

2024 Budget Workshop

Sewer Fund

15.46 Miles of Sewer Line

1175 - Total connections (2023 YTD)

118 Manholes

88 Cleanouts

7 Lift Stations

254,000 Gallons Treated Per Day on Average in 2022

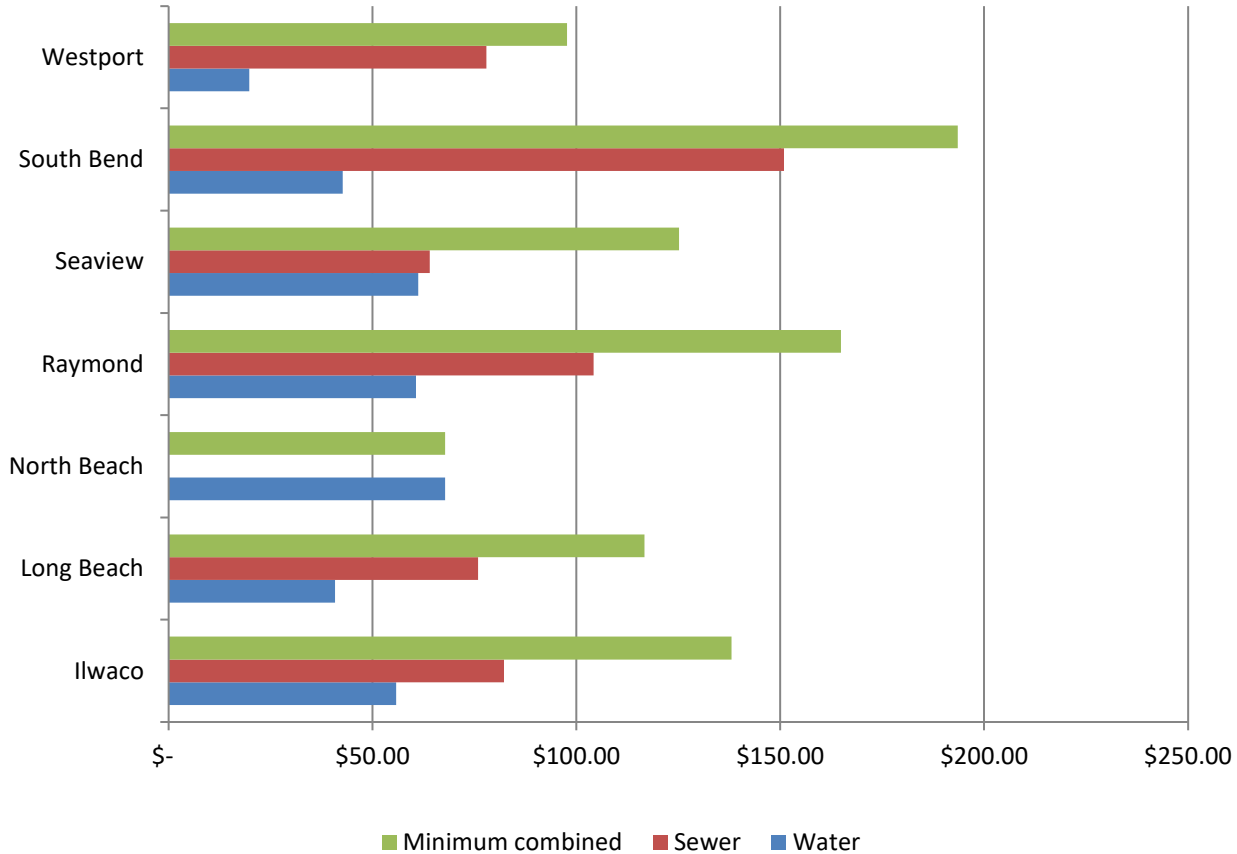
271,397 Gallons Treated Per Day on Average in 2021

1,107,200 Gallons Sludge Treated Into Compost in 2022

1,083,000 Gallons of Sludge Treated Into Compost in 2021

2024 Budget

Sewer Fund



2023 Rates	Ilwaco	Long Beach	North Beach	Raymond	Seaview	South Bend	Westport
Sewer	\$ 82.22	\$ 75.90	Septic	\$ 104.20	\$ 64.00	\$ 150.87	\$ 77.92

Rate increase as proposed is \$5.53 per month, \$66.36 per year.

This is an 7% percent increase. **SAME AS WATER SLIDE**

2024 Budget

Sewer Rates

		Proposed Change	
	2023	2024	Difference
Residential	\$ 78.94	\$ 84.47	\$ 5.53
Senior Low income Discount			
\$25,475-\$29,631	15%	\$ 71.80	\$ 12.67
\$15,796-\$25,474	30%	\$ 59.13	\$ 25.34
\$9,519-\$15,795	45%	\$ 46.46	\$ 38.01
\$9,518 and under	60%	\$ 33.79	\$ 50.68

Discount Percentage	Qualifying Customers
15%	6
30%	7
45%	11
60%	1

2024 Budget

Monthly Sewer Rates

SEWER - In City Rate			
Sewer type	2022	2023	2024
Single Family Residence	\$ 75.90	\$ 78.94	\$ 84.46
Apartments, Per Unit	\$ 75.90	\$ 78.94	\$ 84.46
Motels, Base Charge	\$ 101.24	\$ 105.29	\$ 112.66
Motels, each additional rental	\$ 17.14	\$ 17.83	\$ 19.08
Condominiums, each rental	\$ 75.90	\$ 78.94	\$ 84.46
Mobile Home Parks, each rental space	\$ 75.58	\$ 78.60	\$ 84.10
Trailer Parks, Base Charge	\$ 101.38	\$ 105.43	\$ 112.81
Trailer Parks, each hookup	\$ 12.64	\$ 13.15	\$ 14.07
Laundromats, self-service & Dry Cleaning	\$ 347.32	\$ 361.22	\$ 386.50
Industrial Laundry	\$ 632.27	\$ 657.56	\$ 703.59
Car Washing Facilities	\$ 347.32	\$ 361.22	\$ 386.50
Canner Operations	\$ 347.32	\$ 361.22	\$ 386.50
Restaurants, Taverns (first 20 person capacity)	\$ 144.90	\$ 150.70	\$ 161.25
Restaurants, Taverns (each additional 5 person capacity)	\$ 11.08	\$ 11.52	\$ 12.33
Schools - Summer Rate	\$ 189.62	\$ 197.20	\$ 211.00
Schools - Sept. - May (each occupant)	\$ 5.37	\$ 5.58	\$ 5.97
Nursing Homes, Convalescent Center base charge	\$ 88.62	\$ 92.17	\$ 98.62
Nursing Homes, Convalescent Center each patient bed available	\$ 17.14	\$ 17.83	\$ 19.08
Service Station	\$ 101.24	\$ 105.29	\$ 112.66
Churches, municipal parks & buildings	\$ 113.89	\$ 118.45	\$ 126.74
Theaters, large stores, banks, medical & Dental clinics, mortuaries & beauty shops	\$ 116.16	\$ 120.81	\$ 129.26
Fraternal Halls, per floor	\$ 164.48	\$ 171.06	\$ 183.04
Business offices, small stores & optometrist	\$ 82.52	\$ 85.82	\$ 91.82
State Parks Restroom Facilities	\$ 245.46	\$ 255.28	\$ 273.15

Sewer Fund – Capital Projects

Collection System	Description	Estimate	Estimated Year	Potential Funding Source
Annual Pipe Replacement	Replace older damaged sewer lines, annual TV inspection or emergency repairs as needed.	\$18,000 per year	Annually	City Funds - Wastewater
Oregon Avenue N from 17th St NE to 12th St NE	Replace 1700' of 10" pipe with 12" pipe. Provide conveyance for flows from Lift Station #4 (17th Street NE & Oregon Avenue) to Lift Station #3 (12th Street NE & Oregon Avenue).	\$1,536,000	2026	Public Works Trust Fund (PWTF) (Loan), Water Pollution Control – State Revolving Fund (SRF) (Loan)
Oregon Avenue N from 12th St NE to 6th St NE	Replace 1600' of 12" pipe with 15" pipe. Provide conveyance for flows from Lift Station #3 (12th Street NE & Oregon Avenue) to Main Lift Station (6th Street NE & Oregon Avenue).	\$1,620,000	2026	Public Works Trust Fund (PWTF) (Loan), Water Pollution Control – State Revolving Fund (SRF) (Loan)

2024 Budget

System Connection Charges

		Multiplier			
Current Rate for Sewer	\$ 2,500				
Increase equal to Water	\$ 4,582	1.8328			
				\$4,582	\$4,582
		Actual	at \$4,582	Difference	Rate difference
Revenue from Hookups	2023	\$ 33,000	\$ 60,482	\$ 27,482	1.32%
	2022	\$ 34,937	\$ 64,033	\$ 29,096	1.40%
	2021	\$ 45,000	\$ 82,476	\$ 37,476	1.80%
	2020	\$ 20,000	\$ 36,656	\$ 16,656	0.80%
				\$ 110,710	5.32%
		Current Water			
Price of new home / share of cost		hookup %	\$4,582		
New Home	\$ 350,000	0.71%	1.31%		
New Home	\$ 600,000	0.42%	0.76%		
Resort 100 units +/-	\$ 13,000,000	0.68%	1.24%		
Restaurant 100 seats	\$ 1,000,000	1.00%	1.83%		

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 than 1%.

Rich

Richard Jacoby

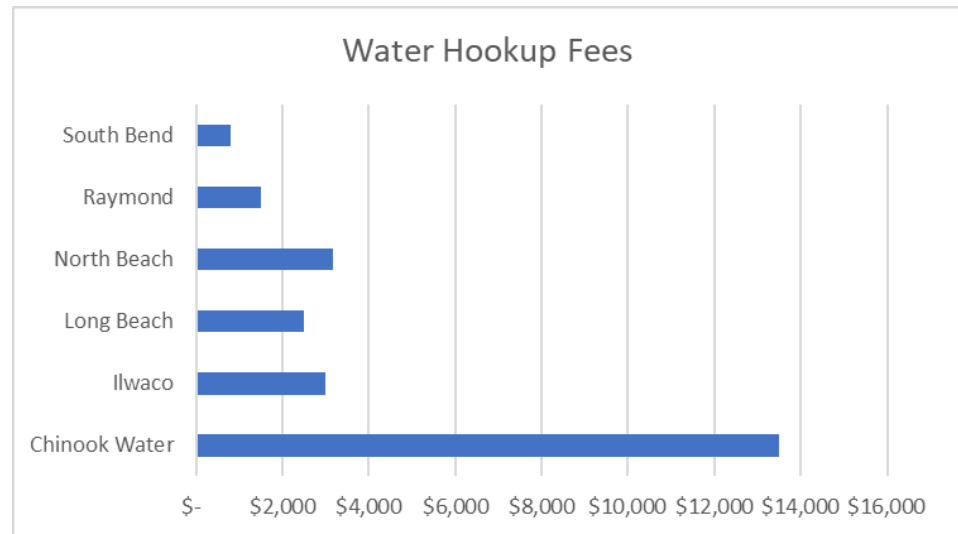
Building Inspector/Fire Marshall

* Wastewater has had more expensive improvements than the Water system

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	

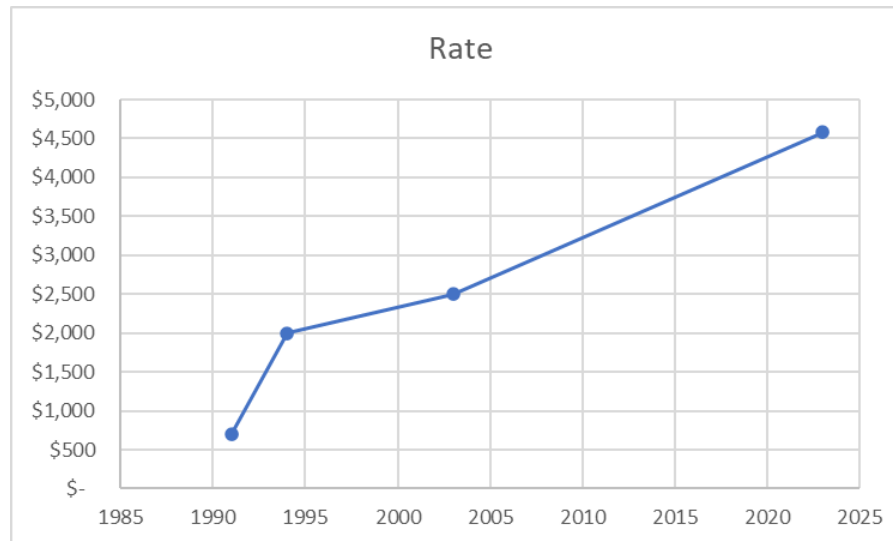


2024 Budget

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:



Sewer Fund – Capital Projects

Lift Stations	Description	Estimate	Estimated Year	Potential Funding Source
Lift Station #1 – Upgrade (15 th Street SE & Oregon Avenue)	Increase capacity to 350 gallons per minute (gpm). Provide capacity for future development in Lift Station #1 basin for development in dune area. Deteriorated condition of lift station identifies need to upgrade.	\$505,200	2024 Budgeted	City Funds – Sewer
Lift Station Main – Miscellaneous Upgrades (6 th Street NE & Oregon Avenue)	Maintenance improvements and code correction. Improve operation of station and code compliance.	\$49,200	2024 Budgeted	EPA
Lift Station #2 – Miscellaneous Upgrades (4 th Street SE & Oregon Avenue)	Operation and maintenance improvements to prevent further deterioration of the condition of the station. Improve ability to monitor flows.	\$262,800	2024 Budgeted	EPA
Lift Station #5 – Miscellaneous Upgrades (26 th Street NW & Ocean Beach Blvd N)	Installation of an emergency generator. Generator required by Department of Ecology to meet redundancy requirements. Improve ability to monitor flows. Provide for additional maintenance to prevent further deterioration.	\$370,800	2024 Budgeted	EPA
Lift Station Seacrest – Miscellaneous Upgrades (28 th Street NW & Adjacent Breakers N)	Maintenance improvements to prevent further deterioration and improve ability to monitor flows.	\$231,600	2023-2024	City Funds – Sewer
Lift Station #3 – Upgrade (12 th Street NE & Oregon Avenue)	Provide capacity for Pioneer Annex area and flows in Lift Station #4 and #5 basins. To support additional sewers in Pioneer Annex area and increased development in Lift Station #4 and #5 basins.	\$643,200	2024 Budgeted	CDBG
Lift Station #4 – Upgrade (17 th Street NE & Oregon Avenue)	Provide capacity for Pioneer Annex area and flows in Lift Station #3, #4 and #5 basins. To support additional sewers in Pioneer Annex area and increased development in Lift Station #3, #4 and #5 basins.	\$643,200	2024 Budgeted	CDBG
Lift Station Breakers – Lift Station Replacement (SW Corner of Property Breakers Condominiums)	Replace current lift station configuration with a submersible station. Work on the station took place to make operational but does need replacement.	\$844,800	2024 Budgeted	EPA

Sewer Fund – Capital Projects

Treatment Plant	Description	Estimate	Estimated Year	Potential Funding Source
Head Monitoring Interface (HMI) Replacement	Upgrade of existing equipment. Existing system is obsolete and is not supported by vendors. (SCADA Related)	\$98,000	2023-2024	City Funds – Sewer & State Capital Budget Grant
Program Logic Controller (PLC) Replacement	Upgrade of existing equipment. Existing system is obsolete and is not supported by vendors. (SCADA Related)	\$147,000	2023-2024	City Funds – Sewer & State Capital Budget Grant
Influent Sampler	Replacement of existing equipment, current equipment is not reliable. (SCADA Related)	\$29,000	2023-2024	City Funds – Sewer & State Capital Budget Grant
Aeration Basin – Improvements	Replace existing diffuser heads, as several diffuser heads are broken. Will conduct an assessment in 2024 to determine extent of repairs to be made.	\$181,000	2024-2025	City Funds – Sewer
Secondary Clarifier – Improvements	Maintenance of existing equipment, painting due to rust on metal structure. Top portion of clarifier 1 & 2 concrete sealing.	\$80,000	2023-2024	City Funds – Sewer
Effluent, RAS and WAS - Improvements	Replace existing meters. Scheduled replacement due to age of equipment. (SCADA Related)	\$31,000	2023-2024	City Funds – Sewer & State Capital Budget Grant
Effluent Sampler - Improvements	Replace existing effluent sampler. Scheduled replacement due to age of equipment. (SCADA Related)	\$29,000	2023-2024	City Funds – Sewer & State Capital Budget Grant
Aerobic Digester - Improvements	Replace existing blowers. Scheduled replacement due to age of equipment.	\$135,000	2025	City Funds – Sewer
Influent – Fine Screen	Replace existing screen. Scheduled replacement due to the age of equipment.	\$191,000	2025	City Funds – Sewer
Lift Station Main – Improvements	Replace existing pumps and rebuild lift station.	\$900,000	2025	Congressional Award

2024 Budget

Sewer Fund

Annual Requirements & Programming	
Professional Service - Annual calibration: Influent & Effluent flow meters, dissolved oxygen and pH meters	\$1,750
Professional Service - Annual calibration digital scale	\$1,200
Professional Service - TV, jet/clean & map sewer service lines	\$45,000
Professional Service - Blind sample for lab work to complete one water proficiency study annually	\$950
Replacement Ultraviolet Lamps for UV disinfection system (2024 Only)	\$0
General Plant Supplies	\$9,500
General Lab Testing Supplies	\$9,000
Lab Accreditation Fee	\$5,500
Headworks Debris - Disposal Improvement	\$7,500
	\$80,400

All items included in presented budget

2024 Budget

Sewer Fund

Operating Supplies	
Personal Protective Equipment - Safety & Miscellaneous hardware	\$2,000
Universal Blower; blowers, belts and filters	\$1,500
Supplies - Lab, Equipment, Replacement of pH Meter Base & Probe	\$8,000
Supplies - Chemicals	\$5,500
Supplies - General & miscellaneous	\$7,500
Supplies - Treatment Plant	\$8,000
Supplies - Office and Data Recording	\$500
Supplies - Compost Plant (Bark Dust, Wood Chips & Polymer)	\$90,000
	\$123,000
Capital Facilities & Equipment	
Professional Service - PLC Service Contract	\$40,000
Professional Service - Pumps - Annual maintenance, service & rebuild	\$60,000
Professional Service - Electrical (Contract)	\$95,000
Professional Service - SCADA/PLC Improvements, Modernization & Upgrades	\$340,000
Professional Service - Plant Samples Lab Testing	\$14,500
Annual Pipe Replacement	\$18,000
TV Truck - Camera Unit Repair, Software Upgrade & Generator Replacement	\$30,000
Service Truck to Pull Pumps & Other Infrastructure Repairs (Water, Sewer & Stormwater)	\$15,000
Concrete Surface Seal Clarifier #1 (Top Portion)	\$40,000
Lift Station Upgrades as Per Sewer Comprehensive Plan & Urgent Needs	\$2,700,000
	\$3,352,500
Training	
Continuing Education - Wastewater Operator CEU's, licenses and conferences	\$15,000
	\$15,000

All items included in presented budget

Certifications

Current Certifications & Maintain:

JG – WWTPO 2 (Working to Earn - Level 3) , WTPO 1, CCFO, WDM 1 (Working to Earn - Level 2), Asbestos Certification

KB – WWTPO 2, (CCFO – Working to Earn Certification), (WDM - Working to Earn - Level 1), Asbestos Certification

TC – WWTPO 2 (Working to Earn – Level 3 OIT), CCFO, WDM 1 (Working to Earn - Level 2), WDS 1, CCS, Asbestos Certification

TP – Multiple ASE Certifications to include Master Technician & Heavy-Duty Truck, Asbestos Certification

Acronym Definitions:

WWTPO – Wastewater Treatment Plant Operator

WTPO – Water Treatment Plant Operator

CCFO – Certified Compost Facility Operator

WDM – Water Distribution Manager

WDS – Water Distribution Specialist

CCS – Cross Connection Control Specialist

ASE – Automotive Service Excellence – Certified Professional

Training Plan 2024

Working Towards in 2024

JG – WWTPO - Waste Water Treatment Plant Operator 3

KB – CCFO – Certified Compost Facility Operator and WDM –
Water Distribution Manager 1

TC – WWTPO – Waste Water Treatment Plant Operator 3 OIT and
WDM - Water Distribution Manager 2

2024 Budget

Sewer Fund

CITY OF LONG BEACH			
Sewer Fund - 402			
DESCRIPTION	2024 Budget	2023 Estimate	2022 Actual
REVENUES			
BEGINNING FUND BALANCE	389,142	763,493	989,164
TOTAL BEGINNING FUND BALANCE	389,142	763,493	989,164
SEWER RECEIPTS	1,802,736	1,684,800	1,666,978
SEWER CONNECTIONS	20,000	33,000	34,937
TIMBER SALES			
COMPOST SALES	1,000	4,000	3,737
SEWER CONTRACTS	15,000	15,000	22,800
PAC MNT GRANT	-		-
FUND CONTRIBUTIONS	-	60,000	-
ILWACO ENG REPORT PAYBACK		2,500	2,500
FEMA GRANT			
CDBG - LIFT STATIONS	1,000,000		
CDS - LIFT STATIONS	1,670,000		
DOC SCADA		330,000	
DOE INTERGOVERNMENTAL LOAN			
	4,508,736	2,129,300	1,730,952
TOTAL REVENUES	4,897,878	2,892,793	2,720,116

2024 Budget

Sewer Fund

DESCRIPTION	2024 Budget	2023 Estimate	2022 Actual
EXPENDITURES			
ENGINEERING PROFESSIONAL SERV.	40,000	55,000	44,235
SALARIES	487,529	426,120	397,357
BENEFITS	210,790	208,793	194,520
OPERATING SUPPLIES	200,000	200,000	335,710
ACCOUNTING SERVICES	5,000	1,000	-
PROFESSIONAL SERVICES	150,000	50,000	36,513
COMMUNICATIONS	4,000	4,000	5,584
TRAVEL	5,000	1,000	2,780
ADVERTISING	150	150	219
INSURANCE	81,051	70,900	52,834
UTILITIES	55,000	60,000	60,591
REPAIRS & MAINTENANCE	2,675,000	830,000	179,068
EQUIPMENT	45,000	-	72,432
SEWER INSPECTION & CLEANING	45,000	20,000	
TRAINING	15,000	3,000	2,645
STATE EXCISE TAX	69,441	64,898	65,406
TOTAL EXPENDITURES	4,087,961	1,994,861	1,450,567

2024 Budget

Sewer Fund

DESCRIPTION	2024 Budget	2023 Estimate	2022 Actual
PWTF LOAN - WWTP PHASE 1			
CCWF LOAN - WWTP PHASE 1			
CCWF LOAN - WWTP PHASE 2	133,686	133,686	133,684
CCWF LOAN - WWTP P2 & 3 - DESIGN	16,880	16,880	16,880
DOE ENG REPORT			
DOE Biosolids Plant	282,000	282,000	283,370
BOP Bond		16,224	17,638
TRANS. FUNDS TO CURRENT EXPENSE			
TRANS. FUNDS TO SEWER SINKING	100,000	60,000	60,000
TOTAL OTHER FINANCING USES	532,566	508,790	511,572
TOTAL EXPENDITURES	4,620,527	2,503,651	1,973,630
Carry Over	277,351	389,142	763,493

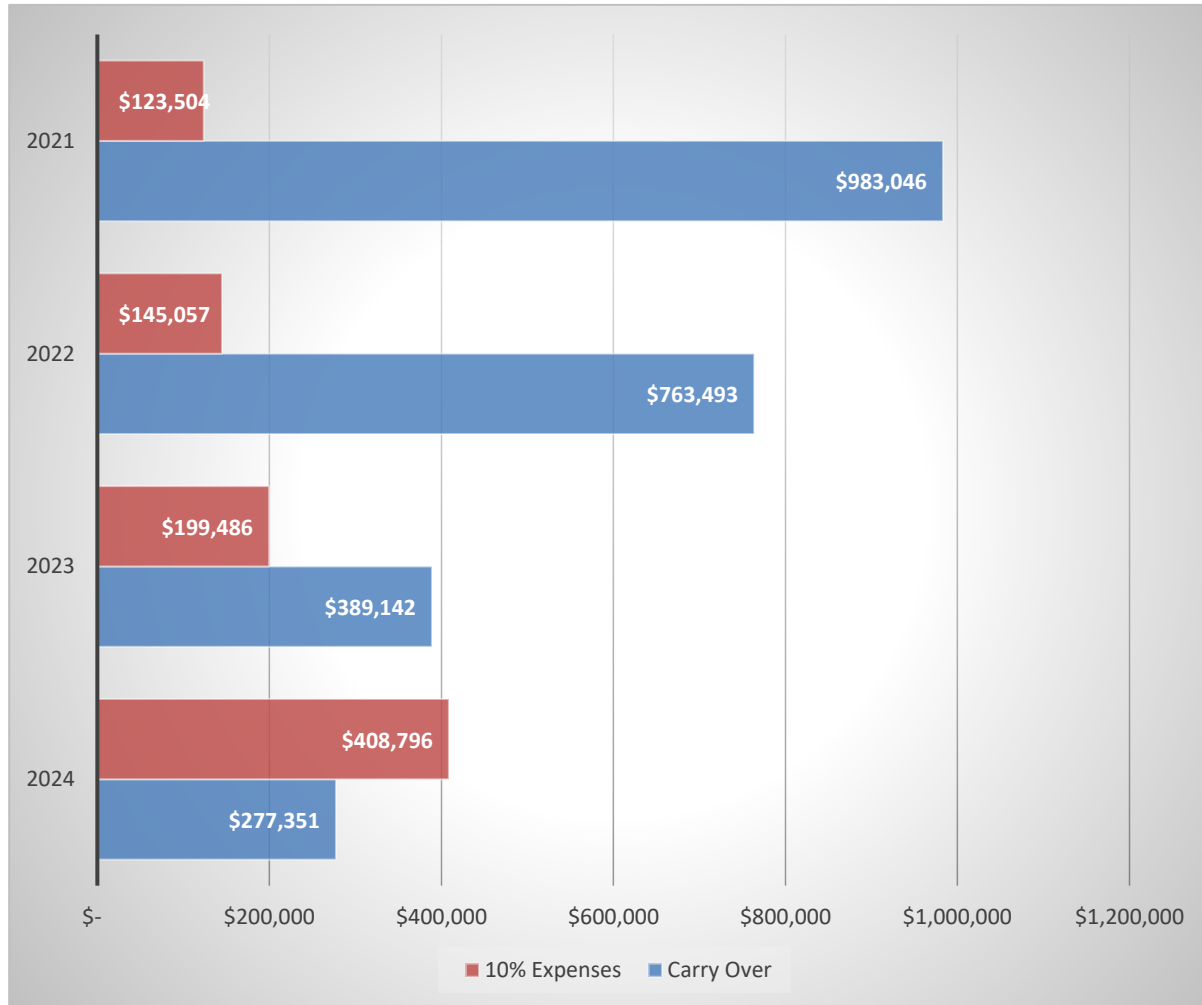
2024 Budget

Sewer Fund

City of Long Beach			
SEWER SINKING FUND -405			
	2024	2023	2022
DESCRIPTION	Budget	Estimated	Actual
Revenues			
BEGINNING FUND BALANCE	370,000	310,000	250,000
TOTAL BEGINNING FUND BALANCE	370,000	310,000	250,000
TOTAL REVENUES			
TRANSFER FROM 402 -SEWER	100,000	60,000	60,000
TOTAL SEWER SINKING	470,000	370,000	310,000
Expenditures			
SEWER SINKING FUND			
TRANSFER TO 402 - SEWER			
TOTAL NON EXPENDITURES			
COMP PLAN CAPITAL EXPENDITURES			
TOTAL SEWER SINKING EXPENDITURES	0.00	0.00	0.00
<i>Carry Over to next year</i>	470,000	370,000	310,000

2024 Budget

Sewer Fund – Carry Over



2024 Budget

Sewer Fund – Loan Amortization Tables

	Digester, Clarifier & UV		Biosolids Plant		Total	
	DOE-L0400011		WQC-2019-LongBe-00060			
	DOE WW Rev Loan		DOE SRF Loan - Biosolids Plant		Interest &	
<u>Year</u>	<u>Principal</u>	<u>Interest</u>	<u>Principal</u>	<u>Interest</u>	<u>Principal</u>	
2024	129,914	3,772	223,609	80,806	438,101	
2025	131,876	1,810	227,894	76,520	438,100	
2026	21,241	240	232,262	72,152	325,895	
2027			236,714	67,701	304,415	
2028-2040			3,371,321	433,864	3,805,185	
TOTAL	2,255,718	351,156	4,891,188	1,044,899	5,766,019	
<i>Total as</i>						
<i>of 1/2025</i>	153,117	2,050	4,068,191	650,237		
PRIN & INT	133,685.80		304,415.00		2024 Payment	
					438,100.80	