

CONTINUING DISCLOSURE ANNUAL REPORT

FISCAL YEAR ENDING SEPTEMBER 30, 2017



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, 2017**

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”):

- 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 2014A (AMT) and B (Non-AMT)
- Harbor Revenue Short-term Notes Series 2014C
- Long Beach Bond Finance Authority, Lease Revenue Refunding Bonds Series 2012A and B (Taxable)
- 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 B (Refunding), 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
- Southeast Resource Recovery Facility Authority Lease Revenue Bonds Series 2003A (Non-AMT) and B (AMT)
- 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, 2017, are filed on EMMA separately and concurrently with the filing of this Report. Information contained in this Report has been excerpted from the audited financial statements and/or provided by the responsible department of the City. 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
Fiscal Years 2013-2017
(In \$000's)**

	<i>Fiscal Year Ending 9/30</i>				
	<u>2017</u>	<u>2016</u>	<u>2015</u>	<u>2014</u>	<u>2013</u>
REVENUES					
Property Taxes	\$ 155,204	\$ 151,167	\$ 151,111	\$ 141,898	\$ 169,590
Other Taxes ⁽¹⁾	168,941	138,228	134,929	126,915	130,129
Franchise Fees	25,912	24,911	25,915	26,175	25,243
Licenses and Permits	17,057	16,469	15,170	14,899	13,889
Fines and Forfeitures	16,184	16,292	15,988	16,166	16,394
Use of Money & Property	30,119	37,704	36,327	52,219	54,239
From Other Agencies	3,798	3,040	4,668	5,932	1,767
Charges for Services	31,663	27,514	26,310	26,415	26,295
Other	6,838	7,884	6,139	6,845	8,337
Total Revenues	\$ 455,716	\$ 423,209	\$ 416,557	\$ 417,464	\$445,883
EXPENDITURES CURRENT					
Legislative and Legal	\$ 11,518	\$ 11,420	\$ 9,604	\$ 11,373	\$ 9,673
General Government	20,823	19,669	16,900	17,769	17,050
Public Safety	332,143	290,142	282,516	277,741	267,430
Public Health	6,774	6,106	5,876	5,371	5,383
Community & Cultural	46,781	42,847	41,849	41,215	40,750
Public Works	43,113	37,415	34,917	30,706	29,679
Oil Operations	2,563	2,352	3,512	4,309	4,722
Total Current Expenditures	\$ 463,715	\$ 409,951	\$ 395,174	\$ 388,484	\$ 374,687
DEBT SERVICE⁽²⁾					
Principal	--	--	--	--	--
Interest	--	--	--	--	--
Fiscal Agent Fees	9	340	--	--	--
Costs of New Bonds	--	--	--	--	--
Total Expenditures	463,724	410,291	\$ 395,174	\$ 388,484	\$ 374,687
Excess of Revenues Over (Under) Expenditures	(8,008)	12,918	21,383	28,980	71,196
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	46,525	19,407	16,944	18,729	24,269
Operating Transfers Out	(45,720)	(47,967)	(44,575)	(68,179)	(34,851)
Total Other Financing Sources (Uses)	805	(14,365)	\$ (27,631)	\$ (48,438)	\$ (10,582)
Net Change In Fund Balances	(7,203)	(1,447)	(6,248)	(19,458)	60,614
Fund Balance - October 1	110,584	112,031	118,279	137,737	77,123
Fund Balance - September 30	\$ 103,381	\$ 110,584	\$ 112,031	\$ 118,279	\$ 137,737

⁽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.

**City of Long Beach
General Fund Budget
Fiscal Years 2016-2017
(In \$000's)**

	<i>Fiscal Year Ending 9/30</i>		
	<u>Adopted 17-18⁽³⁾</u>	<u>Adopted 16-17⁽³⁾</u>	<u>Actual 16-17⁽¹⁾⁽³⁾</u>
REVENUES			
Property Taxes	\$ 160,339	\$ 154,671	\$ 155,204
Other Taxes ⁽²⁾	185,071	171,739	168,941
Franchise Fees	25,797	26,734	25,912
Licenses and Permits	23,184	17,063	17,057
Fines and Forfeitures	15,592	15,182	16,184
Use of Money & Property	28,445	23,866	30,278
From Other Agencies ⁽³⁾	4,398	4,214	3,798
Charge for Services	35,042	28,923	31,663
Other	4,293	3,733	6,838
Total Revenue	\$ 482,161	\$ 446,125	\$ 455,875
EXPENDITURE CURRENT			
Legislative and Legal	\$ 14,777	\$ 11,659	\$ 11,519
General Government	21,268	22,233	20,934
Public Safety	330,838	300,783	332,154
Public Health	7,981	6,454	6,774
Community & Cultural	50,086	48,413	46,870
Public Works	40,140	41,178	43,129
Oil Operations	1,299	1,299	2,563
Total Current Expenditures	\$ 466,389	\$ 432,019	\$ 463,943
DEBT SERVICE			
Principal	-	-	-
Interest	-	-	-
Fiscal Agent Fees	-	-	9
Cost of New Bond Issuance	-	-	-
Total Expenditures	\$ 466,389	\$ 432,019	\$ 463,952
Excess of Revenues Over (Under)			
Expenditures	15,772	14,106	(8,077)
Proceeds from Other Long-Term Obligations	-	-	-
Discount on Debt Issuance	-	-	-
Payment to Refunded Bond Escrow Agent	-	-	-
Advanced Capitalized Interest	-	-	-
Operating Transfers In	20,421	9,137	46,525
Operating Transfers Out	(35,874)	(34,939)	(45,720)
Total Other Financing Sources (Uses)	(15,453)	(25,802)	805
Net Change In Fund Balances	319	(11,696)	(7,272)
Beginning Fund Balance - October 1	103,381	110,584	110,584
Encumbrance, Beginning of the Year ⁽⁴⁾	-	-	69
Ending Fund Balance - September 30	\$ 103,700	\$ 98,888	\$ 103,381

(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, 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
Fiscal Years 2013-2017
(In \$000's)

	<i>Fiscal Year Ending 9/30</i>				
	<i>2017</i>	<i>2016</i>	<i>2015</i>	<i>2014</i>	<i>2013</i>
ASSETS					
Pooled Cash and Cash Equivalents	\$ 83,114	\$ 105,373	\$ 104,710	\$ 114,807	\$ 135,357
Investments short-term non-performing	--	--	--	--	20
Cash - Non-Pooled and Cash Equivalents	6,095	6,115	329	373	374
Investment - Non-Pooled	--	--	--	--	--
Investment Interest Receivable	9	--	--	--	--
Property Taxes Receivable	93,430	90,005	88,349	83,658	88,147
Accounts Receivable	36,989	38,661	43,876	42,776	38,749
Allowances for Uncollectible Taxes & Accounts Receivable	(27,264)	(28,243)	(33,627)	(33,162)	(34,231)
Notes & Loans Receivable	1,346	1,446	1,712	1,789	1,861
Due from Other Governments	31,840	18,984	18,080	16,110	15,252
Due from Other Funds	7,842	6,091	14,106	7,391	7,079
Advances to Other Funds	--	--	--	--	2,000
Other Noncurrent Receivables	--	--	--	--	--
Allowances for Advances to Other Funds	--	--	--	--	--
Capital Lease Receivable	--	--	--	--	--
Inventory	--	--	--	--	--
Other Assets	500	102	2	6	43
Total Assets	\$ 233,901	\$ 238,534	\$ 237,537	\$ 233,748	\$ 254,651
LIABILITIES AND FUND BALANCES					
<i>Liabilities</i>					
Accounts Payable	13,211	14,529	9,198	11,649	11,064
Accrued Wages Payable	10,604	8,457	6,562	5,726	4,984
Accrued Interest Payable	--	--	--	--	--
Due to Other Governments	401	297	340	301	--
Due to Other Funds	5,558	5,401	10,259	5,513	7,569
Advances From Other Funds	2,114	2,614	3,114	3,614	4,114
Unearned Revenues	2,105	3,680	4,543	1,552	4,324
Accrued Claims and Judgements	--	--	--	--	--
Deposits and Collections Held in Trust	3,291	3,197	2,752	2,603	2,789
Total Liabilities	\$ 37,284	\$ 38,175	\$ 36,768	\$ 30,958	\$ 34,844
<i>Deferred Inflows of Resources⁽¹⁾</i>					
Deferred Inflows	93,236	89,775	88,738	84,511	82,070
FUND BALANCES					
Nonspendable	500	102	2	6	2,043
Restricted	4,469	4,498	4,308	4,266	2,311
Committed ⁽³⁾	64,539	63,568	62,597	61,079	5,711
Assigned ⁽³⁾	31,947	38,482	42,953	47,631	119,542
Unassigned	1,926	3,934	2,171	5,297	8,130
Total Fund Balances	103,381	110,584	112,031	118,279	137,737
Total Liabilities and Fund Balances	\$ 233,901	\$ 238,534	\$ 237,537	\$ 233,748	\$ 254,651

⁽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.

City of Long Beach
Assessed Valuations and Tax Collection Records
Fiscal Years 2013-2017
(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 2013.

<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>
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
2013	46,926,712	46,926,712	180,137	156,530	86.9

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

City of Long Beach
Assessed Valuations

<i>Fiscal Year</i>	<i>Local Secured</i>	<i>Utility</i>	<i>Unsecured</i>	<i>Total</i>
2012-13	\$ 41,401,107,906	\$ 377,783,471	\$ 2,702,563,956	\$ 44,481,455,333
2013-14	44,277,088,233	488,083,343	2,649,623,885	47,414,795,461
2014-15	46,244,051,867	841,682,926	2,624,364,407	49,710,099,200
2015-16	47,185,730,667	820,860,659	2,920,019,915	50,926,611,241
2016-17	48,606,862,800	751,107,900	2,867,420,362	52,225,391,062

Source: California Municipal Statistics, Inc.

**City of Long Beach
Tax Revenue By Source
Fiscal Years 2013-2017
(In 000's)**

<i>Source</i>	<i>Fiscal Year Ending 9/30</i>				
	<i>2017</i>	<i>2016</i>	<i>2015</i>	<i>2014</i>	<i>2013</i>
Property Tax ⁽¹⁾	\$ 191,514	\$ 200,765	\$ 179,999	\$ 183,885	\$ 214,816
Utility Users Tax ⁽²⁾	35,858	37,079	38,419	38,691	38,026
Sales & Use Tax	99,528	67,658	64,177	57,906	63,443
Transient Occupancy Tax	25,935	26,382	23,999	21,265	19,451
Business License	12,501	12,512	12,934	11,862	11,981
Franchises	25,912	24,911	25,915	26,175	25,243
Oil Production	5,129	5,582	5,787	5,653	5,301
Other ⁽³⁾	<u>3,272</u>	<u>3,271</u>	<u>2,798</u>	<u>2,723</u>	<u>9,713</u>
Total ⁽⁴⁾	\$ 399,649	\$ 378,160	\$ 354,028	\$ 348,160	\$ 387,974

- (1) Includes delinquent tax collections and supplemental or redemption revenue.
(2) Includes parcel audit results of misallocated tax rate areas.
(3) Includes real property transfer, special parking, miscellaneous taxes, and transfers in lieu of taxes.
(4) Tax revenues by source include all governmental fund types (general, special revenue, and capital projects funds) including property tax and transient occupancy tax, also referred to as hotel tax, in accordance with generally accepted accounting principles.

Source: City of Long Beach - Comprehensive Annual Financial Report - FY 2017 Unaudited.

**City of Long Beach
Property Tax Rate
All Overlapping Governments (Per \$100 of Assessed Value)
Fiscal Years 2013-2017**

<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>
2017	1.00000	0.00000	0.122192	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
2013	1.00000	0.00000	0.17561	0.04875	0.00350	1.22786

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

Source: City of Long Beach - Comprehensive Annual Financial Report - FY 2017 Unaudited.

Investment Portfolio Performance

The following is a summary of the City Treasurer's Quarterly Investment Portfolio Report as of September 30, 2017:

Invested Market Balance*	\$1,370,132,736
Portfolio Market Yield (annualized basis)	0.8893%
Weighted average portfolio maturity in days / years	462/ 1.27

- *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, 2017 (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, 2017, the City accrued non-discounted estimates totaling \$156.1 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 \$27.7 million and a long-term liability of \$128.4 million in the Insurance Internal Service Fund.

The ultimate amount of losses incurred through September 30, 2017 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, 2017 and 2016 is as follows (in thousands):

	<i>Workers' Compensation Claims</i>	<i>General Liability Claims</i>	<i>Total</i>
Balance at October 1, 2015:	\$ 111,259	\$ 19,362	\$ 130,621
Additions (Reductions)	16,535	10,963	27,498
Payments	(13,443)	(9,723)	(23,166)
Balance at September 30, 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	\$ 129,479	\$ 26,371	\$ 156,120

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, 2017.

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.

**City of Long Beach
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

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

<i>Fiscal Year</i>	<i>Employer Normal Cost</i>	<i>Unfunded Liability Payment</i>
2017-18	19.001%	\$20,702,786

Miscellaneous Plan of the City of Long Beach

<i>Fiscal Year</i>	<i>Employer Normal Cost</i>	<i>Unfunded Liability Payment</i>
2017-18	9.344%	\$31,752,031

Source: CalPERS Actuarial Reports for the City.

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

<i>June 30 Actuarial Valuation Date</i>	<i>Market Value of Assets</i>	<i>Actuarial Accrued Liability (AAL)</i>	<i>Unfunded AAL (UAAL)</i>	<i>Funded Ratio</i>	<i>Covered Payroll</i>	<i>UAAL as a % of Covered Payroll</i>
<u>Miscellaneous Employees</u>						
2012	\$1,522,045	\$2,057,068	\$535,022	74.0%	\$220,939	242.1%
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
<u>Safety Employees</u>						
2012	\$1,528,985	\$1,936,904	\$407,918	78.9%	\$124,868	326.6%
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

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, 2017. Following is a certain information excerpted from Note 14:

At September 30, 2017, the City's total OPEB liability was \$49.9 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 and Related Ratios⁽¹⁾
 (As of September 30, in \$000's) Last 10 Years⁽²⁾
 (unaudited)

	<u>2016</u>	<u>2017</u>
Total OPEB liability – beginning	\$ 42,493	\$ 45,122
Service cost	2,077	2,145
Interest on total OPEB liability	1,655	1,754
Difference between expected and actual experience	-	(8,920)
Changes of assumptions	-	11,093
Benefit payments	(1,103)	(1,254)
Net change in total OPEB liability	2,629	4,818
Total OPEB liability – ending	\$ 45,122	\$ 49,940
Covered payroll	\$ 406,263	\$ 435,649
Total OPEB liability as a percentage of covered payroll	11.1%	11.5%

Notes to Schedule:

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

⁽²⁾ Fiscal year 2016 was the first year of implementation.

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

City of Long Beach
Schedule of Direct and Overlapping Debt
September 30, 2017
(In \$000's)

2016-17 Assessed Valuation: \$52,225,391

DIRECT DEBT:

	<u>Outstanding</u>	<u>Exclusions</u>	<u>Outstanding</u>
City of Long Beach:			
Lease Revenue Bonds	\$151,035	\$21,215	\$129,820
Pension Obligation Bonds	<u>25,130</u>	<u>0</u>	<u>25,130</u>
Total Direct Debt	\$176,165	\$21,215	\$154,950

OVERLAPPING TAX AND ASSESSMENT DEBT:

	<u>% Applicable</u>			
Cerritos Community College District	0.359%	\$ 249,356	\$ 248,461	\$ 895
Coast Community College District	0.001	781,335	781,327	8
Compton Community College District	2.873	71,499	69,445	2,054
Long Beach Community College District	85.662	456,734	65,487	391,247
Los Angeles Community College District	0.051	3,765,830	3,763,909	1,921
ABC Unified School District	1.096	30,379	30,046	333
Compton Unified School District	0.023	53,392	53,380	12
Long Beach Unified School District	85.663	1,137,921	163,144	974,777
Los Angeles Unified School District	0.063	9,403,455	9,397,531	5,924
Paramount Unified School District	10.040	134,802	121,268	13,534
Metropolitan Water District	2.022	<u>74,905</u>	<u>73,390</u>	<u>1,515</u>
TOTAL OVERLAPPING TAX AND ASSESSMENT DEBT (1)		\$16,159,608	\$14,767,388	\$1,392,220

OVERLAPPING GENERAL FUND OBLIGATION DEBT:

Los Angeles County General Fund Obligations	3.884%	\$1,966,354	\$1,889,981	\$ 76,373
Los Angeles County Superintendent of Schools Certificates of Participation	3.884	6,500	6,248	252
Compton Unified School District Certificates of Participation	0.023	18,910	18,906	4
Los Alamitos Unified School District Certificates of Participation	0.009	42,121	42,117	4
Los Angeles Unified School District Certificates of Participation	0.063	238,025	237,875	150
Paramount Unified School District Certificates of Participation	10.040	28,710	25,828	2,882
County Sanitation District No. 1 Certificates of Participation	1.245	9,225	9,110	115
County Sanitation District No. 2 Certificates of Participation	0.191	14,245	14,218	27
County Sanitation District No. 3 Certificates of Participation	85.904	10,824	1,526	9,298
County Sanitation District No. 8 Certificates of Participation	2.628	5,635	5,487	148
County Sanitation District No. 19 Certificates of Participation	28.936	<u>2,566</u>	<u>1,824</u>	<u>742</u>
TOTAL GROSS OVERLAPPING GENERAL FUND OBLIGATION DEBT		\$2,343,115	\$2,253,120	\$89,995

OVERLAPPING TAX INCREMENT DEBT (Successor Agency): 100. % \$239,578 \$0 \$239,578

TOTAL GROSS OVERLAPPING COMBINED DEBT	\$18,742,301	\$17,020,508	\$1,721,793
Less: Los Angeles Unified School District (Qualified Zone Academic Bonds supported by period payments to investment accounts)	<u>9,783</u>	<u>9,777</u>	<u>6</u>
TOTAL NET OVERLAPPING COMBINED DEBT	\$18,732,518	\$17,010,731	\$1,721,787
TOTAL NET DIRECT AND OVERLAPPING COMBINED DEBT (2) (3)	\$18,908,683	\$17,031,946	\$1,876,737

- (1) Supported Southeast Resource Recovery Facility issues.
(2) Excludes 1915 Act and Mello-Roos Act bonds.
(3) Excludes tax and revenue anticipation notes, enterprise revenue, mortgage revenue and non-bonded capital lease obligations.

Ratios to 2016-17 Assessed Valuation:

Total Overlapping Tax and Assessment Debt (\$1,392,220)	2.67%	
Gross Total Direct Debt (\$176,165)	0.34%	(1)
Net Total Direct Debt (\$154,950)	0.30%	
Gross Combined Total Debt (\$1,897,958)	3.63%	(2)
Net Combined Total Debt (\$1,876,737)	3.59%	

Ratios to Redevelopment Successor Agency Incremental Valuation (\$13,564,898):

Total Overlapping Tax Increment Debt 1.77%

- (1) Includes supported Southeast Resource Recovery Facility issues.
(2) Includes supported Southeast Resource Recovery Facility issues and supported Los Angeles Unified School District Qualified Zone Academy 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

City of Long Beach Revenues, Oil Prices, and Oil Production Fiscal Years 2013-2017 (In 000's)

	<i>Fiscal Year Ending 9/30</i>				
	<i>2013⁽¹⁾</i>	<i>2014⁽¹⁾</i>	<i>2015⁽¹⁾</i>	<i>2016⁽²⁾</i>	<i>2017</i>
Available Tidelands Oil Revenue					
LBU					
Chapter 138	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000
East Wilmington Incremental Oil	22,541	21,106	10,149	6,266	9,533
Thums Land Lease	2,568	2,615	2,619	2,659	2,727
Thums Pipeline License	259	259	259	259	259
Total:	\$ 26,368	\$ 24,980	\$ 14,027	\$ 10,184	\$ 13,519
West Wilmington					
WW Base Oil	\$ 21,138	\$ 19,200	\$ 4,837	\$ 272	\$ 2,480
WW Incremental Oil	-	-			
Tidelands Special Facilities & Service Charge	1,687	1,685	1,770	2,026	2,168
Total:	\$ 22,825	\$ 20,885	\$ 6,607	\$ 2,298	\$ 4,648
Abandonment Fund	\$ 2,284	\$ 3,188	\$ 2,642	\$ 2,845	\$ 5,020
Available Tidelands Oil Revenue	\$ 46,909	\$ 42,677	\$ 17,992	\$ 9,637	\$ 13,148
Oil Prices and Oil Production					
Average Price per Barrel ⁽¹⁾	\$ 103.57	\$ 99.40	\$ 54.07	\$ 36.88	\$ 46.60
Oil Production (Barrels/Fiscal Year)					
East Wilmington	7,831,233	7,809,481	7,439,189	7,050,580	6,535,581
West Wilmington	1,247,153	1,290,037	1,211,470	1,081,993	1,014,664
Active Wells					
East Wilmington	1,203	1,237	1,205	1,198	1,176
West Wilmington	595	622	611	599	575

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

⁽²⁾ Oil prices for projected period based on approved budget. Data is based on unaudited results.

Tidelands Operating Fund Revenue
Actual Revenues for the Fiscal Years 2013-2017
(In \$000's)

	<i>Fiscal Year Ending 9/30</i>				
	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>
Revenue:					
Other Licenses and Permits	\$ 207	\$ 190	\$ 127	\$ 173	\$ 184
Traffic Fines	308	258	204	205	213
Interest	194	637	1,023	1,369	305
Parking Fees	603	190	793	813	907
Facilities Rentals and Concessions	3,736	3,769	6,764	3,807	2,738
Marine Fees and Rentals	716	771	816	831	886
Tidelands Fees, Concessions, and Rent	102	195	176	181	176
Convention Center Revenue	637	506	542	545	570
Hyatt Utility Reimbursement	481	595	814	430	578
Engineering Labor	132	131	143	143	148
Other Fees	698	721	722	751	744
Interfund Transfer from Tidelands Oil ⁽¹⁾	23,541	22,106	11,149	7,297	10,543
Interfund Transfer from Tideland Oil - Measure D ⁽¹⁾	23,368	20,569	6,843	2,384	4,806
Interfund Transfer from Harbor - Measure D	17,312	17,844	17,772	18,033	19,051
Interfund Transfer In - Others			654		1074
Other Revenues	687	544	596	584	691
Total Revenue	\$ 72,722	\$ 69,027	\$ 49,138	\$ 37,546	\$ 43,614
Prior Obligations:					
Hyatt Sublease	-102	-77	-74	-74	-72
Convention Center Management	-989	-1,055	-1,125	-1,268	-1,216
DBAW Obligations	-42	-42	-42	-42	0
Sierra Bank Lease	-52	-52	-52	-52	0
Total Prior Obligations	(\$ 1,185)	(\$ 1,226)	(\$ 1,293)	(\$ 1,436)	(\$ 1,288)
Available Tidelands Operating Revenues	\$ 71,537	\$ 67,801	\$ 47,845	\$ 36,110	\$ 42,326
2012 Authority Bonds⁽¹⁾	(\$ 10,138)	(\$ 8,165)	(\$ 8,154)	(\$ 8,144)	(\$ 8,140)
Series 2017 Bonds					
Debt Service Coverage⁽²⁾	7.06x	8.30x	5.87x	4.43x	5.20x
Available Tidelands Operating Revenues after 2012 Authority Bonds and Series 2017 Bonds	\$ 61,399	\$ 59,636	\$ 39,691	\$ 27,966	\$ 34,186

(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.

Tidelands Operating Fund Statement of Net Assets
Fiscal Years 2013-2017
(In \$000's)

	<i>Fiscal Year Ending 9/30</i>				
	<i>2013</i>	<i>2014</i>	<i>2015</i>	<i>2016</i>	<i>2017</i>
ASSETS					
Current Assets:					
Pooled Cash and Cash Equivalents	\$ 179,618	\$ 179,469	\$ 153,602	\$ 144,637	\$ 125,894
Non-Pooled Cash and Cash Equivalents	8,029	7,669	9,003	10,157	12,861
Non Performing Investments	29	-	-	-	-
Receivables:					
Interest Receivable	26	85	59	48	46
Accounts Receivable	2,525	2,369	5,694	4,318	3,030
Notes and Loans Receivable	-	-	-	-	-
Due from Other Governments	590	639	8	17	43
Due from Other Funds	23,748	22,412	21,110	20,166	30,577
Other Receivables	-	-	-	-	-
Allowance for Receivables	(2)	(4)	(6)	(7)	(7)
Inventory	-	-	-	-	-
Other Assets	1	-	160	131	-
Total Current Assets	\$ 214,564	\$ 212,639	\$ 189,630	\$ 179,287	\$ 172,444
Noncurrent Assets:					
Restricted Noncurrent Asset					
Non-Pooled Cash Investments	\$ 8,106	\$ 8,212	\$ 8,254	\$ 7,516	\$ 8,353
Other Noncurrent Receivables	-	-	-	-	-
Advances to Other Funds	-	-	-	-	-
Capital Assets:					
Land and Other Assets not Being					
Depreciated	43,693	37,767	37,846	43,277	52,716
Property, Plant and Equipment net of					
Accumulated Depreciation	139,502	148,459	153,895	146,268	142,962
Other Assets-Long-Term	-	-	-	-	-
Total Noncurrent Assets	\$ 191,301	\$ 194,438	\$ 199,995	\$ 197,061	\$ 204,031
Total Assets	\$ 405,865	\$ 407,077	\$ 389,625	\$ 376,348	\$ 376,475
Deferred Outflows of Resources					
Deferred Outflows	\$ 8,288	\$ 7,804	\$ 12,786	\$ 17,498	\$ 17,795

⁽¹⁾ Data updated to reflect audited figures.

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

Tidelands Operating Fund
Statement of Net Assets
Fiscal Years 2013-2017
(In \$000's)
(continued)

	<i>Fiscal Year Ending 9/30</i>				
	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>
LIABILITIES					
Current Liabilities payable from Current Assets:					
Accounts Payable	\$ 6,278	\$ 7,544	\$ 5,988	\$ 4,558	\$ 5,119
Accrued Wages	249	311	347	453	557
Accrued Interest Payable	1,901	1,855	1,795	1,730	1,681
Due to Other Funds	122	157	304	342	248
Unearned Revenues	111	111	115	216	224
Collections Held in Trust	55	68	84	97	110
Compensated Absences	-	-	-	-	621
Obligations Under Capital Leases	29	30	32	34	34
Bonds Payable Due Within One Year	3,670	3,780	3,915	4,070	4,235
Other Long Term Obligation-Current	99	99	16	2	2
Total Current Liabilities	\$ 12,514	\$ 13,955	\$ 12,596	\$ 11,502	\$ 12,831
Noncurrent Liabilities:					
Advances from Other Funds	\$ 1,300	\$ 1,300	\$ 1,300	\$ 1,300	\$ 1,300
Deferred Revenues	5,010	4,923	4,836	4,750	4,663
Compensated Absences	-	-	-	-	1,318
Obligations Under Capital Leases-Current	433	402	370	337	336
Other Long Term Obligations	701	602	6	5	3
Bonds Payable	93,350	89,570	85,655	81,585	84,741
Unamortized Discount (Premium)	10,614	9,847	9,043	8,224	-
Net OPEB Liability	-	-	-	503	591
Net Pension Liability	-	-	25,299	31,715	33,086
Total Noncurrent Liabilities	\$ 111,408	\$ 106,644	\$ 126,509	\$ 128,419	\$ 126,039
Total Liabilities	\$ 123,922	\$ 120,599	\$ 139,105	\$ 139,921	\$ 138,870
Deferred Inflows of Resources					
Deferred Inflows	\$ -	\$ -	\$ 3,552	\$ 3,523	\$ 4,710
NET ASSETS (DEFICIT)					
Investment in Capital Assets, Net of Related Debt	\$ 90,812	\$ 97,925	\$ 108,248	\$ 110,346	\$ 120,067
Restricted for:					
Debt Service	8,256	8,285	8,371	8,433	8,411
Capital Projects	87	-	999	1,545	0
General Purpose	7,900	7,616	7,912	7,637	12,803
Unrestricted	183,176	180,456	134,224	122,441	109,409
Total Net Assets	\$ 199,419	\$ 196,357	\$ 259,754	\$ 250,402	\$ 250,690

⁽¹⁾ Data updated to reflect audited figures.

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

Aquarium of the Pacific

Actual Calendar Year Attendance Calendar Years 2013-2017 (In 000's)

<i>Calendar Year</i>	<u>2017</u>	<u>2016</u>	<u>2015</u>	<u>2014</u>	<u>2013</u>
Resident Attendance	1,448	1,455	1,339	1,282	1,272
Non-Resident Attendance	<u>150</u>	<u>147</u>	<u>132</u>	<u>125</u>	<u>129</u>
Total Actual Attendance	1,597	1,601	1,471	1,407	1,401
Children under 3	<u>118</u>	<u>118</u>	<u>102</u>	<u>94</u>	<u>89</u>
Total Attendance	1,715	1,720	1,573	1,501	1,490

Source: Aquarium of the Pacific Corporation

Aquarium of the Pacific
Summary of Historical Operating Revenues and Expenses
Calendar Years 2013-2017

	<i>Calendar Year Ending 12/31</i>				
	<i>2017⁽¹⁾⁽²⁾</i>	<i>2016⁽¹⁾⁽²⁾</i>	<i>2015⁽¹⁾⁽²⁾</i>	<i>2014⁽¹⁾⁽²⁾</i>	<i>2013⁽¹⁾⁽²⁾</i>
OPERATING REVENUES					
Admissions	\$ 23,571,345	\$ 22,737,627	\$ 19,006,648	\$ 17,642,998	\$ 17,122,437
Membership	4,587,870	4,658,612	4,429,201	4,211,438	3,821,204
Educational Programs	994,136	937,095	891,721	1,051,189	1,097,576
Retail Operations (Gross)	5,110,088	4,964,706	4,551,466	4,103,958	3,792,937
Contributions	4,677,115	19,413,692	4,460,361	7,198,810	7,245,286
Restaurant and Catering	810,253	847,607	746,139	632,630	624,010
Fundraising Events	449,433	447,851	522,939	478,238	468,953
Donated Goods and Services	554,072	557,519	593,637	639,304	608,556
Operating Interest	28,574	93,372	7,241	8,351	2,417
Other (including parking)	1,192,460	1,053,342	948,353	970,006	964,443
Total Operating Revenue	\$ 41,975,346	\$ 55,711,423	\$ 36,157,706	\$ 36,936,922	\$ 35,747,819
OPERATING EXPENSES					
Salaries, Taxes and Benefits	\$ 17,261,005	\$ 15,877,161	\$ 14,869,446	\$ 14,413,143	\$ 13,519,407
Insurance	451,740	337,272	312,772	278,158	333,937
Occupancy	610,214	659,886	614,397	591,277	526,118
Utilities	1,458,008	1,385,226	1,466,510	1,536,777	1,448,518
Husbandry/Animals and Collecting	367,212	464,649	400,505	369,935	431,580
Outside Services	2,111,034	2,067,199	2,218,186	2,469,895	2,527,625
Supplies/Other Expendables	1,983,862	1,889,597	1,729,266	1,938,818	1,760,454
Cost of Goods Sold	2,154,055	2,106,478	1,961,024	1,759,275	1,670,331
Printing and Publishing	625,667	585,058	563,041	490,254	514,991
Advertising and Promotion	1,964,243	2,285,393	2,074,878	1,901,771	2,161,026
Travel, Meals and Training	350,801	308,155	253,968	237,512	227,038
All Other	2,386,154	2,696,061	2,213,440	2,144,346	2,486,068
Total Operating Expense	\$ 31,723,996	\$ 30,662,135	\$ 28,677,433	\$ 28,131,161	\$ 27,607,093
Net Operating Revenues	\$ 10,251,350	\$ 25,049,288	\$ 7,480,273	\$ 8,805,761	\$ 8,140,726
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 revenues and expenses of The Aquarium of the Pacific, (a stand alone 501C3 corporation).

(2) Data for years 2013 through 2017 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 Tideland section of the report.

Source: Aquarium of the Pacific Corporation - CY 2017 Unaudited.

Long Beach Airport

1. City of Long Beach, California Senior Airport Revenue Bonds, Series 2010A (Private Activity), \$48,435,000, Dated: November 23, 2010
2. City of Long Beach, California Senior Airport Revenue Bonds, Series 2010B (Governmental), \$12,965,000, Dated: November 23, 2010
3. City of Long Beach, California Senior Airport Revenue Bonds, Series 2009A, \$9,795,000, Dated: December 8, 2009
4. City of Long Beach, California Senior Airport Revenue Bonds, Series 2009C (Federally Taxable - Build America Bonds - Direct Payment To Issuer), \$44,890,000, Dated: December 8, 2009

Long Beach Airport Passenger and Cargo Volume Fiscal Years 2013-2017

<i>Fiscal Year</i>	<i>Passenger Volume</i>	<i>Cargo Volume (lbs)</i>	<i>Aircraft Operations</i>
2017	3,587,998 ⁽¹⁾	52,111,312	294,303
2016	2,652,538 ⁽²⁾	57,190,400	295,007
2015	2,549,911 ⁽³⁾	55,934,778	300,184
2014	2,860,103 ⁽⁴⁾	55,016,824	325,527
2013	2,989,486 ⁽⁵⁾	53,605,274	284,193

⁽¹⁾ In FY 2017 all 50 air carrier flight slots were allocated to four passenger airlines - JetBlue, American (which merged with US Airways) 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.

⁽²⁾ 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.

⁽³⁾ 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.

⁽⁴⁾ 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.

⁽⁵⁾ In FY 2013 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>
2018	\$ 5,192,450	\$ 4,069,263	\$ 9,261,712
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	<u>-</u>	<u>4,068,750</u>	<u>4,068,750</u>
Total:	\$ 106,126,507	\$ 93,580,400	\$ 199,706,907

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
Fiscal Years 2008-2017**

<i>Fiscal Year</i>	<i>Enplanements</i>	<i>Change (%)</i>
2008	1,439,598	-0.5%
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

Compounded Annual Growth Rate
2008-2017 2.5%

**Long Beach Airport
Airlines Serving the Airport**

As of 9/30/2017

Passenger Airlines

American Airlines
Southwest Airlines

Delta Air Lines

JetBlue Airways

Cargo Carriers

Federal Express
As of September 30, 2017

United Parcel Service

Source: City of Long Beach Airport.

**Long Beach Airport
Historical Enplanement by Airline
Fiscal Years 2013-2017**

<i>Airline</i>	<i>2013</i>		<i>2014</i>		<i>2015</i>		<i>2016</i>		<i>2017</i>	
	<i>Enplanements</i>	<i>Share</i>								
JetBlue	1,196,052	80%	1,147,101	80%	1,062,506	83%	1,090,735	82%	1,411,568	79%
Alaska ⁽¹⁾	83,976	6	69,003	5	12,181	1	-	0	-	0
American ⁽²⁾	122,460	8	130,132	9	115,475	9	98,157	7	75,238	4
Delta	95,015	6	84,968	6	85,241	7	87,286	7	94,400	5
Southwest ⁽³⁾	-	0	-	0	-	0	49,960	4	211,242	12
Xtra Airways ⁽⁵⁾	-	0	-	0	-	0	271	< 1	-	< 1
Elite Airways ⁽⁵⁾	-	-	-	-	-	-	-	-	990	< 1
Miami Air ⁽⁵⁾	-	0	-	0	87	< 1	547	< 1	315	< 1
Republic Airlines ⁽⁵⁾	-	0	1,881	< 1	1,090	< 1	-	0	-	0
Sierra Pacific ⁽⁵⁾	-	0	188	< 1	99	< 1	45	< 1	-	< 1
Total:	1,497,503		1,433,273		1,276,679		1,327,001		1,793,753	

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

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

(3) Southwest was allocated 4 supplemental air carrier slots in 2016 and began operations at LGB on June 5, 2016.

(4) Allegiant ceased service at the Airport in November 2011.

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

Source: City of Long Beach Airport.

**Long Beach Airport
Historical Landed Weights by Airline
Fiscal Years 2013-2017
(Weight in Thousands of Pounds)**

<i>Airline</i>	<i>2013</i>		<i>2014</i>		<i>2015</i>		<i>2016</i>		<i>2017</i>	
	<i>Weight</i>	<i>Share</i>								
JetBlue	1,291,490	72%	1,267,634	73%	1,137,834	74%	1,179,074	72%	1,677,376	72%
All-Cargo Carriers	163,013	9	159,821	9	168,217	11	169,561	10	166,524	7
Alaska ⁽¹⁾	86,094	5	71,541	4	12,710	1	-	0	-	0
Delta	107,971	6	94,395	5	95,472	6	97,764	6	105,969	5
American ⁽²⁾	143,208	8	148,830	9	124,444	8	126,655	8	91,094	4
Southwest ⁽³⁾	-	0	-	0	-	0	61,876	4	272,450	12
Xtra Airways ⁽⁴⁾	-	0	-	0	-	0	640	< 1	-	0
Elite Airways ⁽⁴⁾	-	0	-	0	-	0	-	0	2,144	< 1
Miami Air ⁽⁴⁾	-	0	-	0	292	< 1	972	< 1	731	< 1
Republic Airlines ⁽⁴⁾	-	0	3,686	< 1	2,910	< 1	-	0	-	0
Sierra Pacific ⁽⁴⁾	-	0	317	< 1	105	< 1	214	< 1	210	< 1
Total:	1,791,776		1,742,221		1,541,984		1,636,756		2,316,498	

⁽¹⁾ Alaska ceased service at the Airport in January 2015.

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

⁽³⁾ Southwest began operations at LGB on June 5, 2016.

⁽⁴⁾ Elite Airways, Xtra Airways, Miami Air, Republic Airlines, and Sierra Pacific operate passenger charter flights at the Airport.

Source: City of Long Beach Airport.

**Long Beach Airport
Historical Operating Results
Fiscal Years 2013-2017**

	<u>2017</u>	<u>2016⁽¹⁾</u>	<u>2015⁽²⁾</u>	<u>2014</u>	<u>2013</u>
Land and Building Rentals	\$ 10,028,449	\$ 8,613,204	\$ 8,923,169	\$ 8,878,275	\$ 8,838,712
Parking Fees	9,153,922	7,758,334	7,719,562	8,679,032	9,032,797
Airport Concessions	6,797,987	5,347,764	4,979,975	5,309,189	5,083,139
Landing, Gate, and Ramp Fees	14,132,351	10,235,877	8,350,126	8,892,216	8,131,464
Other Fees and Charges	<u>6,240,379</u>	<u>4,672,711</u>	<u>3,787,474</u>	<u>4,041,436</u>	<u>3,674,002</u>
Total Operating Revenues	\$ 46,353,088	\$ 36,627,889	\$ 33,760,306	\$ 35,800,148	\$ 34,760,114
Personnel Services	\$ 12,138,519	\$ 11,381,165	\$ 10,052,234	\$ 9,420,956	\$ 9,442,804
Operations and Maintenance	10,169,728	8,341,864	7,407,939	7,400,323	6,661,123
City Services	8,977,661	9,162,077	8,833,872	8,888,528	8,769,803
General and Administration	1,966,219	1,677,848	1,545,696	1,591,689	1,639,080
Amortization Expense	-	52,708	79,062	79,062	79,062
Depreciation	<u>11,055,188</u>	<u>10,590,305</u>	<u>10,036,794</u>	<u>9,293,460</u>	<u>8,757,680</u>
Total Operating Expenses	\$ 44,307,315	\$ 41,205,965	\$ 37,955,596	\$ 36,674,018	\$ 35,349,552
Operating Income (Loss)	\$ 2,045,773	\$ (4,578,076)	\$ (4,195,290)	\$ (873,870)	\$ (589,438)
Interest Income (Expense)	\$ (6,365,753)	\$ (6,040,044)	\$ (6,312,649)	\$ (6,461,713)	\$ (4,108,779)
Passenger Facility Charges	7,329,417	5,579,553	5,236,864	6,022,353	6,213,774
Customer Facility Charges	1,805,766	1,649,310	1,562,530	1,645,270	1,629,130
Operating Security Agreement	325,038	324,005	167,342	155,672	324,688
Federal Subsidy on Build America Bonds	1,123,327	1,122,925	1,118,409	1,118,506	1,118,783
Other Income, Net	<u>(328,375)</u>	<u>(150,796)</u>	<u>(81,080)</u>	<u>(465,847)</u>	<u>(1,307,754)</u>
Total Non-Operating Revenues (Expenses)	\$ 3,889,420	\$ 2,484,953	\$ 1,646,479	\$ 2,014,241	\$ 3,869,842
Income (Loss) before Capital Grants	\$ 5,935,193	\$ (2,093,123)	\$ (2,503,874)	\$ 1,140,371	\$ 3,280,404
Capital Grants-Federal Aviation Administration	\$ 2,541,326	\$ 9,909,285	\$ 13,289,614	\$ 10,245,767	\$ 8,361,596
Capital Grants - Other Sources	-	-	-	-	-
Operating Transfers - In	113,063	-	-	-	-
Operating Transfers - Out	(30,941)	(389,777)	(484,534)	-	-
Increase in Net Assets	\$ 8,558,641	\$ 7,426,386	\$ 10,235,678	\$ 11,386,138	\$ 11,642,000
Total Net Assets Beginning of Year	\$ 186,976,725	\$ 179,946,339	\$ 180,714,661	\$ 169,328,523	\$ 159,349,590
Adjustment for GASB 75 Implementation	-	(396,000)	-	-	-
Adjustment for GASB 68 Implementation	-	-	(11,004,000)	-	-
Adjustment for GASB 65 Implementation	-	-	-	-	\$ (1,663,067)
Total Net Assets End of Year	\$ 195,535,366	\$ 186,976,725	\$ 179,946,339	\$ 180,714,661	\$ 169,328,523

(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.

Long Beach Airport
Historical Airline Payments Per Enplaned Passenger
Fiscal Years 2013-2017

	<u>2017</u>	<u>2016</u>	<u>2015</u>	<u>2014</u>	<u>2013</u>
Landing Fees	\$ 10,811,730	\$ 7,919,806	\$ 6,454,091	\$ 6,822,614	\$ 6,252,673
Common Use Fees	5,747,931	4,445,453	3,638,535	3,882,822	3,605,338
Gate Use Fees	2,916,295	2,081,913	1,696,879	1,826,445	1,665,697
Ramp (RON) Fees	404,326	234,159	199,157	243,157	213,094
Terminal Rentals	<u>182,112</u>	<u>99,571</u>	<u>84,657</u>	<u>77,757</u>	<u>70,429</u>
Total Airline Fees	\$ 20,062,394	\$ 14,782,917	\$ 12,073,319	\$ 12,852,795	\$ 11,807,231
Less Fees from Cargo Airlines	<u>761,781</u>	<u>808,798</u>	<u>684,283</u>	<u>626,155</u>	<u>570,023</u>
Passenger Airline Charges	<u>\$ 19,300,613</u>	<u>\$ 13,974,119</u>	<u>\$ 11,389,036</u>	<u>\$ 12,226,640</u>	<u>\$ 11,237,208</u>
Enplanements	1,793,753	1,327,001	1,276,679	1,433,273	1,497,503
Airline Payments per Enplaned Passenger	\$ 10.76	\$ 10.53	\$ 8.92	\$ 8.53	\$ 7.50

Source: City of Long Beach Airport.

Long Beach Airport
Historical Debt Service Coverage
Fiscal Years 2013-2017

	<u>2017</u>	<u>2016</u>	<u>2015</u>	<u>2014</u>	<u>2013</u>
OPERATING REVENUES & INTEREST INCOME					
Landing and Ramp Fees	\$ 11,216,056	\$ 8,153,965	\$ 6,653,247	\$ 7,065,771	\$ 6,465,767
Terminal Gate Fees and Rents	8,846,338	6,626,937	5,420,071	5,787,025	5,341,465
Automobile Parking Fees	9,153,922	7,758,334	7,719,562	8,679,032	9,032,797
Other Airport Concessions	6,575,930	5,109,797	4,731,391	5,066,350	4,849,893
FBO Rents and Fuel Fees	4,550,861	5,203,586	5,705,584	5,753,137	5,672,173
Other Land and Building Rentals and Fees	5,597,120	3,897,121	3,530,450	3,448,833	3,398,019
Interest Income	<u>358,087</u>	<u>237,929</u>	<u>344,611</u>	<u>126,971</u>	<u>21,329</u>
Total Revenues	\$ 46,298,314	\$ 36,987,669	\$ 34,104,918	\$ 35,927,119	\$ 34,781,443
OPERATING EXPENSES					
Personnel	\$ 11,157,298	\$ 10,298,174	\$ 9,807,705	\$ 9,304,035	\$ 9,303,016
Materials, Supplies & Services	6,854,833	5,814,056	5,342,783	5,295,920	5,296,061
City Services	11,456,119	11,401,881	11,140,482	11,295,012	11,363,349
Other	-	-	-	-	-
Operating Expenses Funded by SF06 Fund	-	-	-	-	-
Total Operating Expenses	<u>\$ 29,468,250</u>	<u>\$ 27,514,111</u>	<u>\$ 26,290,970</u>	<u>\$ 25,894,967</u>	<u>\$ 25,962,426</u>
NET OPERATING REVENUES	\$ 16,830,064	\$ 9,473,558	\$ 7,813,947	\$ 10,032,152	\$ 8,819,017
Other Pledged Revenues - PFCs	4,483,518	4,481,980	4,483,118	4,482,784	4,469,052
Transfer	<u>2,036,981</u>	<u>2,035,474</u>	<u>2,036,769</u>	<u>2,036,942</u>	<u>2,025,068</u>
NET REVENUES	\$ 23,349,358	\$ 15,991,013	\$ 14,333,834	\$ 16,551,878	\$ 15,313,137
DEBT SERVICE ⁽¹⁾	\$ 8,147,925	\$ 8,141,897	\$ 8,147,075	\$ 8,147,769	\$ 8,100,274
Debt Service Coverage:	2.87	1.96	1.76	2.03	1.89

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

Source: City of Long Beach Airport.

Gas and Oil Department

1. Long Beach Bond Finance Authority Natural Gas Purchase Revenue Bonds, Series 2007A (Fixed Rate), \$635,665,000, Dated: October 18, 2007
2. Long Beach Bond Finance Authority Natural Gas Purchase Revenue Bonds, Series 2007B (LIBOR Index Rate), \$251,695,000, Dated: October 18, 2007

Gas and Oil Department Gas Rate Structure Fiscal Years 2013-2017 (Per Therm - 100,000 BTU)

<i>User Type And Monthly Rate Block</i>	<u>2017</u>	<u>2016</u>	<u>2015</u>	<u>2014</u>	<u>2013</u>
Residential:					
<i>Summer:</i>					
0 - 15	0.5979	0.5368	0.4616	0.4110	0.3829
Over 15	0.8579	0.7968	0.7216	0.6710	0.6429
<i>Winter:</i>					
0 - 50	0.5979	0.5368	0.4616	0.4110	0.3829
over 50	0.8579	0.7968	0.7216	0.6710	0.6429
Small Non-Residential					
Tier I ⁽¹⁾	0.6399	0.5829	0.5168	0.5286	0.5158
Tier II ⁽²⁾	0.3798	0.3340	0.2684	0.2727	0.2573
Tier III ⁽³⁾	0.2054	0.1671	0.1019	0.1011	0.0840
Large Non-Residential					
Tier I ⁽⁴⁾	0.2049	0.1989	0.2020	0.2148	0.2097
Tier II ⁽⁵⁾	0.1449	0.1418	0.1428	0.1503	0.1478
Tier III ⁽⁶⁾	0.1065	0.1052	0.1049	0.1084	0.1076
Tier IV ⁽⁷⁾	0.079	0.0791	0.0783	0.0843	0.0847

⁽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.

**Gas and Oil Department
Natural Gas Sales
Fiscal Years 2013-2017
(In 000's)**

<i>Fiscal Year Ending 9/30</i>	<i>Consumption in Sales Dollars Commercial</i>				<i>Consumption in Cubic Feet Commercial</i>				<i>Average Rate per</i>	<i>Average 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>
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 - Gas and Oil Department.

**Gas and Oil Department
Ten Largest Customers
Fiscal Year Ending September 30, 2017**

<i>Customer</i>	<i>In Cubic Feet</i>	<i>Sales (\$)</i>
THUIMS ⁽¹⁾	\$ 748,782,257	\$ 482,958
National Gypsum ⁽¹⁾	511,738,000	265,597
Montenay ⁽²⁾	414,388,400	2,739,489
Veterans Hospital ⁽²⁾	134,583,800	768,565
Long Beach Transit ⁽²⁾	124,988,700	689,716
Memorial Hospital ⁽¹⁾	122,653,300	167,906
CSULB ⁽¹⁾	115,958,600	215,448
Clean Energy Fuels ⁽²⁾	93,938,641	563,429
American Textile ⁽¹⁾	77,170,200	138,452
St. Mary's Hospital ⁽¹⁾	55,668,700	96,517
Total	\$ 2,399,870,598	\$ 6,128,076

⁽¹⁾ Transmission charges.

⁽²⁾ Natural gas sales.

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

Gas Enterprise Fund
Statement of Net Assets
Fiscal Years 2013-2017
(In \$000's)

	<i>Fiscal Year Ending 9/30</i>				
	<i>2017</i>	<i>2016</i>	<i>2015⁽¹⁾</i>	<i>2014</i>	<i>2013</i>
ASSETS					
Current Assets:					
Pooled Cash and Cash Equivalents	\$ 38,211	\$ 29,730	\$ 31,250	\$ 7,487	\$ 7,508
Non Pooled Pooled Cash and Cash Equivalents	1	-	-	6	6
Investment -Non-performing	5	9	12	-	11
Receivables:					
Accounts Receivable	6,560	3,632	3,670	3,885	3,361
Due from Other Governments					
Due from Other Funds	5,460	643	615	1,820	633
Allowance for Receivables	(214)	(224)	(449)	(456)	(463)
Inventory	1,840	1,850	2,066	2,486	1,933
Prepaid Expenses	9	13	119	52	401
Other Assets-Current					
Total Current Asset	\$ 51,872	\$ 35,653	\$ 37,283	\$ 15,280	\$ 13,390
Noncurrent Assets:					
Non-Pooled Investments (restricted)		-	-	1	-
Advances to Other Funds		-	-	-	-
Capital Assets:					
Land and Other Capital Assets not being Depreciated	4,139	1,602	5,926	7,238	4,346
Capital Assets net of Accumulated Depreciation	162,550	153,302	132,679	124,854	120,397
Other Assets-Long-Term					
Total Noncurrent Assets	166,689	154,904	138,605	132,093	124,743
Total Assets	218,561	190,557	175,888	147,373	138,133
Deferred Outflow - Net Pension Liability	10,146	9,373	4,521	459	-
LIABILITIES:					
Current Liabilities Payable from Current Assets:					
Accounts Payable	\$ 3,639	\$ 3,759	\$ 1,872	\$ 4,167	\$ 3,402
Accrued Wages	698	468	358	320	280
Accrued Interest Payable	159	170	71	2	2
Due to Other Funds	626	445	3,045	1,456	683
Deferred Revenues	1,690	1,326	1,057	1,467	126
Customers Deposits	3,084	3,020	3,005	2,601	1,833
Bonds Payable Due Within One Year	0	-	-	-	-
Other Long Term Obligation - Current	2,897	1,478	1,554	432	423
Total Current Liabilities	\$ 12,793	\$ 10,666	\$ 10,962	\$ 10,445	\$ 6,749
Noncurrent Liabilities:					
Unamortized Discount/Deferred cost Bonds Payable/Commercial Paper/Capital Lease	14,806	16,318	17,796	2,850	4,782
Net Pension Liability – CalPERS	40,516	34,093	28,524	25,548	-
Unamortized Discount/Deferred Cost			-	-	-
Total Noncurrent Liabilities	55,322	50,411	46,320	28,398	4,782
Total Liabilities	68,115	61,077	57,282	38,843	11,531
Deferred Inflows	2,815	2,265	2,810	-	-
NET ASSETS:					
Investment in Capital Assets, Net of Related Debt	150,371	137,107	119,255	128,810	119,537
Restricted for:					
Debt Service/Capital Projects	4,482	5,499	873	-	692
Unrestricted	2,924	(6,019)	189	(19,821)	6,373
Total Net Assets	\$ 157,777	\$ 136,587	\$ 120,317	\$ 108,989	\$ 126,602

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

Gas Enterprise Fund
Comparative Summary of Statements of Revenue, Expense, and Changes in Net Assets
Fiscal Years 2013-2017
(In \$000's)

	<i>Fiscal Year Ending 9/30</i>				
	<i>2017</i>	<i>2016</i>	<i>2015</i>	<i>2014</i>	<i>2013</i>
Operating Revenues:					
Charges for Services	\$ 96,723	\$ 79,526	\$ 77,098	\$ 81,992	\$ 80,402
Total Revenues	96,723	79,526	77,098	81,992	80,402
Operating Expenses:					
Personal Services	19,463	16,322	15,684	15,020	15,284
Purchases of Gas and Water	22,091	16,118	18,258	31,138	27,341
Maintenance and Other Operations	15,821	12,094	12,853	12,346	11,384
Bad Debt	-	-	-	-	187
Amortization	-	-	-	-	(5)
Depreciation	7,200	6,302	5,651	5,508	5,207
Total Operating Expenses	64,575	50,836	52,446	64,012	59,398
Operating Income (Loss)	32,148	28,690	24,652	17,980	21,004
Non-Operating Income (Expense):					
Interest Income	288	214	158	85	(9)
Interest Expense	(318)	(23)	-	-	(4)
Gain (Loss) on Disposition of Capital Assets	(378)	(1,379)	(241)	(1,189)	(874)
Contributed Capital	-	-	-	-	(1,844)
Operating Grants	-	-	-	-	-
Other Income (Expense)	310	243	212	213	1,682
Total Non-Operating Income (Expense)	(98)	(945)	129	(891)	(1,049)
Income (Loss) Before Contributions and Operating Transfers	32,050	27,745	24,781	17,089	19,955
Transfers Out	(11,075)	(11,475)	(12,000)	(10,223)	(13,039)
Transfers In - Gas Prepay (FD 303)	215	-	-	-	-
Change in Net Assets	21,190	16,270	12,781	6,866	6,916
Net Assets - October 1, as Restated	136,587	120,317	108,989	127,212	120,296
Prior Period Adjustment (GASB 68)	-	-	(1,453)	(25,089)	-
Net Assets - September 30	\$ 157,777	\$ 136,587	\$ 121,317	\$ 108,989	\$ 127,212

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

Gas Enterprise Fund
Debt Service Coverages
Fiscal Years 2013-2017
(In \$000's)

	<i>Fiscal Year Ending 9/30</i>				
	<i>2017</i>	<i>2016</i>	<i>2015</i>	<i>2014</i>	<i>2013</i>
Operating Revenue	\$ 96,723	\$ 79,526	\$ 77,098	\$ 81,992	\$ 80,402
Operating Expenses ⁽¹⁾	57,375	44,534	46,708	58,504	54,191
Net Operating Revenue	39,348	34,992	30,390	23,488	26,211
Non-Operating Income	220	(922)	42	(891)	(1,045)
Net Revenue Available for Debt Service	<u>\$ 39,568</u>	<u>\$ 34,070</u>	<u>\$ 30,432</u>	<u>\$ 22,597</u>	<u>\$ 25,166</u>
Debt Service Requirements	\$ 1,892	\$ 1,500	\$ 1,500	\$ -	\$ -
Coverage Ratio	20.9x	22.4x	20.3x	34.1x	34.1x

⁽¹⁾ Operating expenses exclude depreciation; non-operating income excludes interest expense.

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

Harbor Department*

1. City of Long Beach, California, Harbor Revenue Bonds, Series 2015C (AMT), \$66,085,000, Dated: August 19, 2015
2. City of Long Beach, California, Harbor Revenue Bonds, Series 2015D (Non-AMT), \$66,865,000, Dated: August 19, 2015
3. City of Long Beach, California, Harbor Revenue Refunding Bonds, Series 2015A (AMT), \$44,845,000, Dated: May 7, 2015
4. City of Long Beach, California, Harbor Revenue Refunding Bonds, Series 2015B (Non-AMT), \$20,130,000, Dated: May 7, 2015 2015AB
5. City of Long Beach, California, Harbor Revenue Short-Term Notes, Series 2014C, \$325,000,000, Dated: June 12, 2014
6. City of Long Beach, California, Harbor Revenue Refunding Bonds, Series 2014A (AMT), \$38,465,000, Dated: May 7, 2014
7. City of Long Beach, California, Harbor Revenue Refunding Bonds, Series 2014B (Non-AMT), \$20,570,000, Dated: May 7, 2014
8. City of Long Beach, California, Harbor Revenue Refunding Bonds, Series 2010B, \$158,085,000, Dated: May 12, 2010
9. City of Long Beach, California, Harbor Revenue Bonds, Series 2010A, \$200,835,000, Dated: April 22, 2010
10. City of Long Beach, California, Harbor Revenue Refunding Bonds, Series 1998A, \$206,330,000, Dated: February 1, 1998

* 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, Dated: April 3, 2012

Harbor Department
Comparative Statements of Revenue, Expenses, and Changes in Net Position
Fiscal Years 2013-2017
(In \$000's)

	<i>Fiscal Year Ending 9/30</i>				
	<u>2017</u>	<u>2016</u>	<u>2015</u>	<u>2014</u>	<u>2013</u>
PORT OPERATING REVENUES					
Fees, Concessions and Rentals	\$ 378,218	\$ 358,038	\$ 353,015	\$ 355,618	\$ 345,244
Other, Income (Expense) Net	<u>2,793</u>	<u>2,622</u>	<u>2,435</u>	<u>1,262</u>	<u>1,000</u>
Total Port Operating Revenues	\$ 381,010	\$ 360,660	\$ 355,450	\$ 356,880	\$ 346,244
PORT OPERATING EXPENSES					
Operation/Administrative	142,641	143,873	133,771	108,455	97,696
Depreciation/Amortization	<u>148,445</u>	<u>146,721</u>	<u>137,709</u>	<u>117,966</u>	<u>90,850</u>
Total Port Operation Expenses	\$ 291,086	\$ 290,595	\$ 271,480	\$ 226,421	\$ 188,545
Income from Port Operations	89,924	70,066	83,970	130,459	157,699
NON-OPERATING INCOME AND EXPENSE					
Interest Income, Net of Capitalized Interest	\$ 1,706	\$ 4,637	\$ 4,036	\$ 3,136	\$ 2,789
Interest Expense, Net of Capitalized Interest	(5,884)	(13,244)	(878)	(1,204)	(65)
Gain (Loss) on Sale of Property	42	48	35,979	16	(6)
Other, Income (Expense) Net	<u>6,697</u>	<u>(1,973)</u>	<u>4,371</u>	<u>868</u>	<u>(3,601)</u>
Total Non-Operating Income (Expense)	\$ 2,562	\$ (10,532)	\$ 43,508	\$ 2,816	\$ (884)
Income Before Operating Transfers	92,486	59,533	127,477	133,275	156,815
Capital Grants and Contributions and Depreciation	73,072	128,282	121,008	168,092	250,543
Net Transfers	(19,448)	(14,685)	(17,772)	(17,844)	(17,312)
Change in Net Assets (Deficit)	\$ 146,110	\$ 173,131	\$ 230,713	\$ 283,523	\$ 390,046
Total net assets - beginning of year	\$ 3,780,027	\$ 3,609,818	\$ 3,462,209	\$ 3,178,686	\$ 2,793,319
Adjustment for GASB 65 Implementation ⁽¹⁾	\$ -	\$ (2,922)	\$ -	\$ -	\$ (4,678)
Adjustment for GASB 68 Implementation ⁽¹⁾	\$ -	\$ -	\$ (83,104)	\$ -	\$ -
Total Net Assets, September 30	\$ 3,926,137	\$ 3,780,027	\$ 3,609,818	\$ 3,462,209	\$ 3,178,686

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

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

Harbor Department
Comparative Statement of Net Position
Fiscal Years 2013-2017
(In \$000's)

	<i>Fiscal Year Ending 9/30</i>				
	<i>2017</i>	<i>2016</i>	<i>2015</i>	<i>2014</i>	<i>2013</i>
CURRENT ASSETS					
Pooled Cash and Investments	\$ 408,288	\$ 335,454	\$ 320,731	\$ 301,487	\$ 239,891
Interest Receivable	99	190	-	-	203
Accounts Receivable (Trade)	67,074	50,607	49,964	52,765	39,255
Due from other Governmental Agencies	54,105	66,290	98,175	63,361	129,171
Inventories of Supplies	730	679	584	631	520
Other Current Assets	<u>3,320</u>	<u>3,736</u>	<u>2,657</u>	<u>1,726</u>	<u>1,967</u>
Total Current Assets	\$ 533,617	\$ 456,956	\$ 472,112	\$ 419,970	\$ 411,006
HARBOR REVENUE BOND FUNDS & OTHER FUNDS RESTRICTED AS TO USE					
Pooled Cash and Cash Equivalents	215,214	157,675	348,072	309,246	110,996
Other Investments	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
Total Restricted Assets	\$ 215,214	\$ 157,675	\$ 348,072	\$ 309,246	\$ 110,996
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	2,771,073	2,643,838	2,390,342	2,360,971	2,478,815
Capital assets net of accumulated depreciation	1,780,917	1,721,538	1,706,178	1,536,323	997,979
Other Long-term assets	<u>52,794</u>	<u>55,346</u>	<u>56,828</u>	<u>54,091</u>	<u>52,680</u>
Total Non Current Assets	\$ 4,606,084	\$ 4,422,022	\$ 4,154,648	\$ 3,952,684	\$ 3,530,774
Total Assets	\$ 5,354,915	\$ 5,036,653	\$ 4,974,831	\$ 4,681,901	\$ 4,052,777
Deferred outflows on debt refunding	\$ 42,089	\$ 41,884	\$ 22,268	\$ 9,593	\$ 11,404
Total assets and deferred outflows	\$ 5,397,004	\$ 5,078,537	\$ 4,997,100	\$ 4,691,494	\$ 4,064,181

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

Harbor Department
Comparative Statement of Net Position (continued)
Fiscal Years 2013-2017
(In \$000's)

	<i>Fiscal Year Ending 9/30</i>				
	<i>2017</i>	<i>2016</i>	<i>2015</i>	<i>2014</i>	<i>2013</i>
CURRENT LIABILITIES PAYABLE FROM CURRENT ASSETS					
Accounts Payable and Accrued Expenses	\$ 69,239	\$ 75,113	\$ 69,478	\$ 86,239	\$ 108,229
Commercial paper plus accrued interest	-	-	-	-	-
Deferred Revenues	7,935	7,116	10,667	11,668	13,633
Due to other funds	19,267	20,143	21,869	17,969	17,312
Environmental remediation obligations					
Liability claims	5,000	8,600	-	6,961	14,000
Notes payable due within One Year	-	-	-	-	-
Current Liabilities Payable from Current Assets	\$ 101,440	\$ 110,971	\$ 102,014	\$ 122,837	\$ 153,174
CURRENT LIABILITIES PAYABLE FROM RESTRICTED ASSETS					
Accrued interest - bonds	17,375	16,055	15,244	14,965	11,484
Commercial paper plus accrued interest				-	-
Current portion of bonds indebtedness	47,190	44,905	45,360	51,805	49,115
Total Liabilities from Restricted Assets	\$ 64,565	\$ 60,960	\$ 60,604	\$ 66,770	\$ 60,599
Accrued Oil Field Abandonment costs	3,800	-	-	-	-
Environmental Remediation Liability	-	-	-	-	-
Obligations Under Capital Lease	-	-	-	-	-
Net OPEB Liability (NEW)	3,250	3,103			
Other Long Term Bonds Payable (nets of unamortized Discount/Deferred Cost)	1,281,976	1,108,129	1,181,641	1,016,262	671,722
Unearned Revenues	2,751	3,685	28,208	20,453	-
Total Noncurrent Liabilities	\$ 1,291,776	\$ 1,114,917	\$ 1,209,848	\$ 1,036,715	\$ 671,722
Total Liabilities	\$ 1,457,781	\$ 1,286,849	\$ 1,372,466	\$ 1,226,322	\$ 885,495
Deferred inflows	\$ 13,086	\$ 11,661	\$ 14,816	\$ 2,963	\$ 6,491
Total liabilities and deferred inflows	\$ 1,470,867	\$ 1,298,510	\$ 1,387,282	\$ 1,229,285	\$ 891,986
Total Net Position ⁽¹⁾	\$ 3,926,137	\$ 3,780,027	\$ 3,609,818	\$ 3,462,209	\$ 3,178,686

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 - Comprehensive Annual Financial Report.

Harbor Department
Senior Debt Service Coverage
Fiscal Years 2013-2017
(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>
2017	\$382,716	\$142,641	\$240,075	\$88,354	4.3	2.7
2016	365,298	143,873	221,425	89,258	4.1	2.5
2015	359,486	133,771	225,714	78,363	4.6	2.9
2014	360,016	108,455	251,561	84,724	4.2	3.0
2013	346,984	97,696	249,288	79,991	4.3	3.1

⁽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.

Source: City of Long Beach - Harbor Department.

**Harbor Department
Sources of Operating Revenues
Fiscal Years 2013-2017
(In \$000's)**

	<i>Fiscal Year Ending 9/30</i>				
	<i>2017</i>	<i>2016</i>	<i>2015</i>	<i>2014</i>	<i>2013</i>
Operating Revenues					
Berths & Special Facilities					
Wharfage	\$ 342,022	\$ 322,522	\$ 312,074	\$ 307,561	\$ 296,623
Dockage	7,134	8,089	10,773	10,877	12,055
Bunkers	1,269	1,412	1,048	703	1,375
Special Facilities Rentals	13,289	15,612	16,247	13,758	12,426
Crane Rentals	-	-	2,372	12,789	12,789
Other	771	536	620	570	601
Total Berths & Special Facilities	\$ 364,486	\$ 348,171	\$ 343,134	\$ 346,258	\$ 335,869
Rental Properties	13,732	9,958	9,881	9,360	9,374
Utilities/Miscellaneous	2,793	2,531	2,435	1,262	1,000
Total Operating Revenues	\$ 381,010	\$ 360,660	\$ 355,450	\$ 356,880	\$ 346,244

Source: City of Long Beach - Harbor Department.

**Harbor Department
Wharfage Revenues
Fiscal Years 2013-2017
(In \$000's)**

	<i>Fiscal Year Ending 9/30</i>				
	<i>2017</i>	<i>2016</i>	<i>2015</i>	<i>2014</i>	<i>2013</i>
Total Metric Revenue Tons (Municipal Only)	168,100	161,322	164,274	165,526	162,257
Wharfage Revenue	\$ 342,022	\$ 322,522	\$ 312,074	\$ 307,561	\$ 296,623
Average Wharfage Revenues Per Ton	\$ 2.03	\$ 2.00	\$ 1.90	\$ 1.86	\$ 1.83

Source: City of Long Beach - Harbor Department.

**Harbor Department
Revenue Tonnage Summary
Fiscal Years 2013-2017
(Metric Revenue Tons)⁽¹⁾**

	<i>Fiscal Year Ending 9/30</i>				
	<i>2017</i>	<i>2016</i>	<i>2015</i>	<i>2014</i>	<i>2013</i>
MUNICIPAL BERTHS					
<i>Inbound Cargo</i>					
Foreign	99,468	93,928	98,464,085	104,245,298	101,026,699
Coastwise/InterCoastal	30,977	29,009	26,060,757	17,998,456	18,476,723
Total Inbound Cargo	130,445	122,937	124,524,842	122,243,754	119,503,422
<i>Outbound Cargo</i>					
Foreign	32,923	32,737	33,592,125	37,066,641	36,768,609
Coastwise/InterCoastal	3,258	3,996	4,843,410	5,348,303	5,141,434
Bunkers	1,474	1,653	1,313,215	866,945	843,291
Total Outbound Cargo	37,655	38,386	39,748,750	43,281,889	42,753,334
Total Municipal Cargo	168,100	161,323	164,273,592	165,525,643	162,256,756
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	168,100	161,323	164,274	1,031,604	162,257
Inbound/Outbound Summary					
Total Inbound Cargo	130,445	122,937	124,524,842	122,243,754	119,503,422
Total Outbound Cargo	37,655	38,386	39,748,750	43,281,889	42,753,334
Container Count in TEUs ⁽²⁾	7,231	6,946	7,087,699	6,817,590	6,647,975

⁽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.

**Harbor Department
Cargo Summary
Fiscal Years 2015-2017
(In \$000's)**

	<i>Fiscal Year Ending 9/30</i>											
	<i>2017</i>				<i>2016</i>				<i>2015</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>	<i>Metric Revenue Tons</i>	<i>% of Total Tons</i>	<i>Revenue ⁽¹⁾</i>	<i>% of Shipping Revenue</i>
Containerized	127,115	76%	\$ 291,421	79%	123,014	76%	\$ 274,732	79%	125,285	76%	\$ 269,886	79%
Dry Bulk	7,170	4	34,719	8	6,028	4	29,389	8	7,029	4	29,253	9
General Cargo	1,187	1	20,221	8	1,107	1	26,874	8	1,140	1	26,696	8
Petroleum/Liquid Bulk	32,628	19	18,126	5	31,174	19	17,177	5	31,000	19	17,299	5
Totals	168,100	100%	\$ 364,486	100%	161,323	100%	\$ 348,172	100%	164,454	100%	\$ 343,134	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.

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⁾
2018	\$ 95,211,349
2019	409,845,275
2020	65,947,500
2021	65,917,850
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	\$1,389,700,274

⁽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 \$325 million of Series 2014C Senior Notes due on November 15, 2018, 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, Dated June 3, 2015

**Long Beach Marine Bureau
Slip Sizes and Current Rates
As of October 1, 2017**

<i>Slip Size in Feet</i>	<i>Monthly Rate (\$)</i>
15	\$148.08
20	196.48
25	300.11
30	441.93
35	563.23
40	698.28
45	822.41
50	941.06
55	1,110.18
60	1,211.14
65	1,359.79
70	1,507.89
75	1,670.76
80	1,833.03
85	2,008.93
90	2,184.88
95	2,374.40
100	2,563.98
105	2,767.19
110	2,970.47
115	3,187.30
120	3,404.13

**Long Beach Marine Bureau
Total Slip Revenue
Fiscal Years 2013-2017**

	<i>Fiscal Year Ending 9/30</i>				
	2017	2016	2015	2014	2013
Marina					
Alamitos Bay	\$8,617,696	\$7,735,726	\$7,695,523	\$8,569,541	\$7,767,353
Shoreline	10,916,306	10,105,304	10,050,871	10,283,591	10,224,341
Rainbow	703,203	605,188	586,755	575,704	601,515
Total	\$20,237,206	\$18,446,219	\$18,333,149	\$19,428,836	\$18,593,209

**Long Beach Marine Bureau
Total Rental and Concession Revenue
Fiscal Years 2013-2017**

	<i>Fiscal Year Ending 9/30</i>				
	2013	2014	2015	2016	2017
Source					
Rentals/Concessions	\$ 1,210,491	\$ 1,401,821	\$ 1,381,037	\$ 1,593,770	\$ 1,455,531
Miscellaneous Revenue	364,924	348,357	456,351	435,744	523,876
Total	\$ 1,575,415	\$ 1,750,178	\$ 1,837,388	\$ 2,029,514	\$ 1,979,407

**Long Beach Marine Bureau
Historical Occupancy Rate by Slip Size
Fiscal Years 2013-2017**

	<i>Slip Size (in feet)</i>								
Year	20	25	30	35	40	45	50	55+	Total
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
2013	100	94	96	99	100	99	100	100	99

**Long Beach Marine Bureau
Length of Waiting List by Slip Size
Fiscal Years 2013-2017**

	<i>Slip Size (in feet)</i>									
Year	15	20	25	30	35	40	45	50	55+	Total
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
2013		21	9	0	2	10	11	18	42	113

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

	<u>2016</u>	<u>2017</u>
GROSS REVENUES		
Slip Revenue		
Alamitos Bay Marina	\$7,735,726	\$8,617,696
Shoreline Marina	10,105,304	10,916,306
Rainbow Marina	605,188	703,203
Total Slip Revenue	<u>18,446,219</u>	<u>20,237,206</u>
Other Revenue	2,035,766	1,979,350
Total Gross Revenue	\$20,481,985	\$22,216,556
EXPENSES ⁽³⁾		
Maintenance	\$4,055,818	\$4,158,889
Parks & Recreation Operations	4,773,903	5,135,546
Security	2,452,322	2,366,018
Marine Safety/Lifeguards	1,862,685	1,832,125
Other	576,900	730,531
Total Expenses	\$13,721,628	\$14,223,109
Net Revenues	\$6,760,357	\$7,993,447
Debt Service	\$5,352,264	\$5,633,963
Debt Service Coverage	<u>1.26</u>	<u>1.42</u>
Net Revenue After Debt Service:	\$1,408,093	\$2,359,484

Source: Long Beach Marine Bureau.

**Southeast Resource Recovery
Facility (SERRF) Authority**

1. Southeast Resource Recovery Facility Authority Lease Revenue Bonds, Series 2003A (Non-AMT), \$89,025,000, Dated: November 12, 2003
2. Southeast Resource Recovery Facility Authority Lease Revenue Bonds, Series 2003B (AMT), \$31,210,000, Dated: November 12, 2003

**SERRF Authority
Refuse Processed and Energy Sold to Southern California Edison
Fiscal Years 2013-2017**

<i>Fiscal Year Ending 9/30</i>	<i>Refuse Processed (Tons)</i>	<i>Energy Sold to Edison (KWH)</i>
2017	426,430	201,438,480
2016	417,169	158,418,756
2015	447,535	200,994,036
2014	460,778	223,657,704
2013	470,570	226,591,560

**SERRF Authority
Electric and Refuse Revenues
Fiscal Years 2013-2017**

<i>Fiscal Year Ending 9/30</i>	<i>Refuse</i>		<i>Electricity</i>		<i>Total Revenue (\$)</i>
	<i>Received (tons)</i>	<i>Revenue (\$)</i>	<i>KWH Sold</i>	<i>Revenue (\$)</i>	
2017	426,430	25,332,581	201,438,480	22,378,619	47,711,200
2016	417,169	22,834,654	158,418,756	18,259,413	41,094,067
2015	447,535	23,207,614	200,994,036	22,653,116	45,860,730
2014	460,778	22,532,851	223,657,704	24,603,392	47,136,243
2013	470,570	21,358,330	226,591,560	24,947,625	46,305,955

SERRF Authority
Annual Opening Operating Fund Balance
(In \$000's)

The Operating Fund of the Facility must begin each year with the amount set forth in the following schedule under the Joint Powers Agreement before any Net Facility Revenue transfers can occur. This opening Operating Fund balance serves as the operating reserve for the Facility.

<i>Fiscal Year Ending 9/30</i>	<i>Opening Fund Balance (\$)</i>
2017	\$20,000

Source: SERRF - Joint Powers Authority.

Water Department

1. City of Long Beach, California Second Lien Water Revenue Bonds Series 2012A, \$9,850,000, Dated: August 30, 2012
2. City of Long Beach, California Water Revenue Refunding Bonds, Series 2010A, \$22,740,000, Dated: September 28, 2010

Water Department Water Production Fiscal Years 2013-2017

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>
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
2013	31,074	28,383	59,457	6,644	66,101

Note: Prior years are restated.

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

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

Source: City of Long Beach - Water Department.

Water Department Sales of Water Fiscal Years 2013-2017

	<i>Fiscal Year Ending 9/30</i>				
	<i>2017</i>	<i>2016</i>	<i>2015</i>	<i>2014</i>	<i>2013</i>
Volume (Millions/Gallons) ⁽¹⁾	20,325	21,086	20,931	23,145	22,772
REVENUES (\$000's)					
Water Sales ⁽²⁾	\$ 64,721	\$ 63,658	\$ 61,995	\$ 67,818	\$ 64,347
Service Charges	24,599	23,121	22,061	21,548	20,363
Other	8,063	10,871	15,420	10,821	7,239
Total Operating Revenue	\$ 97,383	\$ 97,650	\$ 99,476	\$ 100,187	\$ 91,949

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
Summary of Water Revenues and Expenses
Fiscal Years 2013-2017
(In \$000's)

	<i>Fiscal Year Ending 9/30</i>				
	<u>2017⁽¹⁾</u>	<u>2016</u>	<u>2015</u>	<u>2014</u>	<u>2013</u>
OPERATING REVENUE					
Metered Water Sales ⁽²⁾	\$ 61,383	\$ 59,640	\$ 58,895	\$ 64,420	\$ 61,306
Reclaimed Water Sales	3,338	4,018	3,100	3,398	3,041
Service Charges	24,599	23,121	22,061	21,548	20,363
Other	<u>8,063</u>	<u>10,871</u>	<u>15,420</u>	<u>10,821</u>	<u>7,239</u>
Total Operating Revenue	\$ 97,383	\$ 97,650	\$ 99,476	\$ 100,187	\$ 91,949
EXPENSES ⁽³⁾					
Purchased Water	25,375	28,744	42,178	34,378	29,753
Operations & Maintenance ⁽⁴⁾	<u>52,646</u>	<u>51,315</u>	<u>49,217</u>	<u>47,388</u>	<u>46,464</u>
Total Operating Expenses	\$ 78,021	\$ 80,059	\$ 91,395	\$ 81,766	\$ 76,217
Net Revenues	\$ 19,362	\$ 17,591	\$ 8,081	\$ 18,421	\$ 15,732
Debt Service - Senior	2,988	2,990	2,994	2,986	2,989
Subordinate Net Revenues	\$ 16,374	\$ 14,145	\$ 5,086	\$ 15,435	\$ 12,743
Debt Service – Subordinate	904	904	906	901	605
Coverage					
Senior	6.48x	5.73x	2.70x	6.17x	5.26x
Subordinate	18.11x	15.65x	5.61x	17.13x	21.06x
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 Department

1. City of Long Beach, California Senior Sewer Revenue Refunding Bonds, Series 2016A, \$9,830,000, Dated: September 7, 2016

Sewer Enterprise Sewer Enterprise Connections

<i>Fiscal Year</i>	<i>Residential</i>	<i>Other*</i>	<i>Total</i>
2013	80,510	7,133	87,643
2014	78,903	6,374	85,277
2015	79,362	6,476	85,838
2016	79,058	6,805	85,863
2017	77,338	6,028	83,366

* Commercial and Industrial

Source: City of Long Beach - Water Department.

Sewer Enterprise Largest Sewer Enterprise Customers Fiscal Year 2017 (In \$000's)

<i>Customer Business Category</i>	<i>Revenues</i>	<i>Percent of Total</i>
Government ⁽¹⁾	\$424	3.62%
Education	212	0.86
Education	109	1.22
Healthcare	85	0.95
Education	54	0.23
Healthcare	32	0.28
Manufacturing	31	0.33
Manufacturing	28	0.15
Manufacturing	27	0.10
Government	22	0.12
Top Ten Total	1,024	7.86
Total All Other Users	17,078	92.14
Total Sewer Enterprise	18,102	100.00

⁽¹⁾ Includes City departments.

Source: City of Long Beach - Water Department.

**Sewer Enterprise
Service Volumetric Charges**

<i>Effective Date (October 1)</i>	<i>Volumetric Rate Charges⁽¹⁾</i>
2013	0.347
2014	0.361
2015	0.375
2016	0.390
2017 ⁽²⁾	0.390

⁽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
Service Daily Service Charges**

<i>Effective Date (October 1)</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>
2013	0.250	0.396	0.721	1.046	2.164	3.428	6.315	9.920	16.229	19.838	32.462
2014	0.260	0.412	0.750	1.088	2.251	3.565	6.568	10.317	16.878	20.632	33.760
2015	0.270	0.428	0.780	1.132	2.341	3.708	6.831	10.730	17.553	21.457	35.110
2016	0.281	0.445	0.811	1.177	2.435	3.856	7.104	11.159	18.255	22.315	36.514
2017 ⁽²⁾	0.270	0.428	0.780	1.132	2.341	3.708	6.831	10.730	17.533	21.457	35.110

⁽¹⁾ Normal residential size.

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

Source: City of Long Beach – Water Department.

Summary of Sewer Enterprise Operating Revenues and Expenses
Fiscal Years 2013-2017
(In \$000's)

	<i>Fiscal Year Ending 9/30</i>				
	<i>2017⁽¹⁾</i>	<i>2016</i>	<i>2015</i>	<i>2014</i>	<i>2013</i>
OPERATING REVENUES					
Volumetric Charges ⁽²⁾	\$ 6,233	\$ 6,282	\$ 6,241	\$ 6,431	\$ 6,303
Service Charges	11,870	11,427	10,916	10,637	10,477
Maintenance Services	86	86	86	86	86
Other	<u>1,760</u>	<u>559</u>	<u>660</u>	<u>799</u>	<u>445</u>
Total Operating Revenue	\$ 19,949	\$ 18,355	\$ 17,903	\$ 17,953	\$ 17,311
Expenses⁽³⁾					
Personal Services	3,520	3,916	4,021	4,043	4,122
Operations & Maintenance ⁽⁴⁾	<u>9,225</u>	<u>9,680</u>	<u>9,993</u>	<u>9,475</u>	<u>9,246</u>
Total Operating Expenses	\$ 12,745	\$ 13,596	\$ 14,014	\$ 13,518	\$ 13,368
Net Operating Income	\$ 7,204	\$ 4,759	\$ 3,889	\$ 4,435	\$ 3,943
Net Non-Operating Income/(Expense)	\$ (969)	\$ 14	\$ (208)	\$ (434)	\$ (761)
Amount Available for Debt Service	\$ 6,235	\$ 4,773	\$ 3,681	\$ 4,001	\$ 3,182
Debt Service ⁽⁵⁾	725	828	79	76	54
Coverage	8.60x	5.76x	46.59x	52.64x	58.93x

(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 and other non-cash items.

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

(5) Prior to FY 2016, Debt service includes interest payments only previously paid on Subordinate Obligations pursuant to the Credit Agreement. In FY 2016, 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, 2017**

Revenue Bonds

<i>Bond Issue</i>	<i>Final Maturity</i>	<i>Original Par Amount (\$)</i>	<i>Amount Outstanding (\$)</i>
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	9,370,000
City of Long Beach, Marina Revenue Bonds, Series 2015 (Alamitos Marina Project) ⁽³⁾	2045	114,015,000	114,015,000
City of Long Beach, Harbor Revenue Refunding Bonds, Series 2015A(AMT) and B (Non-AMT) ⁽⁴⁾	2025	64,975,000	63,560,000
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 2014A(AMT) and B (Non-AMT) ⁽⁵⁾	2027	59,035,000	17,180,000
City of Long Beach, Harbor Revenue Short-term Notes, Series 2014C	2018	325,000,000	325,000,000
LBBFA, Revenue Refunding Bonds, Series 2012 (Aquarium of the Pacific Project) ⁽⁶⁾	2030	102,580,000	81,585,000
City of Long Beach, Second Lien Water Revenue Bonds, Series 2012A ⁽⁷⁾	2027	98,580,000	7,265,000
City of Long Beach, Harbor Revenue Bonds, Series 2010A and B (Refunding) ⁽⁸⁾	2027	358,920,000	251,775,000
City of Long Beach, Water Revenue Refunding Bonds, Series 2010A ⁽⁹⁾	2024	22,740,000	17,645,000
City of Long Beach, Senior Airport Revenue Bonds, Series 2010A and B ⁽¹⁰⁾	2040	61,400,000	55,100,000
City of Long Beach, Senior Airport Revenue Bonds, Series 2009A and C ⁽¹¹⁾	2039	61,440,000	52,490,000
LBBFA, Natural Gas Purchase Revenue Bonds, Series 2007A and B ⁽¹²⁾	2037	887,360,000	591,665,000
City of Long Beach, Harbor Revenue Bonds, Series 1998A	2019	206,330,000	32,260,000

(1) Issued in November 2017. Amount outstanding is as of February 28, 2018.

(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) 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	\$ 12,080,000
Finance Authority of Long Beach, Lease Revenue Bonds, Series 2016B (Rainbow Harbor Refinancing Project) ⁽¹⁾	2023	19,115,000	16,255,000
Long Beach Bond Finance Authority, Lease Revenue Refunding Bonds, Series 2012A and B (Taxable) ⁽²⁾	2031	69,750,000	56,115,000
Long Beach Bond Finance Authority, Lease Revenue Bonds, Series 2006B (Parks/Open Space Financing Project)	2031	24,320,000	24,320,000
Southeast Resource Recovery Facility Authority Lease Revenue Bonds, Series 2003A (Non-AMT) and B (AMT) ⁽³⁾	2018	120,235,000	21,215,000
2010 Lease Agreement between Banc Of America Public Capital Corporation and the City of Long Beach ⁽⁴⁾	2027	31,450,000	21,050,000

⁽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	\$ 28,560,000
LBBFA, Tax Allocation Revenue Bonds, Series 2005C (Downtown and North Long Beach Redevelopment Project Areas) ⁽²⁾	2031	35,045,000	26,355,000
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.
- ⁽⁴⁾ 1992 Tax Allocation Revenue Bonds (West Long Beach and Downtown Project) matured in November 2017.

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	\$ 25,130,000

- ⁽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>
2018	\$ 5,815,000	\$ 1,301,734	\$ 7,116,734
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>
	\$ 25,130,000	\$ 3,336,438	\$ 28,466,438

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