDITURES			
TOTAL WATER SINKING EXPENDITURES	0.00	0.00	0.00

2024 Budget Water Fund – Carry Over



2024 Budget

Water Fund – Loan Amortization Tables

	RD REVENUE BOND		PWTF LOAN		PWTF Loan	
	2.375% FIXED [Water Plant]		.05% FIXED [Water Plant Design]		South Washington PC20-96103-043	
<u>Year</u>	<u>Principal</u>	<u>Interest</u>	<u>Principal</u>	<u>Interest</u>	<u>Principal</u>	<u>Interest</u>
2024	53,897	47,457	29,493	885	66,209	8,368
2025	55,117	46,237	29,493	737	66,209	7,845
2026	56,364	44,990	29,493	590	66,209	7,322
2027	57,639	43,715	29,493	442	66,209	6,799
2028	58,943	42,411	29,493	295	66,209	6,276
2029	60,277	41,077	29,493	147	66,209	5,753
2030	61,641	39,713			66,209	5,230
2031	63,035	38,319			66,209	4,707
2032	64,462	36,892			66,209	4,184
2033	65,920	35,434			66,209	3,661
2034	67,412	33,942			66,209	3,138
2035	68,937	32,417			66,209	2,615
2036	70,497	30,857			66,209	2,092
2037	72,092	29,262			66,209	1,569
2038	73,723	27,631			66,209	1,046
2039	75,391	25,963			66,209	523
TOTAL	2,663,000	1,388,813	562,650	31,570	1,197,369	86,255
<i>Total as of 1/2025</i>	2,068,437	716,204	147,467	2,212	993,135	62,760
PRIN & INT	101,354		30,378		74,577	
* NEW DEBT FOR OCEAN BEACH AND K STREET = \$1.8 MILLION STARTING 2025					206,309.24	2024 Payment