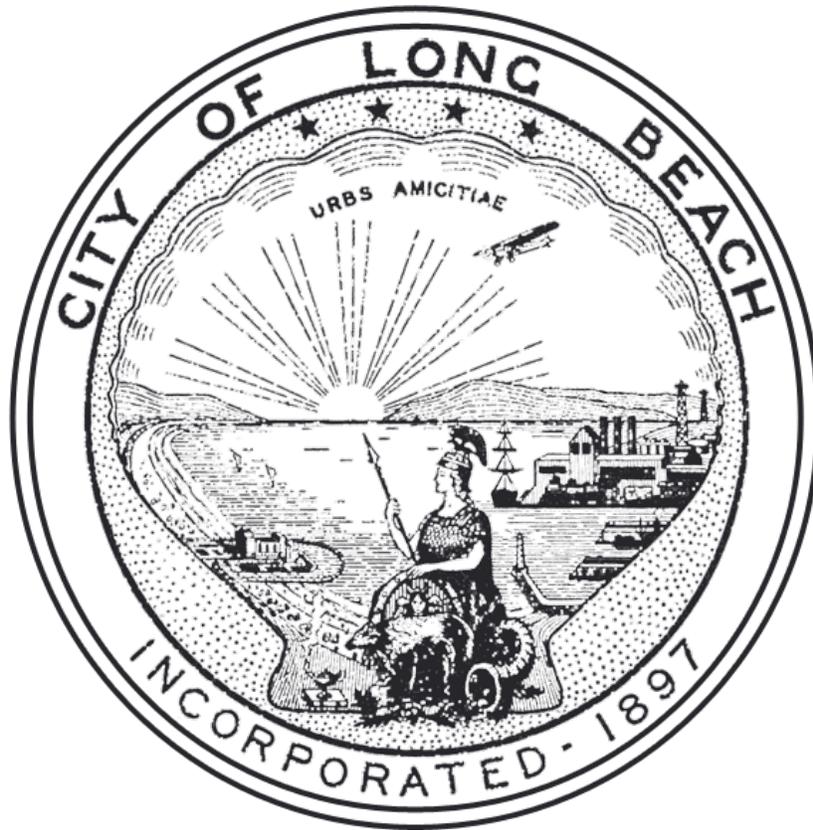


CONTINUING DISCLOSURE ANNUAL REPORT

FISCAL YEAR ENDING SEPTEMBER 30, 2018



CITY OF LONG BEACH, CALIFORNIA

**City Treasurer
333 West Ocean Boulevard, 6th Floor
Long Beach, California 90802**

**Continuing Disclosure
Annual Report for Fiscal Year Ending September 30, 2018**

This Continuing Disclosure Annual Report has been prepared to satisfy the continuing disclosure undertakings of the City of Long Beach, California, in connection with the following obligations (the “Obligations”):

- Harbor Revenue Refunding Short-Term Notes Series 2018A
- Tidelands Revenue Bonds Series 2017A (Aquarium of the Pacific Project)
- Tidelands Revenue Bonds Series 2017B (Queen Mary Improvements)
- Harbor Revenue Bonds Series 2017A (AMT)
- Harbor Revenue Bonds Series 2017B (AMT) (Green Bonds)
- Harbor Revenue Bonds Series 2017C (Non-AMT)
- Finance Authority of Long Beach, Lease Revenue Bonds Series 2016A (Courthouse Demolition Project)
- Finance Authority of Long Beach, Lease Revenue Bonds Series 2016B (Rainbow Harbor Refinancing Project)
- City of Long Beach, Senior Sewer Revenue Refunding Bonds Series 2016A
- Marina Revenue Bonds (Alamitos Bay Marina Project) Series 2015A
- Harbor Revenue Refunding Bonds Series 2015A (AMT) and B (Non-AMT)
- Harbor Revenue Bonds Series 2015C (AMT) and D (Non-AMT)
- Harbor Revenue Refunding Bonds Series 2014B (Non-AMT)
- Long Beach Bond Finance Authority, Lease Revenue Refunding Bonds Series 2012A
- Long Beach Bond Finance Authority, Revenue Refunding Bonds Series 2012 (Aquarium of the Pacific Project)
- Second Lien Water Revenue Bonds Series 2012A
- Water Revenue Refunding Bonds Series 2010A
- Harbor Revenue Refunding Bonds Series 2010A and B
- City of Long Beach Senior Airport Revenue Bonds Series 2010A (Private Activity) and B (Governmental)
- Long Beach Senior Airport Revenue Bonds Series 2009A and C (Taxable Build America Bonds)
- Long Beach Bond Finance Authority, Natural Gas Purchase Revenue Bonds Series 2007A (Fixed Rate) and B (LIBOR)

- Long Beach Bond Finance Authority, Lease Revenue Bonds (Parks/Open Space Financing Project) Series 2006B
- Pension Obligation Refunding Bonds Series 2002A and B (Taxable)
- Harbor Revenue Refunding Bonds Series 1998A

In accordance with the provisions of Rule 15c2-12 of the Securities and Exchange Commission and the respective continuing disclosure obligations of the City, this Continuing Disclosure Annual Report is being filed with the Municipal Securities Rulemaking Board through its Electronic Municipal Market Access (“EMMA”) website for the benefit of the owners of the Obligations. All capitalized terms used herein shall have the meanings set forth in the respective continuing disclosure obligations for the issues.

The audited financial statements of the City for the Fiscal Year ending September 30, 2018, are filed on EMMA separately and concurrently with the filing of this Report. The data herein is subject to revision or restatement.

The annual reports for the following issues are filed separately on EMMA and are not included herein:

- County of Los Angeles Redevelopment Refunding Authority, Tax Allocation Revenue Refunding Bonds Series 2015A (Tax-Exempt) and Series 2015B (Federally Taxable)
- Redevelopment Agency of the City of Long Beach, Taxable Recovery Zone Economic Development Bonds (North Long Beach) Series 2010A and B
- Long Beach Bond Finance Authority, Tax Allocation Revenue Bonds (Downtown and North Long Beach Redevelopment Project Areas) Series 2005C
- Long Beach Bond Finance Authority, Tax Allocation Revenue Bonds (Downtown and West Long Beach Industrial Redevelopment Project Areas) Series 2002B
- Assessment District No. 08-01 (The Toledo Utility Undergrounding) 2010 Limited Obligation Improvement Bonds
- Community Facilities District No. 5 (Long Beach Towne Center) 2008 Special Tax Bonds
- Community Facilities District No. 6 2002 Special Tax Bonds (Pike Public Improvements)
- Community Facilities District No. 2007-2 (Belmont Shore) 2009 Special Tax Bonds
- Community Facilities District No. 2007-1 (Douglas Park – Commercial Area) Special Tax Bonds, Series 2007-A

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**Certain General Fund Financial Information
City of Long Beach**

**General Fund Revenues and Expenditures
(In \$000's)**

	<i>Fiscal Year Ending 9/30</i>				
	<u>2018</u>	<u>2017</u>	<u>2016</u>	<u>2015</u>	<u>2014</u>
REVENUES					
Property Taxes	\$ 157,906	\$ 155,204	\$ 151,167	\$ 151,111	\$ 141,898
Other Taxes ⁽¹⁾	205,942	168,941	138,228	134,929	126,915
Franchise Fees	20,308	25,912	24,911	25,915	26,175
Licenses and Permits	18,501	17,057	16,469	15,170	14,899
Fines and Forfeitures	15,946	16,184	16,292	15,988	16,166
Use of Money & Property	35,470	30,119	37,704	36,327	52,219
From Other Agencies	5,723	3,798	3,040	4,668	5,932
Charges for Services	38,797	31,663	27,514	26,310	26,415
Other	7,749	6,838	7,884	6,139	6,845
Total Revenues	<u>\$ 506,342</u>	<u>\$ 455,716</u>	<u>\$ 423,209</u>	<u>\$ 416,557</u>	<u>\$ 417,464</u>
EXPENDITURES CURRENT					
Legislative and Legal	\$ 13,378	\$ 11,518	\$ 11,420	\$ 9,604	\$ 11,373
General Government	23,521	20,823	19,669	16,900	17,769
Public Safety	341,050	332,143	290,142	282,516	277,741
Public Health	8,464	6,774	6,106	5,876	5,371
Community & Cultural	46,607	46,781	42,847	41,849	41,215
Public Works	41,975	43,113	37,415	34,917	30,706
Oil Operations	2,945	2,563	2,352	3,512	4,309
Total Current Expenditures	<u>\$ 477,940</u>	<u>\$ 463,715</u>	<u>\$ 409,951</u>	<u>\$ 395,174</u>	<u>\$ 388,484</u>
DEBT SERVICE⁽²⁾					
Principal	80	--	--	--	--
Interest	--	--	--	--	--
Fiscal Agent Fees	9	9	340	--	--
Costs of New Bonds	--	--	--	--	--
Total Expenditures	<u>\$ 478,029</u>	<u>\$ 463,724</u>	<u>\$ 410,291</u>	<u>\$ 395,174</u>	<u>\$ 388,484</u>
Excess of Revenues Over (Under)					
Expenditures	28,313	(8,008)	12,918	21,383	28,980
Other Financing Sources (Uses)					
Proceeds from Other Long-Term Obligations			-	-	-
Debt Issuance		-	13,150	-	1,012
Premium on Debt Issuance	-	-	1,045	-	-
Payment to Refunded Bond Escrow Agent	-	-	-	-	-
Advances Change in Principal	-	-	-	-	-
Operating Transfers In	57,689	46,525	19,407	16,944	18,729
Operating Transfers Out	(53,026)	(45,720)	(47,967)	(44,575)	(68,179)
Total Other Financing Sources (Uses)	<u>\$ 4,663</u>	<u>\$ 805</u>	<u>\$ (14,365)</u>	<u>\$ (27,631)</u>	<u>\$ (48,438)</u>
Net Change In Fund Balances	32,976	(7,203)	(1,447)	(6,248)	(19,458)
Fund Balance - October 1	103,381	110,584	112,031	118,279	137,737
Fund Balance - September 30	<u>\$ 136,357</u>	<u>\$ 103,381</u>	<u>\$ 110,584</u>	<u>\$ 112,031</u>	<u>\$ 118,279</u>

(1) Includes sales and use tax, utility users tax, other taxes, and property tax in lieu of sales and use tax from Proposition 57.

(2) As part of the implementation of GASB 54 debt service payments were transferred from General Fund to a newly created General Debt Service Fund.

Source: City of Long Beach - Comprehensive Annual Financial Report.

General Fund Budget
(In \$000's)

	<i>Fiscal Year Ending 9/30</i>		
	<u>Adopted 17-18^(1&3)</u>	<u>Actual 17-18⁽³⁾</u>	<u>Adopted 18-19⁽³⁾</u>
REVENUES			
Property Taxes	\$ 160,339	\$ 157,906	\$ 169,942
Other Taxes ⁽²⁾	185,071	205,942	191,586
Franchise Fees	25,797	20,308	26,248
Licenses and Permits	23,184	18,501	25,111
Fines and Forfeitures	15,592	15,946	19,089
Use of Money & Property	28,445	33,996	18,540
From Other Agencies ⁽³⁾	4,398	5,723	4,910
Charge for Services	35,042	38,797	56,175
Other	4,293	7,749	3,888
Total Revenue	\$ 482,161	\$ 504,868	\$ 515,489
EXPENDITURE CURRENT			
Legislative and Legal	\$ 14,777	\$ 13,378	\$ 12,820
General Government	21,268	23,814	31,322
Public Safety	330,838	341,079	359,488
Public Health	7,981	8,472	7,847
Community & Cultural	50,086	46,587	47,846
Public Works	40,140	42,257	38,375
Oil Operations	1,299	2,945	3,243
Total Current Expenditures	\$ 466,389	\$ 478,532	\$ 500,941
DEBT SERVICE			
Principal	-	80	-
Interest	-	9	-
Fiscal Agent Fees	-	-	-
Cost of New Bond Issuance	-	-	-
Total Expenditures	\$ 466,389	\$ 478,621	\$ 500,941
Excess of Revenues (over/under) Expenditures	15,772	26,247	14,548
Proceeds from Other Long-Term Obligations	-	-	-
Discount on Debt Issuance	-	-	-
Payment to Refunded Bond Escrow Agent	-	-	-
Advanced Capitalized Interest	-	-	-
Operating Transfers In	20,421	57,689	15,110
Operating Transfers Out	(35,874)	(53,026)	(40,389)
Total Other Financing Sources (Uses)	(15,453)	(4,663)	(25,279)
Net Change In Fund Balances	319	30,910	(10,731)
Beginning Fund Balance - October 1	103,381	103,381	136,357
Encumbrance, Beginning of the Year ⁽⁴⁾	-	2,066	-
Ending Fund Balance - September 30	\$ 103,700	\$ 136,357	\$ 125,626

⁽¹⁾ Actuals based on General Fund Statement of Revenues and Expenditures, and change in fund balance on a Non-GAAP budgetary basis.

⁽²⁾ Includes sales and use tax, measure A, transient occupancy tax, utility users tax, other taxes and property tax in lieu of sales and use tax from Proposition 57..

⁽³⁾ Fund Type Definitions, the City reviewed all the governmental fund revenue streams and made reclassifications for FY 2011 as follows: Motor Vehicle in Lieu Tax and Property Tax in Lieu of Vehicle License Fees from Other Agencies to Property Tax, Pipeline and Electrical Franchise Fees from Other Taxes to Franchise Fees (new category), Pipeline Safety Fees from Charges for Services to Franchise Fees, and Private Refuse Hauler Franchise Fees from License and Permits to Franchise Fees. In addition, the Upland Oil Fund was reclassified from a Special Revenue Fund to a subset of the General Fund and Debt Service payments were transferred from General Fund to a newly created General Debt Service Fund.

⁽⁴⁾ The encumbrances line item is retained for presentation purposes for disclosure; it no longer applies within CAFR in the budget columns. Thus, the encumbrance line is to be considered an adjustment for budgetary basis in the actuals column; it is actually comprised of the net of encumbrances less the change in mark-to-market and other adjustments.

Source: City of Long Beach - Comprehensive Annual Financial Report.

General Fund Balance Sheet
(In \$000's)

	<i>Fiscal Year Ending 9/30</i>				
	<u>2018</u>	<u>2017</u>	<u>2016</u>	<u>2015</u>	<u>2014</u>
ASSETS					
Pooled Cash and Cash Equivalents	\$ 107,895	\$ 83,114	\$ 105,373	\$ 104,710	\$ 114,807
Investments short-term non-performing	--	--	--	--	--
Cash - Non-Pooled and Cash Equivalents	1,331	6,095	6,115	329	373
Investment - Non-Pooled	--	--	--	--	--
Investment Interest Receivable	8	9	--	--	--
Property Taxes Receivable	98,472	93,430	90,005	88,349	83,658
Accounts Receivable	37,741	36,989	38,661	43,876	42,776
Allowances for Uncollectible Taxes & Accounts Receivable	(25,025)	(27,264)	(28,243)	(33,627)	(33,162)
Notes & Loans Receivable	1,346	1,346	1,446	1,712	1,789
Due from Other Governments	41,229	31,840	18,984	18,080	16,110
Due from Other Funds	9,469	7,842	6,091	14,106	7,391
Advances to Other Funds	--	--	--	--	--
Other Noncurrent Receivables	--	--	--	--	--
Allowances for Advances to Other Funds	--	--	--	--	--
Capital Lease Receivable	--	--	--	--	--
Inventory	--	--	--	--	--
Other Assets	1,375	500	102	2	6
Total Assets	<u>\$ 273,841</u>	<u>\$ 233,901</u>	<u>\$ 238,534</u>	<u>\$ 237,537</u>	<u>\$ 233,748</u>
LIABILITIES AND FUND BALANCES					
<i>Liabilities</i>					
Accounts Payable	15,054	13,211	14,529	9,198	11,649
Accrued Wages Payable	9,546	10,604	8,457	6,562	5,726
Accrued Interest Payable	--	--	--	--	--
Due to Other Governments	494	401	297	340	301
Due to Other Funds	7,206	5,558	5,401	10,259	5,513
Advances From Other Funds	1,614	2,114	2,614	3,114	3,614
Unearned Revenues	1,726	2,105	3,680	4,543	1,552
Accrued Claims and Judgements	--	--	--	--	--
Deposits and Collections Held in Trust	3,413	3,291	3,197	2,752	2,603
Total Liabilities	<u>\$ 39,053</u>	<u>\$ 37,284</u>	<u>\$ 38,175</u>	<u>\$ 36,768</u>	<u>\$ 30,958</u>
<i>Deferred Inflows of Resources⁽¹⁾</i>					
Deferred Inflows	98,431	93,236	89,775	88,738	84,511
FUND BALANCES					
Nonspendable	1,375	500	102	2	6
Restricted	4,807	4,469	4,498	4,308	4,266
Committed ⁽³⁾	67,640	64,539	63,568	62,597	61,079
Assigned ⁽³⁾	59,463	31,947	38,482	42,953	47,631
Unassigned	3,072	1,926	3,934	2,171	5,297
Total Fund Balances	<u>\$ 136,357</u>	<u>\$ 103,381</u>	<u>\$ 110,584</u>	<u>\$ 112,031</u>	<u>\$ 118,279</u>
Total Liabilities and Fund Balances	<u>\$ 273,841</u>	<u>\$ 233,901</u>	<u>\$ 238,534</u>	<u>\$ 237,537</u>	<u>\$ 233,748</u>

⁽¹⁾ In 2013, the City implemented GASB Statement No. 65 which required reclassifying as deferred inflows, items that were previously reported as liabilities.

Source: City of Long Beach - Comprehensive Annual Financial Report.

Assessed Valuations and Tax Collection Records
(In \$000's)

The City uses the County of Los Angeles for tax assessment and collection. City taxes are assessed and collected at the same time and on the same tax rolls as the County, school and special district taxes. Summarized below is the assessed valuation and tax collection record of the City since 2014.

<i>Fiscal Year Ending 9/30⁽¹⁾</i>	<i>Estimated Full Market Valuation</i>	<i>Valuation For Revenue Purposes</i>	<i>Total City Levy</i>	<i>Total Current Tax Levy Collections</i>	<i>% of Current Levy Collected</i>
2018	\$ 57,053,523	\$ 57,053,523	\$ 239,445	\$ 141,921	59.3%
2017	54,043,738	54,043,738	195,509	132,151	67.6
2016	51,474,283	51,474,283	223,418	147,545	66.0
2015	50,105,751	50,105,751	207,203	126,701	61.1
2014	48,868,416	48,868,416	184,500	132,481	71.8

⁽¹⁾ Based on Los Angeles County's Fiscal Year Ending June 30.
Source: City of Long Beach - Comprehensive Annual Financial Report.

Assessed Valuations

<i>Fiscal Year</i>	<i>Secured</i>	<i>Unsecured</i>	<i>Less Exemptions</i>	<i>Taxable Assessed Value</i>	<i>Total Direct Tax Rate</i>
2014	\$ 47,768,304	\$ 2,730,192	\$ (1,630,080)	\$ 48,868,416	1.00%
2015	48,648,554	3,029,600	(1,572,403)	50,105,751	1.00
2016	49,939,578	2,959,078	(1,424,373)	51,474,283	1.00
2017	52,481,371	3,180,877	(1,618,510)	54,043,738	1.00
2018	55,394,865	3,239,627	(1,580,969)	57,053,523	1.00

Source: California Municipal Statistics, Inc.

General Fund Tax Revenue By Source

	2014-15	2015-16	2016-17	2017-18
Property Tax	\$ 151,111	\$ 151,167	\$ 155,204	\$ 157,906
Utility Users Tax	38,419	37,079	35,858	36,639
Sales & Use Tax	61,613	65,148	58,331	69,308
Transient Occupancy Tax	17,159	18,316	18,317	20,856
Franchise Fees	25,915	24,911	25,912	20,308
Measure A	0	0	38,923	61,544
Other Tax	17,738	17,685	17,512	17,595
Total	\$ 311,955	\$ 314,306	\$ 350,057	\$ 384,156

Source: City of Long Beach - Comprehensive Annual Financial Report - FY 2018 Unaudited.

**Property Tax Rate
All Overlapping Governments (Per \$100 of Assessed Value)**

<i>Fiscal Year Ending 9/30⁽¹⁾</i>	<i>City Direct Rate</i>	<i>County Of Los Angeles</i>	<i>Unified Schools</i>	<i>Community Colleges</i>	<i>Special Districts</i>	<i>Total</i>
2018	1.00000	0.00000	0.12323	0.04621	0.00350	1.17294
2017	1.00000	0.00000	0.12219	0.04599	0.00350	1.17168
2016	1.00000	0.00000	0.12971	0.03575	0.00350	1.16896
2015	1.00000	0.00000	0.14688	0.04017	0.00350	1.19056
2014	1.00000	0.00000	0.14644	0.04454	0.00350	1.19448

⁽¹⁾ Based on Los Angeles County's Fiscal Year Ending June 30.

Note: In 1978, California voters passed Proposition 13 which set the property tax rate at a 1% fixed amount. Valuations of real property are frozen at the value of the property in 1975, with an allowable adjustment up to 2% per year for inflation. However, property is reassessed to its current value when a change of ownership occurs. New construction, including tenant improvements, is assessed at its current value. This 1% is shared by all taxing agencies for which the subject property resides. In 1986, the State Constitution was amended to allow rates over the 1% base rate for voter approved general obligation debt. Source: City of Long Beach - Comprehensive Annual Financial Report - FY 2018 Unaudited.

Investment Portfolio Performance

The following is a summary of the City Treasurer's Quarterly Investment Portfolio Report as of September 30, 2018:

Invested Market Balance*	\$1,539,610,685
Portfolio Market Yield (annualized basis)	1.4696%
Weighted average portfolio maturity in days / years	390/ 1.07

*Excludes cash on deposit in various bank accounts.

Source: City of Long Beach - Department of Financial Management

Vacation, Holiday Pay, and Sick Leave

For information concerning the City's Retired Employees Health Insurance Program, vacation, holiday pay and sick leave, see the City Audited Financial Report for the Fiscal Year Ended September 30, 2018 (including Note 14), which is filed on EMMA.

Insurance Coverage

The City has adopted separate insurance programs for workers' compensation and general liability claims. The City is self-insured for workers' compensation and general liability for the first \$4 million and first \$3 million per occurrence, respectively. In addition, the City has excess insurance coverage up to \$100 million and \$50 million, respectively.

At September 30, 2018, the City accrued non-discounted estimates totaling \$162.9 million for workers' compensation and general liability claims. This represents estimates of amounts to be paid for actual and incurred-but-not-reported claims based upon past experience, modified for current trends and developments. The City has recorded a current liability of \$28.8 million and a long-term liability of \$134.1 million in the Insurance Internal Service Fund.

The ultimate amount of losses incurred through September 30, 2018 is dependent on future developments. Based upon actuary evaluation, City's management believes that the aggregate accrual adequately represents such losses. A summary of the City's claims activity for the fiscal years ended September 30, 2018 and 2017 is as follows (in thousands):

	<i>Workers' Compensation Claims</i>	<i>General Liability Claims</i>	<i>Total</i>
Balance at October 1, 2016:	\$ 114,351	\$ 20,602	\$ 134,953
Additions (Reductions)	18,595	12,675	31,270
Payments	(3,197)	(6,906)	(10,103)
Balance at September 30, 2017:	\$ 129,749	\$ 26,371	\$ 156,120
Additions (Reductions)	19,653	15,220	34,873
Payments	(14,455)	(13,681)	(28,136)
Balance at September 30, 2018	\$ 134,947	\$ 27,910	\$ 162,857

Source: City of Long Beach - Comprehensive Annual Financial Report

Certain Information Relating to Pensions Plans and Other Post Employment Benefits

Following is certain summary information concerning the City's pension plans. For additional information see Note 13- "Retirement Programs" and the Required Supplementary Information in the City's Comprehensive Annual Financial Report of the City for the Fiscal Year Ended September 30, 2018.

In December 2016, the CalPERS Board approved the reduction of the assumed actuarial investment rate from 7.50 to 7.0%, over a two year period. As a result of this action, the City's unfunded liabilities significantly increased. In addition, as a result of the change in investment rate and other factors, the City's required annual contributions to CalPERS are projected to significantly increase.

CalPERS Actuarially Determined Contribution (In \$000's)

<i>Fiscal Year</i>	<i>Miscellaneous Actuarially Determined Contribution⁽¹⁾</i>	<i>Safety Actuarially Determined Contribution⁽¹⁾</i>	<i>Total Actuarially Determined Contribution⁽¹⁾</i>	<i>Percentage Contribution</i>
2015	\$ 35,136	\$ 29,815	\$ 64,951	100%
2016	39,877	32,845	72,722	100
2017	45,864	39,371	85,235	100
2018	53,278	46,437	99,715	100

Source: City of Long Beach, California Comprehensive Annual Financial Report.

⁽¹⁾ Does not include debt service on the City's pension obligation bonds.

Contribution Rates:

Safety Plan of the City of Long Beach

<u>Fiscal Year</u>	<u>Employer Normal Cost</u>	<u>Unfunded Liability Payment</u>
2019-20	20.338%	\$34,854,451

Miscellaneous Plan of the City of Long Beach

<u>Fiscal Year</u>	<u>Employer Normal Cost</u>	<u>Unfunded Liability Payment</u>
2019-20	10.214%	\$49,796,572

Source: CalPERS Actuarial Reports for the City.

**Funding Status of Retirement Plans
(In \$000's)**

<u>June 30 Actuarial Valuation Date</u>	<u>Market Value of Assets</u>	<u>Actuarial Accrued Liability (AAL)</u>	<u>Unfunded AAL (UAAL)</u>	<u>Funded Ratio</u>	<u>Covered Payroll</u>	<u>UAAL as a % of Covered Payroll</u>
<u>Miscellaneous Employees</u>						
2013	\$1,652,793	\$2,143,507	\$490,714	77.1%	\$219,853	223.2%
2014	1,878,567	2,317,460	438,892	81.1	216,723	202.5
2015	1,854,568	2,380,264	525,954	77.9	221,565	237.3
2016	1,798,587	2,451,922	653,334	73.4	227,944	286.6
2017	1,932,183	2,527,614	595,430	76.4	235,744	252.5
<u>Safety Employees</u>						
2013	\$1,659,337	\$2,002,964	\$343,627	82.8%	%121,770	282.2%
2014	1,886,789	2,170,646	283,857	86.9	123,558	229.7
2015	1,863,660	2,235,103	371,444	83.4	124,067	299.3
2016	1,807,038	2,299,859	492,821	78.6	122,845	401.1
2017	1,944,346	2,408,676	464,330	80.7	132,806	349.6

Source: CalPERS Actuarial Reports for the City.

Other Post-Employment Benefits:

Commencing with fiscal year 2015-16, the City is reporting other post-employment benefits in accordance with the requirements of GASB 75. See Note 14 to the City of Long Beach California Comprehensive Annual Financial Report for Fiscal Year ended September 30, 2018. Following is certain information excerpted from Note 14:

At September 30, 2018, the City's total OPEB liability was \$51.5 million. The total OPEB liability in the September 30, 2017 actuarial valuation was determined using the actuarial assumptions and other inputs identified in the City's audited financial report, applied to all periods included in the measurement, unless otherwise specified:

Schedule of Changes in Total OPEB Liability

(As of September 30, in \$000's)

(unaudited)

Total OPEB liability – balance at October 1, 2017	\$	49,490
Service cost		2,818
Interest on total OPEB liability		1,621
Changes of assumptions		(2,023)
Benefit payments		<u>(855)</u>
Net change in total OPEB liability		<u>1,561</u>
Total OPEB liability – balance at September 30, 2018	\$	<u>51,501</u>

Notes to Schedule:

⁽¹⁾ No assets are accumulated in a trust to pay related benefits

Source: City of Long Beach, California Comprehensive Annual Financial Report

**Schedule of Direct and Overlapping Debt
September 30, 2018 (In \$000's)**

2017-18 Assessed Valuation: \$54,618,695

<u>DIRECT DEBT:</u>		Outstanding	Exclusions	Outstanding
City of Long Beach				
Lease Revenue Bonds		\$ 67,471	\$ -	\$ 67,471
Tax Allocation Bonds		233,113	-	233,113
Notes Payable		7,751	-	7,751
Capital Leases		67,670	-	67,670
Pension Obligations		19,283	-	19,283
Total Direct Debt		<u>\$ 395,288</u>	<u>\$ -</u>	<u>\$ 395,288</u>
<u>OVERLAPPING TAX AND ASSESSMENT DEBT:</u>	<u>% Applicable</u>			
Cerritos Community College District	0.358%	\$ 313,452	\$ 312,330	\$ 1,122
Coast Community College District	0.001	754,065	754,057	8
Compton Community College District	2.520	69,419	67,670	1,749
Long Beach Community College District	85.616	416,382	59,892	356,490
Los Angeles Community College District	0.054	3,930,390	3,928,268	2,122
ABC Unified School District	1.094	27,966	27,660	306
Compton Unified School District	0.022	43,170	43,161	9
Long Beach Unified School District	85.617	1,077,236	154,939	922,297
Los Angeles Unified School District	0.066	10,201,305	10,194,572	6,733
Paramount Unified School District	8.890	127,945	116,571	11,374
Metropolitan Water District	1.993	60,600	59,392	1,208
TOTAL OVERLAPPING TAX AND ASSESSMENT DEBT ⁽¹⁾		<u>\$ 17,021,930</u>	<u>\$ 15,718,512</u>	<u>\$ 1,303,418</u>
<u>OVERLAPPING GENERAL FUND OBLIGATION DEBT:</u>				
Los Angeles County General Fund Obligations	3.833%	\$ 2,192,759	\$ 2,108,711	\$ 84,048
Los Angeles County Superintendent of Schools Certificates of Participation	3.833	5,829	5,605	223
Compton Unified School District Certificates of Participation	0.022	17,260	17,256	4
Los Alamitos Unified School District Certificates of Participation	0.009	40,701	40,697	4
Los Angeles Unified School District Certificates of Participation	0.066	194,530	194,402	128
Paramount Unified School District Certificates of Participation	8.890	28,470	25,939	2,531
County Sanitation District No. 1 Certificates of Participation	1.226	7,451	7,360	91
County Sanitation District No. 2 Certificates of Participation	0.192	11,504	11,482	22
County Sanitation District No. 3 Certificates of Participation	85.834	8,741	1,238	7,503
County Sanitation District No. 8 Certificates of Participation	2.771	4,551	4,425	126
County Sanitation District No. 19 Certificates of Participation	28.953	2,072	1,472	600
TOTAL GROSS OVERLAPPING GENERAL FUND OBLIGATION DEBT		<u>\$ 2,513,867</u>	<u>\$ 2,418,587</u>	<u>\$ 95,280</u>
<u>OVERLAPPING TAX INCREMENT DEBT (Successor Agency):</u>	100.000%	\$ 225,165	\$ -	\$ 225,165
TOTAL GROSS OVERLAPPING COMBINED DEBT		\$ 19,760,962	\$ 18,137,099	\$ 1,623,863
Los Angeles Unified School District (Qualified Zone Academic Bonds supported by period payments to investment accounts)		7,440	7,435	5
TOTAL NET OVERLAPPING COMBINED DEBT		\$ 19,753,522	\$ 18,129,664	\$ 1,623,858
TOTAL NET DIRECT AND OVERLAPPING COMBINED DEBT		\$ 20,148,810	\$ 18,129,664	\$ 2,019,146

Notes:

⁽¹⁾ Excludes 1915 Act and Mello-Roos Act Bonds

Source: California Municipal Statistics, Inc.

TIDELANDS

1. City of Long Beach, Tidelands Revenue Bonds Series 2017A (Aquarium of the Pacific Project)
2. City of Long Beach, Tidelands Revenue Bonds Series 2017B (Queen Mary Improvements)
3. LBBFA, Revenue Refunding Bonds, Series 2012 (Aquarium of the Pacific Project)

Tidelands Oil Revenue Fund

Revenues, Oil Prices, and Oil Production

	<i>Fiscal Year Ending 9/30</i>				
	<i>2014⁽¹⁾</i>	<i>2015⁽¹⁾</i>	<i>2016⁽¹⁾</i>	<i>2017⁽¹⁾</i>	<i>2018⁽¹⁾</i>
Available Tidelands Oil Revenue					
LBU					
Chapter 138	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000
East Wilmington Incremental Oil	21,106	10,149	6,266	9,533	16,183
Thums Land Lease	2,615	2,619	2,659	2,727	2,946
Thums Pipeline License	259	259	259	259	259
Total:	\$ 24,980	\$ 14,027	\$ 10,184	\$ 13,519	\$ 20,387
West Wilmington					
WW Base Oil	\$19,200	\$ 4,837	\$ 272	\$ 2,480	\$ 2,759
WW Incremental Oil	-				
Tidelands' Special Facilities & Service Charge	1,685	1,770	2,026	2,168	1,687
Total:	\$ 20,885	\$ 6,607	\$ 2,298	\$ 4,648	\$ 4,446
Abandonment Fund	\$ 3,188	\$ 2,642	\$ 2,845	\$ 5,020	\$ 7,832
Available Tidelands Oil Revenue	\$ 42,677	\$ 17,992	\$ 9,681	\$ 15,349	\$ 17,002
Oil Prices and Oil Production					
Average Price per Barrel ⁽¹⁾	\$ 99.40	\$ 54.07	\$ 36.88	\$ 46.60	\$ 66.23
Oil Production (Barrels/Fiscal Year)					
East Wilmington	7,809,481	7,439,189	7,050,580	6,535,581	6,319,605
West Wilmington	1,290,037	1,211,470	1,081,993	1,014,664	935,968
Active Wells					
East Wilmington	1,237	1,205	1,198	1,176	1,156
West Wilmington	622	611	599	575	600

⁽¹⁾ Data updated to reflect audited Comprehensive Annual Financial Report figures.

Tidelands Operating Fund Revenue
Actual Revenues
(In \$000's)

	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>
Revenue:					
Other Licenses and Permits	\$ 190	\$ 127	\$ 173	\$ 184	\$ 241
Traffic Fines	258	204	205	213	241
Interest	637	1,023	1,369	305	671
Parking Fees	190	793	813	907	995
Facilities Rentals and Concessions	3,769	6,764	3,807	2,738	4,330
Marine Fees and Rentals	771	816	831	886	682
Tidelands Fees, Concessions, and Rent	195	176	181	176	175
Convention Center Revenue	506	542	545	570	565
Hyatt Utility Reimbursement	595	814	430	578	379
Engineering Labor	131	143	143	148	2,507
Other Fees	721	722	751	744	736
Interfund Transfer from Tidelands Oil ⁽¹⁾	22,106	11,149	7,297	10,543	14,213
Interfund Transfer from Tidelands Oil Measure D ⁽¹⁾	20,569	6,843	2,384	4,806	2,789
Interfund Transfer from Harbor - Measure D	17,844	17,772	18,033	19,051	20,084
Interfund Transfer In - Others		654		1,074	495
Other Revenues	544	596	584	691	228
Total Revenue	<u>\$ 69,027</u>	<u>\$ 49,103</u>	<u>\$ 37,546</u>	<u>\$ 43,614</u>	<u>\$ 49,331</u>
Prior Obligations:					
Hyatt Sublease	\$ (77)	\$ (74)	\$ (70)	\$ (72)	\$ (70)
Convention Center Management	(1,055)	(1,126)	(1,269)	(1,216)	(1,280)
DBAW Obligations	(42)	(650)	-	-	-
Sierra Bank Lease	(52)	52)	(52)	-	(54)
Total Prior Obligations	<u>(1,226)</u>	<u>(1,293)</u>	<u>(1,436)</u>	<u>(1,288)</u>	<u>(1,404)</u>
Available Tidelands Operating Revenues	<u>\$ 67,801</u>	<u>\$ 47,845</u>	<u>\$ 36,110</u>	<u>\$ 42,326</u>	<u>\$ 47,927</u>
2012 Authority Bonds⁽¹⁾	(8,165)	(8,154)	(8,144)	(8,140)	(8,139)
Series 2017 Bonds					(311)
Debt Service Coverage⁽²⁾	8.30x	5.87x	4.43x	5.20x	5.67x
Available Tidelands Operating Revenues after 2012 Authority Bonds and Series 2017 Bonds	<u>\$ 59,636</u>	<u>\$ 39,691</u>	<u>\$ 27,966</u>	<u>\$ 34,186</u>	<u>\$ 39,477</u>

(1) Does not reflect application of other amounts to 2012 Bonds debt service.

(2) Available Tidelands Operating Revenues divided by debt service on the 2012 Authority Bonds and Series 2017 Bonds.

Tidelands Operating Fund Statement of Net Assets
(In \$000's)

	<i>Fiscal Year Ending 9/30</i>				
	<i>2014</i>	<i>2015</i>	<i>2016</i>	<i>2017</i>	<i>2018</i>
ASSETS					
Current Assets:					
Pooled Cash and Cash Equivalents	\$ 179,469	\$ 153,602	\$ 144,637	\$ 125,894	\$ 128,214
Non-Pooled Cash and Cash Equivalents	7,669	9,003	10,157	12,861	12,954
Non Performing Investments	-	-	-	-	-
Receivables:					
Interest Receivable	85	59	48	46	64
Accounts Receivable	2,369	5,694	4,318	3,030	3,291
Notes and Loans Receivable	-	-	-	-	-
Due from Other Governments	639	8	17	43	10
Due from Other Funds	22,412	21,110	20,166	30,577	24,799
Other Receivables	-	-	-	-	-
Allowance for Receivables	(4)	(6)	(7)	(7)	(5)
Inventory	-	-	-	-	-
Other Assets	-	160	131	-	-
Total Current Assets	\$ 212,639	\$ 189,630	\$ 179,287	\$ 172,444	\$ 169,327
Noncurrent Assets:					
Restricted Noncurrent Asset					
Non-Pooled Cash Investments	\$ 8,212	\$ 8,254	\$ 7,516	\$ 8,353	\$ 8,326
Other Noncurrent Receivables	-	-	-	-	10,180
Advances to Other Funds	-	-	-	-	-
Capital Assets:					
Land and Other Assets not Being					
Depreciated	37,767	37,846	43,277	52,716	40,809
Property, Plant and Equipment net of					
Accumulated Depreciation	148,459	153,895	146,268	142,962	153,814
Other Assets-Long-Term	-	-	-	-	-
Total Noncurrent Assets	\$ 194,438	\$ 199,995	\$ 197,061	\$ 204,031	\$ 213,129
Total Assets	\$ 407,077	\$ 389,625	\$ 376,348	\$ 376,475	\$ 382,456
Deferred Outflows of Resources					
Deferred Outflows	\$ 7,804	\$ 12,786	\$ 17,498	\$ 17,795	\$ 13,344

Data updated to reflect audited figures.

Source: City of Long Beach - FY 2018 Unaudited.

Tidelands Operating Fund
Statement of Net Assets
(In \$000's)
(continued)

	<i>Fiscal Year Ending 9/30</i>				
	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>
LIABILITIES					
Current Liabilities payable from Current Assets:					
Accounts Payable	\$ 7,544	\$ 5,988	\$ 4,558	\$ 5,119	\$ 2,918
Accrued Wages	311	347	453	557	502
Accrued Interest Payable	1,855	1,795	1,730	1,681	1,693
Due to Other Funds	157	304	342	248	1,603
Unearned Revenues	111	115	216	224	124
Collections Held in Trust	68	84	97	110	123
Compensated Absences	-	-	-	621	693
Obligations Under Capital Leases	30	32	34	34	35
Bonds Payable Due Within One Year	3,780	3,915	4,070	4,235	4,405
Other Long Term Obligation-Current	99	16	2	2	2
Total Current Liabilities	\$ 13,955	\$ 12,596	\$ 11,502	\$ 12,831	\$ 12,098
Noncurrent Liabilities:					
Advances from Other Funds	\$ 1,300	\$ 1,300	\$ 1,300	\$ 1,300	\$ 1,300
Deferred Revenues	4,923	4,836	4,750	4,663	4,557
Compensated Absences	-	-	-	1,318	1,570
Obligations Under Capital Leases-Current	402	370	337	336	302
Other Long Term Obligations	602	6	5	3	2
Bonds Payable	89,570	85,655	81,585	84,741	89,860
Unamortized Discount (Premium)	9,847	9,043	8,224	-	-
Net OPEB Liability	-	-	503	591	697
Net Pension Liability	-	25,299	31,715	33,086	30,878
Total Noncurrent Liabilities	\$ 106,644	\$ 126,509	\$ 128,419	\$ 126,039	\$ 129,006
Total Liabilities	\$ 120,599	\$ 139,105	\$ 139,921	\$ 138,870	\$ 141,104
Deferred Inflows of Resources					
Deferred Inflows	\$ -	\$ 3,552	\$ 3,523	\$ 4,710	\$ 4,615
NET ASSETS (DEFICIT)					
Investment in Capital Assets, Net of Related Debt	\$ 97,925	\$ 108,248	\$ 110,346	\$ 120,067	\$ 100,197
Restricted for:					
Debt Service	8,285	8,371	8,433	8,411	8,369
Capital Projects	-	999	1,545	0	-
General Purpose	7,616	7,912	7,637	12,803	-
Unrestricted	180,456	134,224	122,441	109,409	128,809
Total Net Assets	\$ 196,357	\$ 259,754	\$ 250,402	\$ 250,690	\$ 250,081

Data updated to reflect audited figures.

Source: City of Long Beach - FY 2018 Unaudited.

Aquarium of the Pacific

Actual Calendar Year Attendance (In 000's)

<i>Calendar Year</i>	<u>2018</u>	<u>2017</u>	<u>2016</u>	<u>2015</u>	<u>2014</u>
Resident Attendance	1,411	1,448	1,455	1,339	1,282
Non-Resident Attendance	148	150	147	132	125
Total Actual Attendance	1,558	1,597	1,601	1,471	1,407
Children under 3	104	118	118	102	94
Total Attendance	1,662	1,715	1,720	1,573	1,501

Source: Aquarium of the Pacific Corporation

Aquarium of the Pacific Historical Operating Revenues and Expenses

	<i>Calendar Year Ending 12/31</i>				
	<u>2018⁽¹⁾⁽²⁾</u>	<u>2017⁽¹⁾⁽²⁾</u>	<u>2016⁽¹⁾⁽²⁾</u>	<u>2015⁽¹⁾⁽²⁾</u>	<u>2014⁽¹⁾⁽²⁾</u>
OPERATING REVENUES					
Admissions	\$ 23,069,831	\$ 23,571,345	\$ 22,737,627	\$ 19,006,648	\$ 17,642,998
Membership	4,413,706	4,587,870	4,658,612	4,429,201	4,211,438
Educational Programs	1,038,491	994,136	937,095	891,721	1,051,189
Retail Operations (Gross)	5,271,176	5,110,088	4,964,706	4,551,466	4,103,958
Contributions	6,890,899	4,677,115	19,413,692	4,460,361	7,198,810
Restaurant and Catering	750,301	810,253	847,607	746,139	632,630
Fundraising Events	504,393	449,433	447,851	522,939	478,238
Donated Goods and Services	587,253	554,072	557,519	593,637	639,304
Operating Interest	186,427	28,574	93,372	7,241	8,351
Other (including parking)	1,099,335	1,192,460	1,053,342	948,353	970,006
Total Operating Revenue	\$ 43,811,813	\$ 41,975,346	\$ 55,711,423	\$ 36,157,706	\$ 36,936,922
OPERATING EXPENSES					
Salaries, Taxes and Benefits	\$ 17,596,231	\$ 17,261,005	\$ 15,877,161	\$ 14,869,446	\$ 14,413,143
Insurance	563,570	451,740	337,272	312,772	278,158
Occupancy	797,655	610,214	659,886	614,397	591,277
Utilities	1,536,561	1,458,008	1,385,226	1,466,510	1,536,777
Husbandry/Animals and Collecting	442,404	367,212	464,649	400,505	369,935
Outside Services	2,332,310	2,111,034	2,067,199	2,218,186	2,469,895
Supplies/Other Expendables	2,011,612	1,983,862	1,889,597	1,729,266	1,938,818
Cost of Goods Sold	2,320,731	2,154,055	2,106,478	1,961,024	1,759,275
Printing and Publishing	625,775	625,667	585,058	563,041	490,254
Advertising and Promotion	2,069,532	1,964,243	2,285,393	2,074,878	1,901,771
Travel, Meals and Training	464,987	350,801	308,155	253,968	237,512
All Other	2,548,048	2,386,154	2,696,061	2,213,440	2,144,346
Total Operating Expense	\$ 33,309,416	\$ 31,723,996	\$ 30,662,135	\$ 28,677,433	\$ 28,131,161
Net Operating Revenues	\$ 10,502,396	\$ 10,251,350	\$ 25,049,288	\$ 7,480,273	\$ 8,805,761
CONSOLIDATED NON-OPERATING INCOME AND EXPENSES⁽³⁾⁽⁴⁾					
Redevelopment Agency Transfer	N/A	N/A	N/A	N/A	N/A
Interest	N/A	N/A	N/A	N/A	N/A
Depreciation	N/A	N/A	N/A	N/A	N/A
Change in net assets	N/A	N/A	N/A	N/A	N/A
Net assets (deficit) at beginning of year	N/A	N/A	N/A	N/A	N/A
Net assets (deficit) at end of year	N/A	N/A	N/A	N/A	N/A

(1) Financial information presented above represents revenue and expenses of The Aquarium of the Pacific, (a stand alone 501C3 corporation).

(2) Data for years 2014 through 2018 are presented on a calendar year basis, ending 12/31.

(3) Data reported in this section is based on the fiscal year ending September 30.

(4) AB1x26 dissolved the Redevelopment Agency effective the end of January 2012; therefore no transfers to the Corporation were made after that date. In addition, depreciation of Aquarium assets are reflected in the City's CAFR, located in the Tidelands section of the report.

Source: Aquarium of the Pacific Corporation - CY 2018 Unaudited.

Long Beach Airport

1. City of Long Beach, California Senior Airport Revenue Bonds, Series 2010A (Private Activity), \$48,435,000
2. City of Long Beach, California Senior Airport Revenue Bonds, Series 2010B (Governmental), \$12,965,000
3. City of Long Beach, California Senior Airport Revenue Bonds, Series 2009A, \$9,795,000
4. City of Long Beach, California Senior Airport Revenue Bonds, Series 2009C (Federally Taxable - Build America Bonds - Direct Payment To Issuer), \$44,890,000

Long Beach Airport Passenger and Cargo Volume

<i>Fiscal Year</i>	<i>Passenger Volume</i>	<i>Cargo Volume (lbs)</i>	<i>Aircraft Operations</i>
2018	4,014,164 ⁽¹⁾	46,223,625	266,892
2017	3,587,998 ⁽²⁾	52,111,312	294,303
2016	2,652,538 ⁽³⁾	57,190,400	295,007
2015	2,549,911 ⁽⁴⁾	55,934,778	300,184
2014	2,860,103 ⁽⁵⁾	55,016,824	325,527

⁽¹⁾ In FY 2018 all 50 air carrier flight slots were allocated to five passenger airlines - JetBlue, Southwest, American, Delta and Hawaiian Airlines - and two flight slots to cargo carriers - Federal Express and United Parcel Service. All of the 25 available commuter carrier flight slots remained available. Hawaiian is the newest entrant, beginning operations at LGB in June 2018.

⁽²⁾ In FY 2017 all 50 air carrier flight slots were allocated to four passenger airlines - JetBlue, Southwest, American (which assumed US Airways' operations) and Delta - and two flight slots to cargo carriers - Federal Express and United Parcel Service. All of the 25 available commuter carrier flight slots remained available for allocation.

⁽³⁾ In FY 2016 all 41 air carrier flight slots were allocated: 39 flight slots to three passenger airlines - JetBlue, US Airways and Delta, and two flight slots to cargo carriers - Federal Express and United Parcel Service. Of the 25 available commuter carrier flight slots, Delta operated three. Nine supplemental air carrier flight slots were allocated to airlines in 2016 with JetBlue receiving 3, Delta receiving 2, and Southwest receiving 4. Southwest began operations at Long Beach Airport on June 5, 2016. There are currently 50 allocated air carrier slots.

⁽⁴⁾ In FY 2015 all 41 air carrier flight slots were allocated: 39 flight slots to three passenger airlines - JetBlue, US Airways and Delta, and two flight slots to cargo carriers - Federal Express and United Parcel Service. Of the 25 available commuter carrier flight slots, Delta operated three and Alaska operated four. Alaska has discontinued service at the Airport and the slots remain unallocated.

⁽⁵⁾ In FY 2014 all 41 air carrier flight slots were allocated: 39 flight slots to three passenger airlines - JetBlue, US Airways and Delta, and two flight slots to cargo carriers - Federal Express and United Parcel Service. Of the 25 available commuter carrier flight slots, Delta operated three and Alaska operated four.

Source: City of Long Beach Airport

**Long Beach Airport
Debt Service Requirements for Senior Bonds**

<i>Bond Year Ending June 1</i>	<i>Series 2009 Bonds⁽¹⁾⁽²⁾</i>	<i>Series 2010 Bonds⁽³⁾</i>	<i>Total</i>
2019	\$ 5,193,450	\$ 4,069,163	\$ 9,262,612
2020	5,196,387	4,070,963	9,267,350
2021	5,194,187	4,074,363	9,268,550
2022	5,196,675	4,068,750	9,265,425
2023	5,192,971	4,069,300	9,262,271
2024	5,149,841	4,066,200	9,216,041
2025	5,106,083	4,065,650	9,171,733
2026	5,055,255	4,071,500	9,126,755
2027	5,002,194	4,068,500	9,070,694
2028	4,946,517	4,065,750	9,012,267
2029	4,887,845	4,073,000	8,960,845
2030	4,820,796	4,069,500	8,890,296
2031	4,756,719	4,065,500	8,822,219
2032	4,687,935	4,065,750	8,753,685
2033	4,614,056	4,069,750	8,683,806
2034	4,539,695	4,067,000	8,606,695
2035	4,459,074	4,067,500	8,526,574
2036	4,371,806	4,070,750	8,442,556
2037	4,282,503	4,066,250	8,348,753
2038	4,190,387	4,069,000	8,259,387
2039	4,089,682	4,068,250	8,157,932
2040	-	4,068,750	4,068,750
Total:	\$ 100,934,057	\$ 89,511,138	\$ 190,445,195

Note: Numbers may not total due to rounding to the nearest dollar. Amounts include both principal and interest on the bonds.

(1) Does not take into account the receipt by the City of any Federal Direct Payments with respect to the Series 2009C Bonds (Build America Bonds).

(2) The Series 2009 Bonds are secured by Net Revenues, not including PFC Revenues.

(3) The Series 2010 Bonds are secured by Net Revenues and pledged PFC Revenues.

Source: City of Long Beach Airport.

**Long Beach Airport
Historical Enplanements**

<i>Fiscal Year</i>	<i>Enplanements</i>	<i>Change (%)</i>
2009	1,466,499	1.9%
2010	1,460,041	-0.4
2011	1,532,442	5.0
2012	1,643,383	7.2
2013	1,497,503	-8.9
2014	1,433,273	-4.3
2015	1,276,679	-10.9
2016	1,327,001	3.9
2017	1,793,753	35.2
2018	2,006,292	11.8
Compounded Annual Growth Rate		
2009-2018		3.5%

**Long Beach Airport
Airlines Serving the Airport**

As of 9/30/2018

Passenger Airlines

American Airlines
JetBlue Airways

Delta Air Lines
Southwest Airlines

Hawaiian Airlines

Cargo Carriers

Federal Express
As of September 30, 2018

United Parcel Service

Source: City of Long Beach Airport

Long Beach Airport Historical Enplanement by Airline

Airline	2014		2015		2016		2017		2018	
	Enplanements	Share								
JetBlue	1,147,101	80%	1,062,506	83%	1,090,735	82%	1,411,568	79%	1,534,080	76%
Southwest ⁽¹⁾	-	0	-	0	49,960	4	211,242	12	273,737	14
Delta	84,968	6	85,241	7	87,286	7	94,400	5	100,032	5
American ⁽²⁾	130,132	9	115,475	9	98,157	7	75,238	4	76,721	4
Hawaiian ⁽³⁾	-	0	-	0	-	0	-	0	20,368	1
Alaska ⁽⁴⁾	69,003	5	12,181	1	-	0	-	0	-	0
Xtra Airways ⁽⁵⁾	-	0	-	0	271	< 1	-	< 1	-	0
Elite Airways ⁽⁵⁾	-	0	-	0	-	0	990	< 1	1,080	< 1
Miami Air ⁽⁵⁾	-	0	87	< 1	547	< 1	315	< 1	274	< 1
Republic Airlines ⁽⁵⁾	1,881	< 1	1,090	< 1	-	0	-	0	-	0
Sierra Pacific ⁽⁵⁾	188	< 1	99	< 1	45	< 1	-	< 1	-	0
Total:	1,433,273		1,276,679		1,327,001		1,793,753		2,006,292	

⁽¹⁾ Southwest began operations at LGB on June 5, 2016.

⁽²⁾ American Airlines assumed US Airways operations at LGB beginning October 1, 2015.

⁽³⁾ Hawaiian was allocated 1 air carrier slot began operations at LGB on June 1, 2018.

⁽⁴⁾ Alaska ceased service at the Airport in January 2015.

⁽⁵⁾ Elite Airways, Xtra Airways, Miami Air, Republic Airlines, and Sierra Pacific operate passenger charter/unscheduled flights at the Airport.

Source: City of Long Beach Airport

Long Beach Airport Historical Landed Weights by Airline (Weight in Thousands of Pounds)

Airline	2014		2015		2016		2017		2018	
	Weight	Share								
JetBlue	1,267,634	73%	1,137,834	74%	1,179,074	72%	1,677,376	72%	1,750,108	71%
Southwest ⁽¹⁾	-	0	-	0	61,876	4	272,450	12	320,318	13
Delta	94,395	5	95,472	6	97,764	6	105,969	5	107,389	4
American ⁽²⁾	148,830	9	124,444	8	126,655	8	91,094	4	90,616	4
Hawaiian ⁽³⁾	-	0	-	0	-	0	-	0	21,476	1
Alaska ⁽⁴⁾	71,541	4	12,710	1	-	0	-	0	-	0
All-Cargo Carriers	159,821	9	168,217	11	169,561	10	166,524	7	161,471	7
All-Charter/Unscheduled ⁽⁵⁾	4,003	< 1	3,307	< 1	1,826	< 1	3,085	0	3,475	< 1
Total:	1,746,224		1,541,984		1,636,756		2,316,498		2,454,854	

⁽¹⁾ Southwest began operations at LGB on June 5, 2016.

⁽²⁾ American Airlines assumed US Airways operations at LGB beginning October 1, 2015.

⁽³⁾ Hawaiian began operations at LGB on June 1, 2017.

⁽⁴⁾ Alaska ceased service at the Airport in January 2015.

⁽⁵⁾ Charter/unscheduled airlines include Elite Airways, United, Miami Air, Sierra Pacific, Allegiant, Xtra Airways and Republic Airlines.

Source: City of Long Beach Airport

**Long Beach Airport
Historical Operating Results**

	<u>2018</u>	<u>2017</u>	<u>2016⁽¹⁾</u>	<u>2015⁽²⁾</u>	<u>2014</u>
Land and Building Rentals	\$ 9,697,638	\$ 10,028,449	\$ 8,613,204	\$ 8,923,169	\$ 8,878,275
Parking Fees	10,044,100	9,153,922	7,758,334	7,719,562	8,679,032
Airport Concessions	8,314,212	6,797,987	5,347,764	4,979,975	5,309,189
Landing, Gate, and Ramp Fees	13,125,237	14,132,351	10,235,877	8,350,126	8,892,216
Other Fees and Charges	5,991,463	6,240,379	4,672,711	3,787,474	4,041,436
Total Operating Revenues	\$ 47,172,651	\$ 46,353,088	\$ 36,627,889	\$ 33,760,306	\$ 35,800,148
Personnel Services	\$ 13,272,974	\$ 12,138,519	\$ 11,381,165	\$ 10,052,234	\$ 9,420,956
Operations and Maintenance	12,271,037	10,169,728	8,341,864	7,407,939	7,400,323
City Services	9,512,577	8,977,661	9,162,077	8,833,872	8,888,528
General and Administration	2,832,095	1,966,219	1,677,848	1,545,696	1,591,689
Amortization Expense	-	-	52,708	79,062	79,062
Depreciation	11,174,493	11,055,188	10,590,305	10,036,794	9,293,460
Total Operating Expenses	\$ 49,063,177	\$ 44,307,315	\$ 41,205,965	\$ 37,955,596	\$ 36,674,018
Operating Income (Loss)	\$ (1,890,526)	\$ 2,045,773	\$ (4,578,076)	\$ (4,195,290)	\$ (873,870)
Interest Income (Expense)	\$ (6,080,710)	\$ (6,365,753)	\$ (6,040,044)	\$ (6,312,649)	\$ (6,461,713)
Passenger Facility Charges	8,102,923	7,329,417	5,579,553	5,236,864	6,022,353
Customer Facility Charges	1,840,035	1,805,766	1,649,310	1,562,530	1,645,270
Operating Security Agreement	324,068	325,038	324,005	167,342	155,672
Federal Subsidy on Build America Bonds	1,127,344	1,123,327	1,122,925	1,118,409	1,118,506
Other Income, Net	(3,406)	(328,375)	(150,796)	(81,080)	(465,847)
Total Non-Operating Revenues (Expenses)	\$ 5,310,253	\$ 3,889,420	\$ 2,484,953	\$ 1,646,479	\$ 2,014,241
Income (Loss) before Capital Grants	\$ 3,419,728	\$ 5,935,193	\$ (2,093,123)	\$ (2,503,874)	\$ 1,140,371
Capital Grants-Federal Aviation Administration	\$ 15,897,601	\$ 2,541,326	\$ 9,909,285	\$ 13,289,614	\$ 10,245,767
Capital Grants - Other Sources	-	-	-	-	-
Operating Transfers - In	-	113,063	-	-	-
Operating Transfers - Out	(171,150)	(30,941)	(389,777)	(484,534)	-
Increase in Net Assets	\$ 19,146,179	\$ 8,558,641	\$ 7,426,386	\$ 10,235,678	\$ 11,386,138
Total Net Assets Beginning of Year	\$ 195,535,366	\$ 186,976,725	\$ 179,946,339	\$ 180,714,661	\$ 169,328,523
Adjustment for GASB 75 Implementation	-	-	(396,000)	-	-
Adjustment for GASB 68 Implementation	-	-	-	(11,004,000)	-
Adjustment for GASB 65 Implementation	-	-	-	-	-
Total Net Assets End of Year	\$ 214,681,544	\$ 195,535,366	\$ 186,976,725	\$ 179,946,339	\$ 180,714,661

⁽¹⁾ FY2016 numbers were adjusted to reflect FY2016 audited financial statements, including the presentation of adjustments for GASB 75 implementation

⁽²⁾ FY2015 numbers were adjusted to reflect FY2015 audited financial statements, including the presentation of adjustments for GASB 68 implementation

Source: City of Long Beach Airport - FY 2018 Unaudited.

Long Beach Airport
Historical Airline Payments Per Enplaned Passenger

	<u>2018</u>	<u>2017</u>	<u>2016</u>	<u>2015</u>	<u>2014</u>
Landing Fees	\$ 9,985,411	\$ 10,811,730	\$ 7,919,806	\$ 6,454,091	\$ 6,822,614
Common Use Fees	5,617,709	5,747,931	4,445,453	3,638,535	3,882,822
Gate Use Fees	2,728,979	2,916,295	2,081,913	1,696,879	1,826,445
Ramp (RON) Fees	410,847	404,326	234,159	199,157	243,157
Terminal Rentals	<u>151,914</u>	<u>182,112</u>	<u>99,571</u>	<u>84,657</u>	<u>77,757</u>
Total Airline Fees	\$ 18,894,860	\$ 20,062,394	\$ 14,782,917	\$ 12,073,319	\$ 12,852,795
Less Fees from Cargo Airlines	<u>642,708</u>	<u>761,781</u>	<u>808,798</u>	<u>684,283</u>	<u>626,155</u>
Passenger Airline Charges	<u>\$ 18,252,152</u>	<u>\$ 19,300,613</u>	<u>\$ 13,974,119</u>	<u>\$ 11,389,036</u>	<u>\$ 12,226,640</u>
Enplanements	2,006,292	1,793,753	1,327,001	1,276,679	1,433,273
Airline Payments per Enplaned Passenger	\$ 9.10	\$ 10.76	\$ 10.53	\$ 8.92	\$ 8.53

Source: City of Long Beach Airport Enterprise Fund Financial Reports - FY 2018 unaudited.

Long Beach Airport
Historical Debt Service Coverage

	<u>2018</u>	<u>2017</u>	<u>2016</u>	<u>2015</u>	<u>2014</u>
OPERATING REVENUES & INTEREST INCOME					
Landing and Ramp Fees	\$ 10,396,258	\$ 11,216,056	\$ 8,153,965	\$ 6,653,247	\$ 7,065,771
Terminal Gate Fees and Rents	8,498,602	8,846,338	6,626,937	5,420,071	5,787,025
Automobile Parking Fees	10,044,100	9,153,922	7,758,334	7,719,562	8,679,032
Other Airport Concessions	8,097,789	6,575,930	5,109,797	4,731,391	5,066,350
FBO Rents and Fuel Fees	4,873,105	4,550,861	5,203,586	5,705,584	5,753,137
Other Land and Building Rentals and Fees	4,632,863	5,597,120	3,897,121	3,530,450	3,448,833
Interest Income	<u>591,374</u>	<u>358,087</u>	<u>237,929</u>	<u>344,611</u>	<u>126,971</u>
Total Revenues	\$ 47,134,091	\$ 46,298,314	\$ 36,987,669	\$ 34,104,918	\$ 35,927,119
OPERATING EXPENSES					
Personnel	\$ 11,741,056	\$ 11,157,298	\$ 10,298,174	\$ 9,807,705	\$ 9,304,035
Materials, Supplies & Services	7,587,774	6,854,833	5,814,056	5,342,783	5,295,920
City Services	11,980,466	11,456,119	11,401,881	11,140,482	11,295,012
Other	-	-	-	-	-
Operating Expenses Funded by SF06 Fund	-	-	-	-	-
Total Operating Expenses	<u>\$ 31,309,296</u>	<u>\$ 29,468,250</u>	<u>\$ 27,514,111</u>	<u>\$ 26,290,970</u>	<u>\$ 25,894,967</u>
NET OPERATING REVENUES	\$ 15,824,795	\$ 16,830,064	\$ 9,473,558	\$ 7,813,947	\$ 10,032,152
Other Pledged Revenues - PFCs	4,480,956	4,483,518	4,481,980	4,483,118	4,482,784
Transfer	<u>2,034,898</u>	<u>2,036,981</u>	<u>2,035,474</u>	<u>2,036,769</u>	<u>2,036,942</u>
NET REVENUES	\$ 22,340,649	\$ 23,349,358	\$ 15,991,013	\$ 14,333,834	\$ 16,551,878
DEBT SERVICE ⁽¹⁾	\$ 8,139,591	\$ 8,147,925	\$ 8,141,897	\$ 8,147,075	\$ 8,147,769
Debt Service Coverage:	2.74	2.87	1.96	1.76	2.03

⁽¹⁾ Net of federal subsidy on the Series 2009 Bonds.

Source: City of Long Beach Airport Enterprise Fund Financial Reports - FY 2018 unaudited.

**Energy Resources Department
(Formerly Gas and Oil Department)**

1. Long Beach Bond Finance Authority Natural Gas Purchase Revenue Bonds, Series 2007A (Fixed Rate), \$635,665,000
2. Long Beach Bond Finance Authority Natural Gas Purchase Revenue Bonds, Series 2007B (LIBOR Index Rate), \$251,695,000

**Energy Resources Department
(Formerly Gas and Oil Department)
Gas Rate Structure
(Per Therm - 100,000 BTU)**

<i>User Type And Monthly Rate Block</i>	<i>2018</i>	<i>2017</i>	<i>2016</i>	<i>2015</i>	<i>2014</i>
Residential:					
<i>Summer:</i>					
0 -15	0.5979	0.5979	0.5368	0.4616	0.4110
Over 15	0.8579	0.8579	0.7968	0.7216	0.6710
<i>Winter:</i>					
0 - 50	0.5979	0.5979	0.5368	0.4616	0.4110
over 50	0.8579	0.8579	0.7968	0.7216	0.6710
Small Non-Residential					
Tier I ⁽¹⁾	0.6399	0.6399	0.5829	0.5168	0.5286
Tier II ⁽²⁾	0.3798	0.3798	0.3340	0.2684	0.2727
Tier III ⁽³⁾	0.2054	0.2054	0.1671	0.1019	0.1011
Large Non-Residential					
Tier I ⁽⁴⁾	0.2049	0.2049	0.1989	0.2020	0.2148
Tier II ⁽⁵⁾	0.1449	0.1449	0.1418	0.1428	0.1503
Tier III ⁽⁶⁾	0.1065	0.1065	0.1052	0.1049	0.1084
Tier IV ⁽⁷⁾	0.079	0.079	0.0791	0.0783	0.0843

⁽¹⁾ All usage not to exceed 100 therms per summer month or 250 therms per winter month (prorated on a daily basis)

⁽²⁾ All usage exceeding Tier I volumes, but not exceeding 4,167 therms monthly (prorated on a daily basis)

⁽³⁾ All usage exceeding 4,167 therms monthly (on a daily basis)

⁽⁴⁾ Zero - 20,833 therms

⁽⁵⁾ 20,834 - 83,333 therms

⁽⁶⁾ 83,334 - 166,667 therms

⁽⁷⁾ Over 166,667 therms

Source: City of Long Beach - Gas and Oil Department - FY 2017 Unaudited.

**Energy Resources Department
(Formerly Gas and Oil Department)
Natural Gas Sales
(In 000's)**

<i>Fiscal Year Ending 9/30</i>	<i>Consumption in Sales Dollars</i>				<i>Consumption in Cubic Feet</i>				<i>Average</i>	<i>Average</i>
	<i>Commercial</i>				<i>Commercial</i>				<i>Rate per</i>	<i>No. of</i>
	<i>Residential</i>	<i>Industrial</i>	<i>Others</i>	<i>Total</i>	<i>Residential</i>	<i>Industrial</i>	<i>Others</i>	<i>Total</i>	<i>MCF</i>	<i>Customers</i>
2018	\$54,983	\$22,075	\$362	\$77,420	4,250,355	3,750,092	723,059	8,723,507	\$8.87	147
2017	55,422	22,363	703	78,488	4,531,653	3,901,771	805,437	9,238,861	8.50	148
2016	47,800	16,825	558	65,183	4,468,449	3,435,511	623,728	8,527,688	7.64	148
2015	45,144	16,777	332	62,253	4,102,449	3,184,284	362,388	7,649,120	8.14	147
2014	51,988	20,236	320	72,544	4,533,355	3,297,991	352,148	8,183,494	8.86	147
2013	49,152	17,676	681	67,509	5,061,596	3,352,528	677,866	9,091,990	7.43	146

Source: City of Long Beach - Energy Resources Department - FY 2018 unaudited.

**Energy Resources Department
(Formerly Gas and Oil Department)
Ten Largest Customers
Fiscal Year Ending September 30, 2018**

<i>Customer</i>	<i>In Cubic Feet</i>	<i>Sales (\$)</i>
THUIMS ⁽¹⁾	691,594,500	\$ 759,177
National Gypsum ⁽¹⁾	662,860,000	476,524
Montenay ⁽²⁾	332,527,500	1,892,048
Long Beach Transit ⁽²⁾	154,630,500	1,042,353
Memorial Hospital ⁽¹⁾	121,150,000	163,856
Veterans Hospital ⁽²⁾	119,910,100	704,809
CSULB ⁽¹⁾	103,953,700	148,579
Clean Energy Fuels ⁽²⁾	77,550,100	490,801
American Textile ⁽¹⁾	77,455,800	143,590
Republic Services ⁽²⁾	69,020,000	448,062
Total	2,410,652,200	\$ 6,269,799

⁽¹⁾ Transmission charges.

⁽²⁾ Natural gas sales.

Source: City of Long Beach - Energy Resources Department - FY 2018 unaudited.

**Energy Resources Department
(Formerly Gas and Oil Department)
Gas Operating Function
Statement of Net Assets
(In \$000's)**

	<i>Fiscal Year Ending 9/30</i>				
	<u>2018</u>	<u>2017</u>	<u>2016</u>	<u>2015⁽¹⁾</u>	<u>2014</u>
ASSETS					
Current Assets:					
Pooled Cash and Cash Equivalents	\$ 35,696	\$ 38,211	\$ 29,730	\$ 31,250	\$ 7,487
Non Pooled Pooled Cash and Cash Equivalents	1	1	-	-	6
Investment -Non-performing	4	5	9	12	-
Receivables:					
Accounts Receivable	7,189	6,560	3,632	3,670	3,885
Due from Other Governments					
Due from Other Funds	5,665	5,460	643	615	1,820
Allowance for Receivables	(288)	(214)	(224)	(449)	(456)
Inventory	2,444	1,840	1,850	2,066	2,486
Prepaid Expenses	57	9	13	119	52
Other Assets-Current					
Total Current Asset	\$ 50,768	\$ 51,872	\$ 35,653	\$ 37,283	\$ 15,280
Noncurrent Assets:					
Non-Pooled Investments (restricted)			-	-	1
Advances to Other Funds			-	-	-
Capital Assets:					
Land and Other Capital Assets not being Depreciated	6,609	4,139	1,602	5,926	7,238
Capital Assets net of Accumulated Depreciation	164,029	162,550	153,302	132,679	124,854
Other Assets-Long-Term					
Total Noncurrent Assets	170,638	166,689	154,904	138,605	132,093
Total Assets	\$ 221,406	\$ 218,561	\$ 190,557	\$ 175,888	\$ 147,373
Deferred Outflow - Net Pension Liability	4,973	10,146	9,373	4,521	459
LIABILITIES:					
Current Liabilities Payable from Current Assets:					
Accounts Payable	\$ 5,041	\$ 3,639	\$ 3,759	\$ 1,872	\$ 4,167
Accrued Wages	491	698	468	358	320
Accrued Interest Payable	148	159	170	71	2
Due to Other Funds	653	626	445	3,045	1,456
Deferred Revenues	1,639	1,690	1,326	1,057	1,467
Customers Deposits	3,026	3,084	3,020	3,005	2,601
Bonds Payable Due Within One Year	-	-	-	-	-
Other Long Term Obligation - Current	2,470	2,897	1,478	1,554	432
Total Current Liabilities	\$ 13,468	\$ 12,793	\$ 10,666	\$ 10,962	\$ 10,445
Noncurrent Liabilities:					
Unamortized Discount/Deferred cost Bonds Payable/Commercial Paper/Capital Lease	13,727	14,806	16,318	17,796	2,850
Net Pension Liability – CalPERS	35,661	40,516	34,093	27,071	25,548
Unamortized Discount/Deferred Cost				-	-
Total Noncurrent Liabilities	49,388	55,322	50,411	44,867	28,398
Total Liabilities	\$ 62,856	\$ 68,115	\$ 61,077	\$ 55,829	\$ 38,843
Deferred Inflows	4,197	2,815	2,265	2,810	-
NET ASSETS:					
Investment in Capital Assets, Net of Related Debt	155,832	150,371	137,107	119,255	128,810
Restricted for:					
Debt Service/Capital Projects		4,482	5,499	873	-
Unrestricted	3,494	2,924	(6,019)	1,642	5,268
Total Net Assets	\$ 159,326	\$ 157,777	\$ 136,587	\$ 121,770	\$ 134,078

⁽¹⁾ Data updated to reflect audited Comprehensive Annual Financial Report figures.
Source: City of Long Beach - Comprehensive Annual Financial Report - FY 2018 unaudited.

**Energy Resources Department
(Formerly Gas and Oil Department)
Gas Operating Function
Comparative Summary of Statements of Revenue, Expense, and Changes in Net Assets
(In \$000's)**

	<i>Fiscal Year Ending 9/30</i>				
	<i>2018</i>	<i>2017</i>	<i>2016⁽¹⁾</i>	<i>2015⁽¹⁾</i>	<i>2014⁽¹⁾</i>
Operating Revenues:					
Charges for Services	\$ 91,786	\$ 96,723	\$ 79,526	\$ 77,098	\$ 81,992
Total Revenues	91,786	96,723	79,526	77,098	81,992
Operating Expenses:					
Personal Services	19,043	19,463	16,322	15,684	15,020
Purchases of Gas and Water	28,796	22,091	16,118	18,258	31,138
Maintenance and Other Operations	14,379	15,821	12,094	12,853	12,346
Bad Debt	-	-	-	-	-
Amortization	-	-	-	-	-
Depreciation	7,497	7,200	6,302	5,651	5,508
Total Operating Expenses	\$ 69,715	\$ 64,575	\$ 50,836	\$ 52,446	\$ 64,012
Operating Income (Loss)	22,071	32,148	28,690	24,652	17,980
Non-Operating Income (Expense):					
Interest Income	542	288	214	158	85
Interest Expense	(389)	(318)	(23)	-	-
Gain (Loss) on Disposition of Capital Assets	(748)	(378)	(1,379)	(241)	(1,189)
Contributed Capital	(72)	-	-	-	-
Operating Grants	-	-	-	-	-
Other Income (Expense)	323	310	243	212	213
Total Non-Operating Income (Expense)	\$ (344)	\$ (98)	\$ (945)	\$ 129	\$ (891)
Income (Loss) Before Contributions and Operating Transfers	21,727	32,050	27,745	24,781	17,089
Transfers Out	(20,178)	(11,075)	(11,475)	(12,000)	(10,223)
Transfers In - Gas Prepay (FD 303)	-	215	-	-	-
Change in Net Assets	1,549	21,190	16,270	12,781	6,866
Net Assets - October 1, as Restated	\$ 157,777	\$ 136,587	\$ 121,770	\$ 134,078	\$ 127,212
Prior Period Adjustment (GASB 68)		-	(1,453)	(25,089)	-
Net Assets - September 30	\$ 159,326	\$ 157,777	\$ 136,587	\$ 121,770	\$ 134,078

⁽¹⁾ Data updated to reflect audited Comprehensive Annual Financial Report figures.
Source: City of Long Beach - Comprehensive Annual Financial Report - FY 2018 Unaudited.

**Energy Resources Department
(Formerly Gas and Oil Department)
Gas Operating Function
Debt Service Coverages
(In \$000's)**

	<i>Fiscal Year Ending 9/30</i>				
	<i>2018</i>	<i>2017</i>	<i>2016</i>	<i>2015</i>	<i>2014</i>
Operating Revenue	\$ 91,786	\$ 96,723	\$ 79,526	\$ 77,098	\$ 81,992
Operating Expenses ⁽¹⁾	62,218	57,375	44,534	46,795	58,504
Net Operating Revenue	29,568	39,348	34,992	30,303	23,488
Non-Operating Income	45	220	(922)	129	(891)
Net Revenue Available for Debt Service	<u>\$ 29,613</u>	<u>\$ 39,568</u>	<u>\$ 34,070</u>	<u>\$ 30,432</u>	<u>\$ 22,597</u>
Debt Service Requirements	\$ 1,427	\$ 1,892	\$ 1,500	\$ 1,500	\$ -
Coverage Ratio	20.8x	20.9x	22.4x	20.3x	34.1x

⁽¹⁾ Operating expenses exclude depreciation; non-operating income excludes interest expense.
Source: City of Long Beach - Comprehensive Annual Financial Report - FY 2018 Unaudited.

Harbor Department*

1. City of Long Beach, California, Harbor Revenue Refunding Short-Term Notes Series 2018A, \$327,050,000
2. City of Long Beach, CA Harbor Revenue Bonds, Series 2017A (AMT), \$101,610,000
3. City of Long Beach, CA Harbor Revenue Bonds, Series 2017B (AMT) (Green Bonds), \$25,985,000
4. City of Long Beach, CA Harbor Revenue Bonds, Series 2017C (Non-AMT), \$42,660,000
5. City of Long Beach, California, Harbor Revenue Bonds, Series 2015C (AMT), \$66,085,000
6. City of Long Beach, California, Harbor Revenue Bonds, Series 2015D (Non-AMT), \$66,865,000
7. City of Long Beach, California, Harbor Revenue Refunding Bonds, Series 2015A (AMT), \$44,845,000
8. City of Long Beach, California, Harbor Revenue Refunding Bonds, Series 2015B (Non-AMT), \$20,130,000
9. City of Long Beach, California, Harbor Revenue Refunding Bonds, Series 2014B (Non-AMT), \$20,570,000
10. City of Long Beach, California, Harbor Revenue Refunding Bonds, Series 2010B, \$158,085,000
11. City of Long Beach, California, Harbor Revenue Bonds, Series 2010A, \$200,835,000
12. City of Long Beach, California, Harbor Revenue Refunding Bonds, Series 1998A, \$206,330,000

* Certain Harbor Department information is also presented in connection with the following issues: City of Long Beach, California, Tidelands Revenue Bonds Series 2017A (Aquarium of the Pacific Project); City of Long Beach, California, Tidelands Revenue Bonds Series 2017B (Queen Mary Improvements); and Long Beach Bond Finance Authority 2012 Refunding Revenue Bonds (Aquarium of the Pacific Project), \$102,580,000.

Harbor Department
Comparative Statements of Revenue, Expenses, and Changes in Net Position
(In \$000's)

	<i>Fiscal Year Ending 9/30</i>				
	<u>2018</u>	<u>2017</u>	<u>2016</u>	<u>2015</u>	<u>2014</u>
PORT OPERATING REVENUES					
Fees, Concessions and Rentals	\$ 398,655	\$ 378,218	\$ 358,038	\$ 353,015	\$ 355,618
Other, Income (Expense) Net	<u>3,023</u>	<u>2,793</u>	<u>2,622</u>	<u>2,435</u>	<u>1,262</u>
Total Port Operating Revenues	\$ 401,678	\$ 381,010	\$ 360,660	\$ 355,450	\$ 356,880
PORT OPERATING EXPENSES					
Operation/Administrative	139,259	142,641	143,873	133,771	108,455
Depreciation/Amortization	<u>147,224</u>	<u>148,445</u>	<u>146,721</u>	<u>137,709</u>	<u>117,966</u>
Total Port Operation Expenses	\$ 286,482	\$ 291,086	\$ 290,595	\$ 271,480	\$ 226,421
Income from Port Operations	115,196	89,924	70,066	83,970	130,459
NON-OPERATING INCOME AND EXPENSE					
Interest Income, Net of Capitalized Interest	\$ 4,808	\$ 1,706	\$ 4,637	\$ 4,036	\$ 3,136
Interest Expense, Net of Capitalized Interest	(14,536)	(5,884)	(13,244)	(878)	(1,204)
Gain (Loss) on Sale of Property	100	42	48	35,979	16
Other, Income (Expense) Net	<u>2,034</u>	<u>6,697</u>	<u>(1,973)</u>	<u>4,371</u>	<u>868</u>
Total Non-Operating Income (Expense)	\$ (7,594)	\$ 2,562	\$ (10,532)	\$ 43,508	\$ 2,816
Income Before Operating Transfers	107,602	92,486	59,533	127,477	133,275
Capital Grants and Contributions and Depreciation	67,511	73,072	128,282	121,008	168,092
Net Transfers	<u>(20,083)</u>	<u>(19,448)</u>	<u>(14,685)</u>	<u>(17,772)</u>	<u>(17,844)</u>
Change in Net Assets (Deficit)	\$ 155,029	\$ 146,110	\$ 173,131	\$ 230,713	\$ 283,523
Total net assets - beginning of year	\$ 3,926,137	\$ 3,780,027	\$ 3,609,818	\$ 3,462,209	\$ 3,178,686
Adjustment for GASB 65 Implementation ⁽¹⁾	\$ -	\$ -	\$ (2,922)	\$ -	\$ -
Adjustment for GASB 68 Implementation ⁽¹⁾	\$ -	\$ -	\$ -	\$ (83,104)	\$ -
Total Net Assets, September 30	\$ 4,081,165	\$ 3,926,137	\$ 3,780,027	\$ 3,609,818	\$ 3,462,209

Note: This table is revised to conform with data reported in City's Comprehensive Annual Financial Report.
Source: City of Long Beach - Harbor Department, FY 2018 Unaudited.

Harbor Department
Comparative Statement of Net Position
(In \$000's)

	<i>Fiscal Year Ending 9/30</i>				
	<u>2018</u>	<u>2017</u>	<u>2016</u>	<u>2015</u>	<u>2014</u>
CURRENT ASSETS					
Pooled Cash and Investments	\$ 423,807	\$ 408,288	\$ 335,454	\$ 320,731	\$ 301,487
Accounts Receivable (Trade)	71,153	67,074	50,607	49,964	52,765
Due from other Governmental Agencies	35,574	54,105	66,290	98,175	63,361
Other Current Assets	<u>12,168</u>	<u>3,320</u>	<u>3,736</u>	<u>2,657</u>	<u>1,726</u>
Total Current Assets	\$ 542,703	\$ 533,617	\$ 456,956	\$ 472,112	\$ 419,970
HARBOR REVENUE BOND FUNDS & OTHER FUNDS RESTRICTED AS TO USE					
Pooled Cash and Cash Equivalents	209,223	215,214	157,675	348,072	309,246
Other Investments	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
Total Restricted Assets	\$ 209,223	\$ 215,214	\$ 157,675	\$ 348,072	\$ 309,246
Non Current Assets:					
Noncurrent receivables:					
Advances to Other Funds	-	-	-	-	-
Other Noncurrent Receivables	1,300	1,300	1,300	1,300	1,300
Capital assets:					
Land and other Capital assets not depreciated	3,082,373	2,771,073	2,643,838	2,390,342	2,360,971
Capital assets net of accumulated depreciation	1,684,453	1,780,917	1,721,538	1,706,178	1,536,323
Other Long-term assets	<u>49,722</u>	<u>52,794</u>	<u>55,346</u>	<u>56,828</u>	<u>54,091</u>
Total Non Current Assets	\$ 4,817,848	\$ 4,606,084	\$ 4,422,022	\$ 4,154,648	\$ 3,952,684
Total Assets	\$ 5,569,774	\$ 5,354,915	\$ 5,036,653	\$ 4,974,831	\$ 4,681,901
Deferred outflows on debt refunding	\$ 21,169	\$ 42,089	\$ 41,884	\$ 22,268	\$ 9,593
Total assets and deferred outflows	\$ 5,590,944	\$ 5,397,004	\$ 5,078,537	\$ 4,997,100	\$ 4,691,494

Note: This table is revised to conform with data reported in City's Comprehensive Annual Financial Report.
Source: City of Long Beach - Harbor Department, FY 2018 Unaudited.

Harbor Department
Comparative Statement of Net Position (continued)
(In \$000's)

	<i>Fiscal Year Ending 9/30</i>				
	<i>2018</i>	<i>2017</i>	<i>2016</i>	<i>2015</i>	<i>2014</i>
CURRENT LIABILITIES PAYABLE FROM CURRENT ASSETS					
Accounts Payable and Accrued Expenses	\$ 81,491	\$ 69,239	\$ 75,113	\$ 69,478	\$ 86,239
Deferred Revenues	8,037	7,935	7,116	10,667	11,668
Due to other funds	21,755	19,267	20,143	21,869	17,969
Liability claims	5,000	5,000	8,600	-	6,961
Current Liabilities Payable from Current Assets	\$ 116,283	\$ 101,440	\$ 110,971	\$ 102,014	\$ 122,837
CURRENT LIABILITIES PAYABLE FROM RESTRICTED ASSETS					
Accrued interest - bonds	11,647	17,375	16,055	15,244	14,965
Current portion of bonds indebtedness	45,965	47,190	44,905	45,360	51,805
Total Liabilities from Restricted Assets	\$ 57,612	\$ 64,565	\$ 60,960	\$ 60,604	\$ 66,770
Long Term Bonds Payable (nets of unamortized Discount/Deferred Cost)	985,504	1,033,751	899,009	963,542	896,262
Net OPEB Liability	3,467	3,250	3,103	-	-
Net Pension Liability	110,982	129,893	124,170	90,470	-
Unearned Revenues	1,713	2,751	3,685	28,208	20,453
Environmental Remediation Liability	3,800	3,800	-	-	-
Other Long Term Liability	208,689	118,332	84,950	127,629	120,000
Total Noncurrent Liabilities	\$ 1,314,155	\$ 1,291,776	\$ 1,114,917	\$ 1,209,848	\$ 1,036,715
Total Liabilities	\$ 1,488,050	\$ 1,457,781	\$ 1,286,849	\$ 1,372,466	\$ 1,226,322
Deferred inflows	\$ 21,728	\$ 13,086	\$ 11,661	\$ 14,816	\$ 2,963
Total liabilities and deferred inflows	\$ 1,509,778	\$ 1,470,867	\$ 1,298,510	\$ 1,387,282	\$ 1,229,285
Total Net Position ⁽¹⁾	\$ 4,081,165	\$ 3,926,137	\$ 3,780,027	\$ 3,609,818	\$ 3,462,209

Note: This table is revised to conform with data reported in City's Comprehensive Annual Financial Report.

⁽¹⁾ Presentation in accordance with GASB 34.

Source: City of Long Beach – Harbor Department, FY 2018 Unaudited.

Harbor Department
Senior Debt Service Coverage
(In \$000's)

<i>Fiscal Year Ending 9/30</i>	<i>Revenues ⁽¹⁾</i>	<i>Maintenance Costs ⁽²⁾</i>	<i>Net Revenues ⁽³⁾</i>	<i>Senior Debt Service ⁽⁴⁾</i>	<i>Senior Debt Service Coverage</i>	
					<i>Gross</i>	<i>Net</i>
2018	\$406,486	\$139,259	\$267,227	\$79,568	5.1	3.4
2017	382,716	142,641	240,075	72,076	5.3	3.3
2016	365,298	143,873	221,425	73,026	5.0	3.0
2015	359,486	133,771	225,714	78,363	4.6	2.9
2014	360,016	108,455	251,561	79,738	4.5	3.2

⁽¹⁾ Includes total port revenue and interest income as shown on the comparative summary of statements of revenue, expenses and changes in net position.

⁽²⁾ Includes all port operating expenses excluding depreciation and amortization as shown on the comparative summary of statements of revenue, expense, and changes in net position.

⁽³⁾ Revenues less maintenance costs.

⁽⁴⁾ Includes debt service on all Senior Obligations (except 2014C & 2018A short-term notes where the interest payments are fully reserved).

Source: City of Long Beach – Harbor Department, FY 2018 Unaudited.

**Harbor Department
Sources of Operating Revenues
(In \$000's)**

	<i>Fiscal Year Ending 9/30</i>				
	<u>2018</u>	<u>2017</u>	<u>2016</u>	<u>2015</u>	<u>2014</u>
Operating Revenues					
Berths & Special Facilities					
Wharfage	\$ 358,675	\$ 342,022	\$ 322,522	\$ 312,074	\$ 307,561
Dockage	7,219	7,134	8,089	10,773	10,877
Bunkers	1,054	1,269	1,412	1,048	703
Special Facilities Rentals	16,418	13,289	15,612	16,247	13,758
Crane Rentals	-	-	-	2,372	12,789
Other	1,010	771	536	620	570
Total Berths & Special Facilities	\$ 384,376	\$ 364,486	\$ 348,171	\$ 343,134	\$ 346,258
Rental Properties	14,279	13,732	9,958	9,881	9,360
Utilities/Miscellaneous	3,023	2,793	2,531	2,435	1,262
Total Operating Revenues	\$ 401,678	\$ 381,010	\$ 360,660	\$ 355,450	\$ 356,880

Source: City of Long Beach – Harbor Department, FY 2018 Unaudited.

**Harbor Department
Wharfage Revenues
(In \$000's)**

	<i>Fiscal Year Ending 9/30</i>				
	<u>2018</u>	<u>2017</u>	<u>2016</u>	<u>2015</u>	<u>2014</u>
Total Metric Revenue Tons (Municipal Only)	180,593	168,100	161,322	164,274	165,526
Wharfage Revenue	\$ 358,675	\$ 342,022	\$ 322,522	\$ 312,074	\$ 307,561
Average Wharfage Revenues Per Ton	\$ 1.99	\$ 2.03	\$ 2.00	\$ 1.90	\$ 1.86

Source: City of Long Beach – Harbor Department, FY 2018 Unaudited.

**Harbor Department
Revenue Tonnage Summary
(Metric Revenue Tons)⁽¹⁾**

	<i>Fiscal Year Ending 9/30</i>				
	<u>2018</u>	<u>2017</u>	<u>2016</u>	<u>2015</u>	<u>2014</u>
MUNICIPAL BERTHS					
<i>Inbound Cargo</i>					
Foreign	108,811	99,468	93,928	98,464,085	104,245,298
Coastwise/InterCoastal	30,787	30,977	29,009	26,060,757	17,998,456
Total Inbound Cargo	139,598	130,445	122,937	124,524,842	122,243,754
<i>Outbound Cargo</i>					
Foreign	36,218	32,923	32,737	33,592,125	37,066,641
Coastwise/InterCoastal	3,516	3,258	3,996	4,843,410	5,348,303
Bunkers	1,261	1,474	1,653	1,313,215	866,945
Total Outbound Cargo	40,995	37,655	38,386	39,748,750	43,281,889
Total Municipal Cargo	180,593	168,100	161,323	164,273,592	165,525,643
PRIVATE BERTHS					
Inbound	N/A	N/A	N/A	N/A	N/A
Outbound	N/A	N/A	N/A	N/A	N/A
Total Private Cargo	N/A	N/A	N/A	N/A	N/A
Grand Total	180,593	168,100	161,323	164,274	1,031,604
Inbound/Outbound Summary					
Total Inbound Cargo	139,598	130,445	122,937	124,524,842	122,243,754
Total Outbound Cargo	40,995	37,655	38,386	39,748,750	43,281,889
Container Count in TEUs ⁽²⁾	8,001	7,231	6,946	7,087,699	6,817,590

⁽¹⁾ Metric Revenue Tons is Equal to either 1,000 kilograms or one cubic meter.

⁽²⁾ A TEU represents a twenty-foot equivalent unit.

Source: City of Long Beach – Harbor Department, FY 2018 Unaudited.

**Harbor Department
Cargo Summary
(In \$000's)**

	<i>Fiscal Year Ending 9/30</i>											
	<u>2018</u>				<u>2017</u>				<u>2016</u>			
	<i>Metric Revenue Tons</i>	<i>% of Total Tons</i>	<i>Revenue ⁽¹⁾</i>	<i>% of Shipping Revenue</i>	<i>Metric Revenue Tons</i>	<i>% of Total Tons</i>	<i>Revenue ⁽¹⁾</i>	<i>% of Shipping Revenue</i>	<i>Metric Revenue Tons</i>	<i>% of Total Tons</i>	<i>Revenue ⁽¹⁾</i>	<i>% of Shipping Revenue</i>
Containerized	138,914	77%	\$ 310,885	81%	127,115	76%	\$ 291,421	79%	123,014	76%	\$ 274,732	79%
Dry Bulk	8,136	5	36,657	10	7,170	4	34,719	8	6,028	4	29,389	8
General Cargo	1,372	1	19,923	5	1,187	1	20,221	8	1,107	1	26,874	8
Petroleum/Liquid Bulk	32,170	18	16,912	4	32,628	19	18,126	5	31,174	19	17,177	5
Totals	180,593	100%	\$ 384,376	100%	168,100	100%	\$ 364,486	100%	161,323	100%	\$ 348,172	100%

⁽¹⁾ Revenue includes operating revenues from wharfage, dockage, storage/demurrage, bunkers, special facilities rentals, crane rentals, and other.

Source: City of Long Beach – Harbor Department, FY 2018 Unaudited.

**Harbor Department
Debt Service Requirements**

The following table sets forth the debt service requirements of the Harbor Revenue Bonds.

Bond Year⁽²⁾ Ending May 15	Total Debt Service Requirements for Existing Senior Bonds⁽¹⁾
2019	\$ 88,515,824
2020	82,300,000
2021	401,144,100 ⁽³⁾
2022	65,917,350
2023	65,109,100
2024	65,113,600
2025	65,065,500
2026	46,613,000
2027	41,439,750
2028	25,381,500
2029	26,584,250
2030	25,386,750
2031	25,379,500
2032	25,379,250
2033	21,879,000
2034	21,877,000
2035	21,880,250
2036	21,882,000
2037	21,885,750
2038	21,879,750
2039	21,882,750
2040	21,882,500
2041	20,522,250
2042	20,523,000
2043	11,863,000
2044	11,863,250
2045	11,860,250
2046	11,863,000
2047	11,865,000
Totals	\$ 1,324,738,224

⁽¹⁾ Numbers may not sum due to rounding.

⁽²⁾ Bond Year means the period beginning on May 16 of each year and ending on the next succeeding May 15.

⁽³⁾ Includes the principal of the \$327,050,000 of Series 2018A Senior Notes due on December 15, 2020, which the Department expects to pay with proceeds of the Subordinate TIFIA Loan.

Source: City of Long Beach - Department of Financial Management

Long Beach Marine Bureau

1. City of Long Beach (Los Angeles County, California) Marina Revenue Bonds, Series 2015 (Alamitos Bay Marina), \$114,015,000

**Long Beach Marine Bureau
Slip Sizes and Current Rates
As of October 1, 2018**

<i>Slip Size in Feet</i>	<i>Monthly Rate (\$)</i>
15	\$151.04
20	200.41
25	306.11
30	450.70
35	574.49
40	712.25
45	838.86
50	959.88
55	1,132.38
60	1,235.36
65	1,386.99
70	1,538.05
75	1,704.18
80	1,869.69
85	2,049.11
90	2,228.58
95	2,421.89
100	2,615.26
105	2,822.53
110	3,029.88
115	3,251.05
120	3,472.21

**Long Beach Marine Bureau
Total Slip Revenue**

Fiscal Year Ending 9/30

	<u>2018</u>	<u>2017</u>	<u>2016</u>	<u>2015</u>	<u>2014</u>
Marina					
Alamitos Bay	\$ 10,289,554	\$ 8,617,696	\$ 7,735,726	\$ 7,695,523	\$ 8,569,541
Shoreline	10,881,808	10,916,306	10,105,304	10,050,871	10,283,591
Rainbow	705,609	703,203	605,188	586,755	575,704
Total	\$ 21,876,971	\$ 20,237,205	\$ 18,446,219	\$ 18,333,149	\$ 19,428,836

**Long Beach Marine Bureau
Total Rental and Concession Revenue**

Fiscal Year Ending 9/30

	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>
Source					
Rentals/Concessions	\$ 1,401,821	\$ 1,381,037	\$ 1,593,770	\$ 1,455,531	\$ 1,736,763
Miscellaneous Revenue	348,357	456,351	435,744	523,876	524,022
Total	\$ 1,750,178	\$ 1,837,388	\$ 2,029,514	\$ 1,979,407	\$ 2,260,785

**Long Beach Marine Bureau
Historical Occupancy Rate by Slip Size
Fiscal Years 2014-2018**

Slip Size (in feet)

<u>Year</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>	<u>50</u>	<u>55+</u>	<u>Total</u>
2018	96%	99%	96%	89%	85%	92%	99%	96%	94%
2017	83	77	92	89	87	89	94	97	88
2016	100	100	97	97	88	93	93	98	96
2015	100	100	95	95	95	97	96	99	97
2014	100	90	87	94	95	89	100	99	94

**Long Beach Marine Bureau
Length of Waiting List by Slip Size
Fiscal Years 2014-2018**

Slip Size (in feet)

<u>Year</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>	<u>50</u>	<u>55+</u>	<u>Total</u>
2018	1	35	33	6	5	6	12	32	87	217
2017	3	58	51	4	6	5	5	12	37	181
2016	10	65	65	14	18	18	6	12	30	238
2015		52	40	74	46	36	8	9	26	291
2014		35	4	5	7	2	1	5	11	70

Long Beach Marine Bureau
Revenues, Expenses, Debt Service and Debt Service Coverage

	<i>2017</i>	<i>2018</i>
GROSS REVENUES		
Slip Revenue		
Alamitos Bay Marina	\$ 8,617,696	\$ 10,289,554
Shoreline Marina	10,916,306	10,881,808
Rainbow Marina	703,203	705,609
Total Slip Revenue	20,237,206	21,876,972
Other Revenue	1,979,350	2,186,867
Total Gross Revenue	\$ 22,216,556	\$ 24,063,839
EXPENSES		
Maintenance	\$ 4,158,889	\$ 4,721,518
Parks & Recreation Operations	5,135,546	4,267,309
Security	2,366,018	2,096,397
Marine Safety/Lifeguards	1,832,125	2,667,128
Other	730,531	703,722
Total Expenses	\$ 14,223,109	\$ 14,456,073
 Net Revenues	 \$ 7,993,447	 \$ 9,607,766
 Debt Service	 \$ 5,633,963	 \$ 6,883,963
Debt Service Coverage	1.42	1.40
Net Revenue After Debt Service:	\$ 2,359,484	\$ 2,723,803

Source: Long Beach Marine Bureau

Water Department

1. City of Long Beach, California Second Lien Water Revenue Bonds Series 2012A, \$9,850,000
2. City of Long Beach, California Water Revenue Refunding Bonds, Series 2010A, \$22,740,000

Water Department Water Production

The following table indicates the total water from local production and purchases of imported water (in acre-feet) from the Metropolitan Water District of Southern California.

<i>Fiscal Year Ending 9/30</i>	<i>Total Local Production⁽¹⁾</i>	<i>MWD Retail Purchases⁽²⁾</i>	<i>Total Potable Water</i>	<i>Total Reclaimed Water</i>	<i>Total Available</i>
2018	31,159	22,165	53,324	5,516	58,840
2017	31,966	19,292	51,258	7,070	58,328
2016	32,297	19,535	51,832	7,582	59,414
2015	22,744	30,285	53,029	5,170	58,199
2014	29,934	28,749	58,683	5,824	64,507

Note: Prior years are restated

⁽¹⁾ Includes water pumped and purchases from City of Lakewood Inter-tie

⁽²⁾ Excludes water purchases for WRD Alamitos Seawater Intrusion Barrier project

Source: City of Long Beach - Water Department

Water Department Sales of Water

	<i>Fiscal Year Ending 9/30</i>				
	<i>2018</i>	<i>2017</i>	<i>2016</i>	<i>2015</i>	<i>2014</i>
Volume (Millions/Gallons) ⁽¹⁾	20,477	20,325	21,086	20,931	23,145
REVENUES (\$000's)					
Water Sales ⁽²⁾	\$ 64,490	\$ 64,721	\$ 63,658	\$ 61,995	\$ 67,818
Service Charges	27,325	24,599	23,121	22,061	21,548
Other	<u>7,358</u>	<u>8,063</u>	<u>10,871</u>	<u>15,420</u>	<u>10,821</u>
Total Operating Revenue	\$ 99,173	\$ 97,383	\$ 97,650	\$ 99,476	\$ 100,187

Note: Prior years are restated due to reclassification of accounts

⁽¹⁾ Includes Metered Water sales and Reclaimed Water Sales

⁽²⁾ Water Sales is net of Provision for doubtful accounts expense

Source: City of Long Beach - Water Department

**Water Department
Revenues and Expenses
(In \$000's)**

	<i>Fiscal Year Ending 9/30</i>				
	<i>2018⁽¹⁾</i>	<i>2017</i>	<i>2016</i>	<i>2015</i>	<i>2014</i>
OPERATING REVENUE					
Metered Water Sales ⁽²⁾	\$ 60,886	\$ 61,383	\$ 59,640	\$ 58,895	\$ 64,420
Reclaimed Water Sales	3,604	3,338	4,018	3,100	3,398
Service Charges	27,325	24,599	23,121	22,061	21,548
Other	7,358	8,063	10,871	15,420	10,821
Total Operating Revenue	\$ 99,173	\$ 97,383	\$ 97,650	\$ 99,476	\$ 100,187
EXPENSES ⁽³⁾					
Purchased Water	29,927	25,375	28,744	42,178	34,378
Operations & Maintenance ⁽⁴⁾	52,840	52,646	51,315	49,217	47,388
Total Operating Expenses	\$ 82,767	\$ 78,021	\$ 80,059	\$ 91,395	\$ 81,766
Net Revenues	\$ 16,406	\$ 19,362	\$ 17,591	\$ 8,081	\$ 18,421
Debt Service - Senior	2,990	2,988	2,990	2,994	2,986
Subordinate Net Revenues	\$ 13,416	\$ 16,374	\$ 14,145	\$ 5,086	\$ 15,435
Debt Service – Subordinate	905	904	904	906	901
Coverage					
Senior	5.49x	6.48x	5.73x	2.70x	6.17x
Subordinate	14.82x	18.11x	15.65x	5.61x	17.13x
Customer Base	90	90	90	90	90

Note: Prior years are restated due to reclassification of accounts

(1) Data based on preliminary unaudited financial statements

(2) Metered Water Sales is net of Provision for doubtful accounts expense

(3) Expenses exclude depreciation, amortization and other non-cash items

(4) Operations & Maintenance includes annual operating costs, but excludes depreciation, amortization and other non-cash activity

Source: City of Long Beach - Water Department

Sewer Enterprise

1. City of Long Beach, California Senior Sewer Revenue Refunding Bonds, Series 2016A, \$9,830,000

**Sewer Enterprise
Connections**

<i>Fiscal Year</i>	<i>Residential</i>	<i>Other*</i>	<i>Total</i>
2014	78,903	6,374	85,277
2015	79,362	6,476	85,838
2016	79,058	6,805	85,863
2017	79,169	6,340	85,508
2018	80,277	6,327	86,604

* Commercial and Industrial
Source: City of Long Beach - Water Department.

**Sewer Enterprise
Largest Customers
(In \$000's)**

<i>Customer Business Category</i>	<i>Revenues</i>	<i>Percent of Total⁽²⁾</i>
Government ⁽¹⁾	\$447	3.30%
Education	264	0.92
Education	119	1.25
Healthcare	73	0.69
Education	65	0.25
Healthcare	34	0.26
Manufacturing	31	0.27
Manufacturing	27	0.36
Manufacturing	26	0.09
Government	25	0.11
Top Ten Total	1,111	7.50
Total All Other Users	16,265	92.50
Total Sewer Enterprise	17,376	100.00

⁽¹⁾ Includes City departments.
⁽²⁾ Based on Total Consumption in Acre feet (AF)
Source: City of Long Beach - Water Department.

**Sewer Enterprise
Volumetric Charges**

<i>Effective Date</i>	<i>Volumetric Charges⁽¹⁾</i>
10/1/2014	0.361
10/1/2015	0.375
10/1/2016	0.390
7/1/2017 ⁽²⁾	0.390
10/1/2017	0.398
1/1/2018	0.357

⁽¹⁾ Volumetric rate charges one (1) billing unit equals 100 cubic feet.

⁽²⁾ Restructured sewer rates effective July 1, 2017

Source: City of Long Beach – Water Department

**Sewer Enterprise
Daily Service Charges**

<i>Effective Date</i>	<i>3/4”⁽¹⁾</i>	<i>1”</i>	<i>1-1/2”</i>	<i>2”</i>	<i>3”</i>	<i>4”</i>	<i>6”</i>	<i>8”</i>	<i>10”</i>	<i>12”</i>	<i>16”</i>
10/1/14	0.260	0.412	0.750	1.088	2.251	3.565	6.568	10.317	16.878	20.632	33.760
10/1/15	0.270	0.428	0.780	1.132	2.341	3.708	6.831	10.730	17.553	21.457	35.110
10/1/16	0.281	0.445	0.811	1.177	2.435	3.856	7.104	11.159	18.255	22.315	36.514
7/1/17 ⁽²⁾	0.246	0.365	0.957	1.649	3.842	5.558	15.482	16.412	25.405	32.042	47.125
10/1/17	0.251	0.372	0.976	1.682	3.919	5.669	15.792	16.740	25.913	32.683	48.068
1/1/18	0.225	0.333	0.874	1.507	3.511	5.079	14.150	14.999	23.218	29.284	43.069

⁽¹⁾ Normal residential size.

⁽²⁾ Restructured sewer rates effective July 1, 2017.

Source: City of Long Beach – Water Department

**Sewer Enterprise
Operating Revenues and Expenses
(In \$000's)**

	<i>Fiscal Year Ending 9/30</i>				
	<i>2018⁽¹⁾</i>	<i>2017</i>	<i>2016</i>	<i>2015</i>	<i>2014</i>
OPERATING REVENUES					
Volumetric Charges ⁽²⁾	\$ 6,005	\$ 6,233	\$ 6,282	\$ 6,241	\$ 6,431
Service Charges	11,372	11,870	11,427	10,916	10,637
Maintenance Services	86	86	86	86	86
Other	<u>1,409</u>	<u>1,760</u>	<u>559</u>	<u>660</u>	<u>799</u>
Total Operating Revenue	\$ 18,872	\$ 19,949	\$ 18,355	\$ 17,903	\$17,953
Income/Expenses⁽³⁾					
Personal Services	4,206	3,520	3,916	4,021	4,043
Operations & Maintenance	<u>7,778</u>	<u>9,225</u>	<u>9,680</u>	<u>9,993</u>	<u>9,475</u>
Total Operating Expenses	\$ 11,984	\$ 12,745	\$ 13,596	\$ 14,014	\$ 13,518
Net Operating Income	\$ 6,888	\$ 7,204	\$ 4,759	\$ 3,889	\$ 4,435
Net Non-Operating Income/(Expense)	\$ 634	\$ (969)	\$ 14	\$ (208)	\$ (434)
Amount Available for Debt Service⁽⁴⁾	\$ 7,522	\$ 6,235	\$ 4,773	\$ 3,681	\$ 4,001
Debt Service	727	725	828	79	76
Coverage	10.35x	8.60x	5.76x	46.59x	52.64x

(1) Data based on preliminary unaudited financial statements.

(2) Volumetric Charges are reflected as "Metered Water Sales" in the Department's audited financial statements. Amounts are net of provision for doubtful accounts expense.

(3) Expenses exclude depreciation, amortization, income(loss) on disposition of property, interest expense, and other non-cash items.

(4) Prior to FY 2015, Debt service includes interest payments only previously paid on Subordinate Obligations pursuant to the Credit Agreement. In FY 2015, Debt service also includes the following year's interest payments due each November 1st and May 1st and principal payments due on May 1st.

Source: City of Long Beach – Water Department

Summary of the City and Related Agencies Outstanding Debt as of September 30, 2018

Revenue Bonds

<i>Bond Issue</i>	<i>Final Maturity</i>	<i>Original Par Amount (\$)</i>	<i>Amount Outstanding (\$)</i>
City of Long Beach, Harbor Revenue Refunding Short-Term Notes Series 2018A	2020	\$ 327,050,000	\$ 327,050,000
City of Long Beach, Tidelands Revenue Bonds Series 2017A (Aquarium of the Pacific Project) ⁽¹⁾	2027	10,190,000	10,190,000
City of Long Beach, Tidelands Revenue Bonds Series 2017B (Queen Mary Improvements)	2027	17,705,000	17,705,000
City of Long Beach, Harbor Revenue Bonds Series 2017A (AMT)	2040	101,610,000	101,610,000
City of Long Beach, Harbor Revenue Bonds Series 2017B (AMT)(Green Bonds)	2043	25,985,000	25,985,000
Harbor Revenue Bonds Series 2017C (Non-AMT)	2047	42,660,000	42,660,000
City of Long Beach, Senior Sewer Revenue Refunding Bonds, Series 2016A ⁽²⁾	2036	9,830,000	9,040,000
City of Long Beach, Marina Revenue Bonds, Series 2015 (Alamitos Marina Project) ⁽³⁾	2045	114,015,000	112,765,000
City of Long Beach, Harbor Revenue Refunding Bonds, Series 2015A(AMT) and B (Non-AMT) ⁽⁴⁾	2025	64,975,000	53,245,000
City of Long Beach, Harbor Revenue Refunding Bonds, Series 2015C (Non-AMT) and D (AMT)	2042	132,950,000	132,950,000
City of Long Beach, Harbor Revenue Refunding Bonds, Series 2014 B (Non-AMT) ⁽⁵⁾	2027	20,570,000	11,700,000
LBBFA, Revenue Refunding Bonds, Series 2012 (Aquarium of the Pacific Project) ⁽⁶⁾	2030	102,580,000	77,35,0000
City of Long Beach, Second Lien Water Revenue Bonds, Series 2012A ⁽⁷⁾	2027	9,850,000	6,660,000
City of Long Beach, Harbor Revenue Bonds, Series 2010A and B (Refunding) ⁽⁸⁾	2027	358,920,000	236,040,000
City of Long Beach, Water Revenue Refunding Bonds, Series 2010A ⁽⁹⁾	2024	22,740,000	15,435,000
City of Long Beach, Senior Airport Revenue Bonds, Series 2010A and B ⁽¹⁰⁾	2040	61,400,000	53,740,000
City of Long Beach, Senior Airport Revenue Bonds, Series 2009A and C ⁽¹¹⁾	2039	54,685,000	51,110,000
LBBFA, Natural Gas Purchase Revenue Bonds, Series 2007A and B ⁽¹²⁾	2037	887,360,000	582,740,000
City of Long Beach, Harbor Revenue Bonds, Series 1998A	2019	206,330,000	16,600,000

⁽¹⁾ Issued in November 2017.

⁽²⁾ Refunded the Long Beach Water Department's Sewer Commercial Paper.

⁽³⁾ Prepaid CA Boating and Waterway (DBW/DBAW) loans totaling \$61.4 million.

⁽⁴⁾ Refunded the Harbor Revenue Refunding Bonds, Series 2005A (AMT) and B (Non-AMT).

⁽⁵⁾ Defeased 2014A in FY2017/Refunded Harbor Revenue Bonds, Series 2002B, and Revenue Refunding Bonds, Series 2004A and B.

⁽⁶⁾ Refunded LBBFA Lease Revenue Refunding Bonds, Series 2001 (Aquarium of the Pacific).

⁽⁷⁾ Refunded the Long Beach Water Department's Subordinate Commercial Paper, Series A.

⁽⁸⁾ Partially refunded the Harbor Revenue Bonds, Series 2004A and 2005A.

⁽⁹⁾ Refunded the Water Revenue Refunding Bonds, Series 1997A.

⁽¹⁰⁾ Refunded the Long Beach Airport's Commercial Paper.

⁽¹¹⁾ Build America Bonds (BABs) include a Federal Direct subsidy equal to 35% of the interest payments.

⁽¹²⁾ Redeemed by 2009 bond tenders; 2007A \$48.3 million and 2007B \$182.7 million.

Source: City of Long Beach - Comprehensive Annual Financial Report.

**Summary of the City and Related Agencies Outstanding Debt
(Continued)**

Lease Revenue Bonds

<i>Bond Issue</i>	<i>Final Maturity</i>	<i>Original Par Amount (\$)</i>	<i>Amount Outstanding (\$)</i>
Finance Authority of Long Beach, Lease Revenue Bonds, Series 2016A (Courthouse Demolition Project)	2026	\$ 13,150,000	\$ 10,955,000
Finance Authority of Long Beach, Lease Revenue Bonds, Series 2016B (Rainbow Harbor Refinancing Project) ⁽¹⁾	2023	19,115,000	13,840,000
Long Beach Bond Finance Authority, Lease Revenue Refunding Bonds, Series 2012A (Taxable) ⁽²⁾	2031	54,630,000	52,680,000
Long Beach Bond Finance Authority, Lease Revenue Bonds, Series 2006B (Parks/Open Space Financing Project)	2031	24,320,000	16,370,000
2010 Lease Agreement between Banc of America Public Capital Corporation and the City of Long Beach ⁽⁴⁾	2027	31,450,000	19,365,000

⁽¹⁾ Refunded the Lease Revenue Refunding Bonds, Series 2006 (Rainbow Harbor Refinancing).

⁽²⁾ Refunded the Lease Revenue Refunding Bonds, Series 1998A and B (Temple Willow), Lease Revenue Refunding Bonds, Series 2001 (Plaza Parking Facilities), Lease Revenue Bonds, Series 2002 (Public Safety Facilities), Lease Revenue Refunding Bonds, Series 2005A (Temple Willow), Lease Revenue Refunding Bonds, Series 2003 (Skylinks Golf Course Project), and the Taxable Variable Rate Demand Revenue Bonds, Series 2004A (Long Beach Towne Center).

⁽³⁾ Refunded the SERRF, Lease Revenue Bonds, Series 2003A and B.

⁽⁴⁾ Refunded the Lease Revenue Refunding Bonds, Series 1997 (Civic Center Project).

Source: City of Long Beach - Comprehensive Annual Financial Report.

**Summary of the City and Related Agencies Outstanding Debt
(Continued)**

Tax Allocation Revenue Bonds

<i>Bond Issue⁽⁴⁾</i>	<i>Final Maturity</i>	<i>Original Par Amount (\$)</i>	<i>Amount Outstanding (\$)</i>
Redevelopment Agency of the City of Long Beach, Recovery Zone Economic Development Bonds, Series 2010A and B, Taxable (North Long Beach) ⁽¹⁾	2040	\$ 32,980,000	\$ 27,840,000
LBBFA, Tax Allocation Revenue Bonds, Series 2005C (Downtown and North Long Beach Redevelopment Project Areas) ⁽²⁾	2031	35,045,000	24,295,000
LBBFA, Tax Allocation Revenue Bonds, Series 2002B ⁽³⁾	2024	47,780,000	34,670,000

⁽¹⁾ 2010A Build America Bonds (BABs) include a Federal Direct subsidy equal to 35% of the interest payments. The 2010B (RZEDB) include a Federal Direct subsidy equal to 45% of the interest payments.

⁽²⁾ The 2005C Tax Allocation Revenue Bonds partially refunded the 2002 Tax Allocation Revenue Bonds. The 2005C Bonds were partially refunded by the County of Los Angeles Redevelopment Refunding Authority, Tax Allocation Revenue Refunding Bonds, Series 2015A and B.

⁽³⁾ The 2002A Tax Allocation Revenue Bonds partially refunded the 1992 Tax Allocation Revenue Bonds (West Long Beach and Downtown Project). The 2002B Bonds were partially refunded by the County of Los Angeles Redevelopment Refunding Authority, Tax Allocation Revenue Refunding Bonds, Series 2015A and B.

Pension Obligation Bonds

<i>Issue Name</i>	<i>Final Maturity</i>	<i>Original Par Amount (\$)</i>	<i>Amount Outstanding (\$)</i>
Series 2002A and B Pension Obligation Refunding Bonds, Taxable ⁽¹⁾	2021	\$ 76,550,000	\$ 19,315,000

⁽¹⁾ Partially refunded the Series 1995 Pension Obligation Refunding Bonds. The 2002A and B Bonds were remarketed on December 30, 2005 to a fixed rate from auction rate.

Source: City of Long Beach - Comprehensive Annual Financial Report.

**Pension Obligation Bonds, Series 2002A and B
Annual Debt Service**

<i>Period Ending (September 1)</i>	<i>Principal</i>	<i>Interest</i>	<i>Total Debt Service</i>
2019	\$ 6,115,000	\$ 1,000,517	\$ 7,115,517
2020	6,435,000	683,760	7,118,760
2021	<u>6,765,000</u>	<u>350,427</u>	<u>7,115,427</u>
	\$ 19,315,000	\$ 2,034,704	\$ 21,349,704

Source: City of Long Beach - Department of Financial Management.