

# 2021 Budget Workshop

## Sewer

15.46 Miles of Sewer Line

118 Manholes

88 Cleanouts

7 Lift Stations

65,400,000 Gallons Treated YTD

Compost – 650,400 gallons processed

# 2021 Budget

## Sewer Fund



	Ilwaco	Long Beach	North Beach	Raymond	Seaview	South Bend	Westport
Sewer	\$ 78.14	\$ 72.96	Septic	\$ 95.37	\$ 57.00	\$ 116.46	\$ 70.70

Rate increase as proposed is .73¢ per month, \$8.76 per year.  
 This is an 1% percent increase.

# 2021 Budget

## Sewer Rates

			Proposed	
		2020	2021	Difference
Residential		\$ 72.96	\$ 73.69	\$ 0.73
Senior Low income	Discount			
\$25,475-\$29,631	5%	\$ 69.49	\$ 70.18	\$ 0.69
\$15,796-\$25,474	10%	\$ 66.32	\$ 66.98	\$ 0.66
\$9,519-\$15,795	25%	\$ 58.36	\$ 58.94	\$ 0.58
\$9,518 and under	40%	\$ 52.11	\$ 52.63	\$ 0.52

# 2021 Budget

## Monthly Sewer Rates

<b>SEWER - In City Rate</b>				
<b>Sewer type</b>		<b>2019</b>	<b>2020</b>	<b>2021</b>
Single Family Residence		\$ 67.56	\$ 72.96	\$ 73.69
Apartments, Per Unit		\$ 67.56	\$ 72.96	\$ 73.69
Motels, Base Charge		\$ 90.11	\$ 97.32	\$ 98.29
Motels, each additional rental		\$ 15.26	\$ 16.48	\$ 16.64
Condominiums, each rental		\$ 67.56	\$ 72.96	\$ 73.69
Mobile Home Parks, each rental space		\$ 67.27	\$ 72.65	\$ 73.38
Trailer Parks, Base Charge		\$ 90.23	\$ 97.45	\$ 98.42
Trailer Parks, each hookup		\$ 11.25	\$ 12.15	\$ 12.27
Laundromats, self-service & Dry Cleaning		\$ 309.14	\$ 333.87	\$ 337.21
Industrial Laundry		\$ 562.76	\$ 607.78	\$ 613.86
Car Washing Facilities		\$ 309.14	\$ 333.87	\$ 337.21
Canner Operations		\$ 309.14	\$ 333.87	\$ 337.21
Restaurants, Taverns (first 20 person capacity)		\$ 128.97	\$ 139.29	\$ 140.68
Restaurants, Taverns (each additional 5 person capacity)		\$ 9.86	\$ 10.65	\$ 10.76
Schools - Summer Rate		\$ 168.77	\$ 182.27	\$ 184.09
Schools - Sept. - May (each occupant)		\$ 4.78	\$ 5.16	\$ 5.21
Nursing Homes, Convalescent Center base charge		\$ 78.88	\$ 85.19	\$ 86.04
Nursing Homes, Convalescent Center each patient bed available		\$ 15.26	\$ 16.48	\$ 16.64
Service Station		\$ 90.11	\$ 97.32	\$ 98.29
Churches, municipal parks & buildings		\$ 101.37	\$ 109.48	\$ 110.57
Theaters, large stores, banks, medical & Dental clinics, mortuaries & beauty shops		\$ 103.39	\$ 111.66	\$ 112.78
Fraternal Halls, per floor		\$ 146.40	\$ 158.11	\$ 159.69
Business offices, small stores & optometrist		\$ 73.44	\$ 79.32	\$ 80.11
State Parks Restroom Facilities		\$ 218.47	\$ 235.95	\$ 238.31

# 2021 Budget

## Sewer Fund

Future purchases and improvements:

Project / Item	Department	2021	2022	2023	2024	2025-	Funding Opportunities
TV Clean and Repair	Wastewater	\$ 30,000	\$ 30,000	\$ 30,000			Rates
Lift Station Plumbing upgrades to 5 Stations	Wastewater		\$ 250,000		\$ 500,000	\$ 500,000	Rates

# 2021 Budget

## Sewer Fund

	<b>Annual Requirements</b>	
1	Measure Tech	\$1,500.00
	Annual calibration of influent and effluent flow metes, dissolved oxygen and PH meter.	
2	Mettler-Toledo	\$850.00
	Annual calibration of digital scale.	
3	TV & Cleaning sewer line services	\$35,000.00
	Tv, clean and map system.	
4	ERA - Environmental Resource Associates	\$800.00
	Lab is required to complete one water proficiency study annually; ERA supplies the blind samples for the study	
5	Trojan UV	\$2,750.00
	Provides ultraviolet lamps for the UV disinfection system.	
6	USA Bluebook	\$7,500.00
	Lab and plant supplies	
7	Hach	\$7,500.00
	Lab supplies	
8	Lab accreditation Fee	\$4,500.00
9	Peninsula Sanitation - Headworks Debris	\$3,500.00
		<b>\$63,900.00</b>

# 2021 Budget

## Sewer Fund

	<b>Operating Supplies</b>	
10	Grainger	\$1,500.00
	Safety, lab and hardware	
11	Universal Blower PAC	\$2,500.00
	Supplies blower belts and filters	
12	North Central Laboratories	\$7,000.00
	Lab supplies	
13	K&L Supply	\$4,500.00
14	ALS	\$8,500.00
	Lab Testing	
15	DR3900 Spectrophotometer	\$5,000.00
16	40x-1600x Turret Phase Microscope	\$4,000.00
17	Misc Operating Supplies	\$6,000.00
		<b>\$39,000.00</b>
	<b>Capital Equipment</b>	
18	Whitney Pumps	\$45,000.00
	Service and rebuild	
19	Electrical Work	\$20,000.00
20	VFD Aerator Blowers to Replace Standard Drive	\$72,000.00
		<b>\$137,000.00</b>
	<b>Training</b>	
21	Continuing Education	\$8,000.00
	Wastewater operators CEU's and licenses	
		<b>\$8,000.00</b>

# 2021 Budget

## Training and Certification Plan

### Current Certifications

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

John – WWTPO 2, WTPO 1, WDM 1, Asbestos Certification

Kris – WWTPO 2, Asbestos Certification

Tye – WWTPO 1, CCS, WDS 1, Asbestos Certification

Tim P – Multiple SAE Mechanic Certs

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

## Sewer Fund

<b>CITY OF LONG BEACH</b>		<b>2021 Budget</b>				
<b>Sewer Operations - 402</b>						
		<b>2020 Budget</b>				
<b>DESCRIPTION</b>	<b>2021 Budget</b>	<b>COVID Estimate</b>	<b>2020 Budget</b>	<b>2019 Actual</b>	<b>2018 Actual</b>	<b>2017 Actual</b>
<b>REVENUES</b>						
BEGINNING FUND BALANCE	571,591	463,708	304,382	200,812	113,698	68,676
<b>TOTAL BEGINNING FUND BALANCE</b>	<b>571,591</b>	<b>463,708</b>	<b>304,382</b>	<b>200,812</b>	<b>113,698</b>	<b>68,676</b>
SEWER RECEIPTS	1,472,493	1,457,914	1,457,914	1,406,253	1,326,470	1,197,928
SEWER CONNECTIONS	20,000	15,000	20,000	43,750	112,625	16,067
BIOSOLIDS PLANT OPS - ILWACO						
TIMBER SALES		190,000	260,000			
COMPOST SALES	1,000		1,000			
SEWER CONTRACTS	10,000	25,000	10,000	11,382		
PAC MNT GRANT FOR TYE	2,000	2,000	2,000	4,500		
FUND CONTRIBUTIONS	150	150	150	-	254	-
ILWACO ENG REPORT PAYBACK	2,500	2,500	2,500	2,548		
ILWACO BIOSOILDS LOAN PAYBACK					45,000	
DOE INTERGOVERNMENTAL LOAN	200,000	2,000,000	1,100,000	4,217,746	-	
<b>TOTAL REVENUES</b>	<b>1,708,143</b>	<b>3,692,564</b>	<b>2,853,564</b>	<b>5,686,179</b>	<b>1,484,349</b>	<b>1,213,995</b>
Loan Repayment from Storm Water				10,000	10,000	10,000
<b>TOTAL OTHER FINANCING SOURCES</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>10,000</b>	<b>10,000</b>	<b>10,000</b>
<b>TOTAL SEWER OPERATIONS</b>	<b>2,279,734</b>	<b>4,156,272</b>	<b>3,157,946</b>	<b>5,896,991</b>	<b>1,608,047</b>	<b>1,292,671</b>

# 2021 Budget

## Sewer Fund

DESCRIPTION	2021 Budget	2020 Budget COVID Estimate	2020 Budget	2019 Actual	2018 Actual	2017 Actual
<b>EXPENDITURES</b>						
ENGINEERING PROFESSIONAL SERV. *	40,000	220,000	120,000	336,848	194,660	59,753
SALARIES	409,988	402,637	402,637	343,962	384,783	381,306
BENEFITS	205,210	205,448	205,448	189,832	227,136	230,804
OPERATING SUPPLIES	140,000	146,500	146,500	118,739	81,429	82,018
ACCOUNTING SERVICES	5,000	5,000	5,000		-	-
PROFESSIONAL SERVICES	30,000	25,000	30,000	8,197	9,312	44,867
COMMUNICATIONS	4,000	4,000	2,500	2,712	2,564	2,747
TRAVEL	5,000	4,000	5,000	3,665	1,440	126
ADVERTISING	150	150	150	122	1,004	888
INSURANCE	60,209	43,152	40,000	41,573	40,909	9,610
UTILITIES	55,000	52,000	48,500	38,445	41,071	40,355
REPAIRS & MAINTENANCE	80,000	75,000	125,000	36,402	132,339	50,957
EQUIPMENT	75,000	20,000	40,000	18,532	1,253	23,686
SEWER INSPECTION & CLEANING	35,000	30,000	30,000		-	-
TRAINING	8,000	7,500	7,000	4,868	1,069	3,742
STATE EXCISE TAX	56,720	56,159	40,000	54,234	50,171	46,079
<b>TOTAL EXPENDITURES</b>	<b>1,209,278</b>	<b>1,296,546</b>	<b>1,196,458</b>	<b>1,198,131</b>	<b>1,175,140</b>	<b>979,040</b>
BIOSOLIDS PLANT CONSTRUCTION *	200,000	1,800,000	1,000,000	3,935,824	-	
REFUNDS				2,090		
<b>TOTAL NON-EXPENDITURES</b>	<b>200,000</b>	<b>1,800,000</b>	<b>1,000,000</b>	<b>3,937,914</b>	<b>-</b>	<b>-</b>

# 2021 Budget

## Sewer Fund

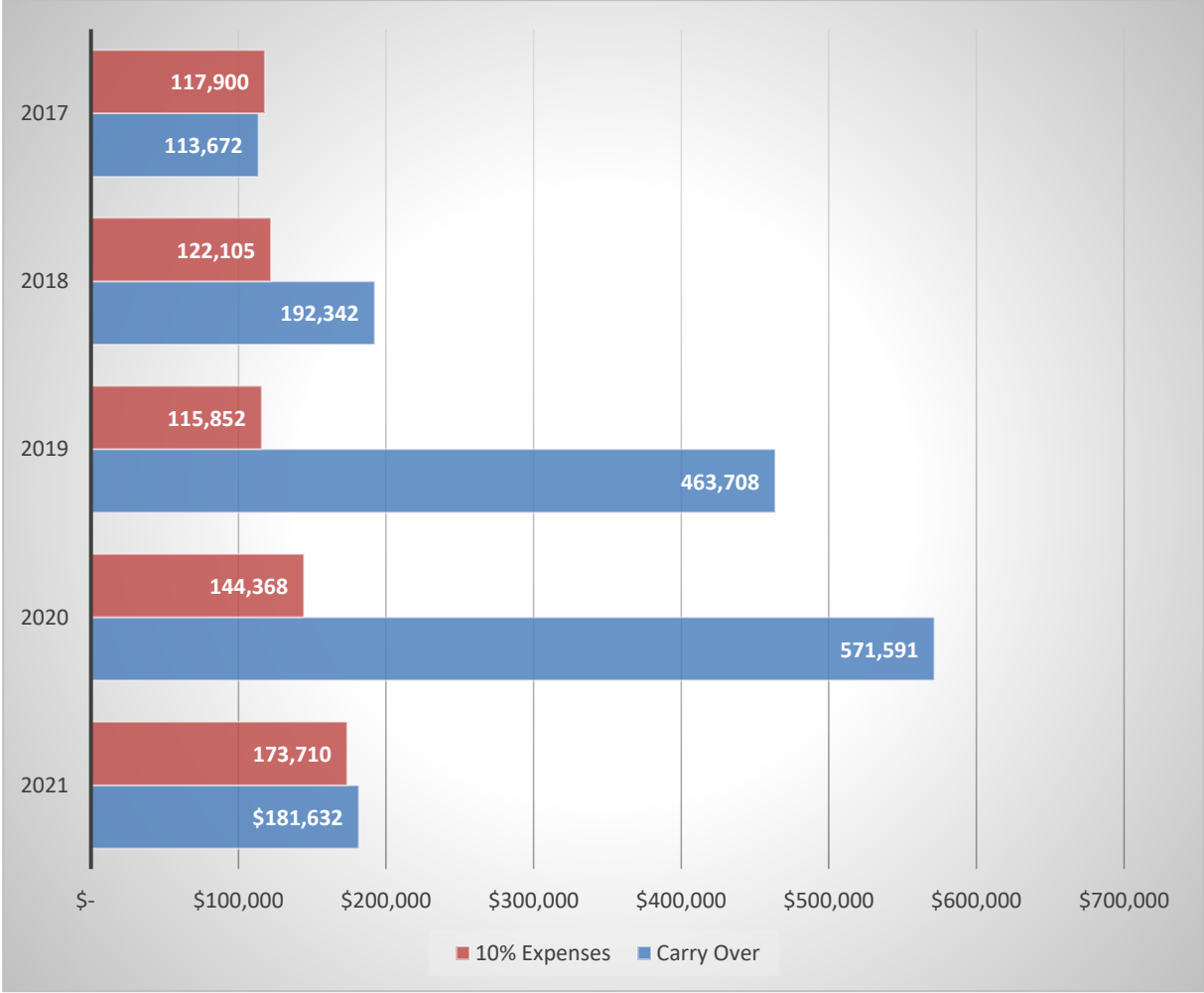
		2020 Budget COVID Estimate	2020 Budget	2019 Actual	2018 Actual	2017 Actual
DESCRIPTION	2021 Budget					
PWTF LOAN - WWTP PHASE 1		10,389	10,389	10,492	10,595	10,697
CCWF LOAN - WWTP PHASE 1	30,188	30,188	30,188	30,188	29,921	29,948
CCWF LOAN - WWTP PHASE 2	133,686	133,686	133,686	133,686	133,686	134,467
CCWF LOAN - WWTP P2 & 3 - DESIGN	16,880	16,880	16,880	16,880	25,321	7,659
DOE ENG REPORT	5,017	4,500	4,500	4,500		
DOE Biosolids Plant	304,415		249,207			
1992 Bond Reserve Contribution	17,638	17,638	17,638	17,638	17,189	17,189
TRANS. FUNDS TO CURRENT EXPENSE		23,854	23,854	23,854	23,854	-
TRANS. FUNDS TO SEWER SINKING	60,000	130,000	60,000	60,000		
<b>TOTAL OTHER FINANCING USES</b>	<b>567,824</b>	<b>367,135</b>	<b>546,342</b>	<b>297,238</b>	<b>240,565</b>	<b>199,960</b>
<b>TOTAL SEWER OPERATIONS</b>	<b>1,977,102</b>	<b>3,463,681</b>	<b>2,742,800</b>	<b>5,433,284</b>	<b>1,415,705</b>	<b>1,178,999</b>
Carry Over	181,632	571,591	294,146	463,708	192,342	113,672

# 2021 Budget Sewer Fund

<b>City of Long Beach</b>				
<b>SEWER SINKING FUND -405</b>				
	<b>2021</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>
<b>DESCRIPTION</b>	<b>Budget</b>	<b>Estimate</b>	<b>Actual</b>	<b>Actual</b>
<b>Revenues</b>				
BEGINNING FUND BALANCE	190,000	60,000	-	
<b>TOTAL BEGINNING FUND BALANCE</b>	<b>190,000</b>	<b>60,000</b>	-	
<b>TOTAL REVENUES</b>			-	
TRANSFER FROM 402 -SEWER	60,000	130,000	60,000	
<b>TOTAL SEWER SINKING</b>	<b>250,000</b>	<b>190,000</b>	<b>60,000</b>	<b>-</b>
<b>Expenditures</b>				
<b>SEWER SINKING FUND</b>				
TRANSFER TO 402 - SEWER			-	
<b>TOTAL NON EXPENDITURES</b>			-	
LOAN TO SEWER - 402				
<b>TOTAL SEWER SINKING EXPENDITURES</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<i>Carry Over to next year</i>	250,000	190,000	60,000	-

# 2021 Budget

## Sewer Fund – Carry Over



# 2021 Budget

## Sewer Fund – Loan Amortization Tables

Lift station and lab    Engineering P2&3    Sludge Truck    Digester, Clarifier & UV    Engineering Report    Biosolids Plant

	DOE L0000019		Doe L0100026		BOP-60067115		DOE-L0400011		WQC-2018-LongBe-00128 DOE SRF Loan - Biosolids Engineering Report		WQC-2019-LongBe-00060 DOE SRF Loan - Biosolids Plant	
Year	Principal	Interest	Principal	Interest	Principal	Interest	Principal	Interest	Principal	Interest	Principal	Interest
2021	29,409	779	16,322	558	15,706	1,947	124,201	9,485	5,017	80	164,707	139,708
2022	30,701	336	16,568	312	16,421	1,240	126,077	7,609	5,052	44	215,278	89,137
2023			8,377	63	15,724	500	127,981	5,705	2,539	9	219,403	85,011
2024							129,914	3,772			223,609	80,806
2025							131,876	1,810			227,894	76,520
2026							21,241	240			232,262	72,152
2027											236,714	67,701
2028-2040											3,371,321	433,864
<b>TOTAL</b>	<b>500,000</b>	<b>85,567</b>	<b>284,852</b>	<b>44,315</b>	<b>220,000</b>	<b>119,123</b>	<b>2,255,718</b>	<b>351,156</b>	<b>22,574</b>	<b>361</b>	<b>4,891,188</b>	<b>1,044,899</b>
<i>Total as of 1/2022</i>	30,701	336	24,945	375	32,145	1,739	537,088	19,136	7,591	53	4,726,481	905,191