



CITY OF NEW ORLEANS

Current State of Infrastructure Finance

January 19, 2016

City Operating Budget

SUMMARY OF PROPOSED 2016 BUDGET GENERAL FUND ONLY

ESTIMATED REVENUES

Taxes	355,571,688	59.99%
Licenses & Permits	58,792,788	9.92%
Intergovernmental	12,801,000	2.16%
Service Charges	83,617,361	14.11%
Fines & Forfeits	37,246,000	6.28%
Miscellaneous Revenues	10,365,050	1.75%
Other Financing Sources	34,337,250	5.79%
TOTAL REVENUES	\$592,731,137	100.00%

EXPENDITURES

Personal Services	351,989,565	59.38%
Other Operating	216,377,738	36.51%
Debt Service	24,363,834	4.11%
Grants, Contrib., & Fund Transfers	-	0.00%
TOTAL EXPENDITURES	\$592,731,137	100.00%

*Personal Services include salary, pension, healthcare, and other benefits.

<http://nola.gov/mayor/budget/documents/2016-proposed-operating-budget-book/>



DPW Operating Budget

DEPARTMENTAL BUDGET SUMMARY

PUBLIC WORKS

	Actual 2014	Adopted 2015	Proposed 2016	Variance 2015 - 2016
EXPENDITURES				
PERSONAL SERVICES	6,955,699	8,646,714	10,060,649	1,413,935
OTHER OPERATING	13,977,052	28,824,794	43,294,902	14,470,108
DEBT SERVICE	0	0	0	0
RESERVES	0	0	0	0
GRANTS, CONTRIB. & FUND TRAN.	0	0	0	0
TOTAL EXPENDITURES	\$20,932,751	\$37,471,508	\$53,355,551	\$15,884,043

SOURCE OF FUNDING

GENERAL FUND	19,855,746	28,340,768	26,599,363	(1,741,405)
WISNER FUNDS	0	0	0	0
ENTERPRISE	0	0	0	0
DOWNTOWN DEVELOPMENT DIST.	0	0	0	0
HOUSING AND URBAN DEVELOP.	0	6,434,119	4,534,119	(1,900,000)
SELF GENERATED, SPC REV., TRUST FUNDS	1,418,042	1,845,000	6,045,334	4,200,334
LIBRARY	0	0	0	0
LLE	0	0	0	0
FEDERAL GRANTS	(341,037)	851,621	16,176,735	15,325,114
STATE & LOCAL FOUNDATION GRANTS	0	0	0	0
GRANTS, CONTRIB., & FUND TRAN.	0	0	0	0
N. O. REGIONAL BUSINESS PARK	0	0	0	0
ECONOMIC DEVELOPMENT FUND	0	0	0	0
HOUSING IMPROVMENT FUND	0	0	0	0
TOTAL FUNDING	\$20,932,751	\$37,471,508	\$53,355,551	\$15,884,043

2016 Capital Budget*

Total Capital Budget= \$ 1,738,850,118.26

of that DPW Total =\$1,077,037,519.34

○ **Funding Sources:**

FEMA	\$648,216,734.17
S&WB (FEMA & Cost Share)	\$282,530,362.20
Bonds/MCAP	\$227,660,715.03
D-CDBG	\$134,000,332.38
State Aid	\$123,714,741.46
Revolver	\$103,119,049.06
Other/Local Funds	\$ 85,397,220.32
Federal Funds	\$ 53,617,325.60
Law Enforcement District	\$ 35,345,442.43
Anticipated FEMA	\$ 26,906,231.31
Insurance	\$ 16,231,304.09
Grants	\$ 2,010,660.21
Donation	\$ 100,000.00

Grand Total

\$1,738,850,118.26

* Carried forward from Previous Years
Projects that have not yet been closed out



Millage Collection

- Refer to handout from 2016 Operating Budget on Current Millage Collection
- Revenue Per Mill:
 - Homestead: \$3,070,142
 - Non Homestead: \$3,546,651
- Mills Collected from Board of Liquidation for General Obligation Debt
 - 25.5 Mills = \$78M



City General Obligation Bonds

- A *general obligation bond* is a of municipal *bond* that is secured by a state or local government's pledge to use legally available resources, including tax revenues, to repay *bond* holders.
- Interest on Debt dependent on Credit Rating.
 - Current Rating:
 - Standard & Poors = A+
 - Moody's = A3
 - Fitch= A-
- State Law allows for the City to issue up to 35% of Tax Assessment Rolls in debt.
- Tax Assessment Rolls 2016= \$3.5B
 - (35%= \$1.2B)
- Current debt issued \$536M
- Over the past 5 years the Board of Liquidation has issued debt that allowed the millage to remain unchanged



Current Debt Service

Over next 3-4 years
\$120M is the amount
that can allow General
Obligation Bond Millage
to remain unchanged*

* Unless natural or economic
disaster



Future Funding

- April 2016 General Obligation Ballot Measure for \$120M (Millage Unchanged)
 - Plan to issue \$50M in 2016 of that \$41M will be for following categories:
 - Minor Streets: \$20M
 - Major Streets: \$10M
 - Arterial Roadways: \$8M
 - Enhancements: \$3M
 - Plan to issue \$70M in 2018 of that \$59M will be for streets. Distribution of the funds will be prioritized through the Capital Improvement Plan.
- General Obligation Debt Service Falls substantially in 2022.
- Additional FEMA Funds from Settlement
 - DPW= \$1,120,882,769
 - SWB = \$128,986,034



Federal Funding

- **FEMA Public Assistance:** Funding may only be used to address Hurricane-related damage.
- **FEMA Hazard Mitigation Grant Program (HMGP):** provides funding to states and local governments to implement long term measures to mitigate future potential damages. Is awarded after the community has experienced a disaster.
- **Community Development Block Grant (CDBG):** Annual allocation is \$4.5M, down significantly from prior years. In 2016, all funds were allocated towards Housing & Public Services.
- **Disaster Community Development Block Grant (DCDBG):** Funding contingent on a declared disaster. All Hurricane Katrina funding has been allocated. \$5M of the DCDBG Hurricane Isaac funding will be used to repair drainage failures.



State Funding

- **Transportation Improvement Program (TIP):** The Regional Planning Commission adopts bi-annual TIP projects which consist of Priority Projects. In general, the City will pay 100% of the project Design and 20% of Construction Costs.
- **State Capital Outlay:** “Capital outlays” mean expenditures for acquiring lands, buildings, equipment, or other permanent properties, or for their preservation or development or permanent improvement. Competition for the limited funds available is tremendous. Annual applications for funding are due November 1st
- **Parish Transportation Fund:** ~\$2M annual allocation



Sewerage & Water Board of New Orleans



Information on Financial Capacity
Water and Sewer Systems
January 2016

Best Available Public Information is Board of Liquidation Website

Sewerage and Water Board recently issued revenue bonds for the water and sewer systems. As part of the Official Statements for those bond sales, long-term financial feasibility reports were prepared by an independent national consulting firm and are available at:

Water System

http://boardofliquidation.com/Financial_Reports/WRB%202015%20Final%20OS.pdf

Sewer System

http://boardofliquidation.com/Financial_Reports/SSRB%202015%20Final%20OS.pdf



Water, Sewer, and Drainage

Sewerage and Water Board of New Orleans can best be considered as a “holding company” of three independently-funded utilities: water, sewer, and drainage.

- ✓ Water rates fund the water system.
- ✓ Sewer rates fund the sewer system.
- ✓ A dedicated property tax funds the major drainage system.



Water and Sewer Rates

- A program of water and sewer rates were adopted in December 2012 which provided for eight annual increases of ten percent beginning in January 1, 2013.
- As a result, the operating and capital needs for the water and sewer systems are fully nearly funded through 2020.



Water System



Capital Funding Projections

	Fiscal Year				
	2016	2017	2018	2019	2020
Beginning Unspent Bond Proceeds	\$ 23,900,000	\$ 65,750,665	\$ 41,505,886	\$ 14,061,362	\$ 16,598,406
Sources of Funds					
Current Revenue Funded Capital	\$ 3,000,000	\$ 4,000,000	\$ 5,000,000	\$ 8,000,000	\$ 10,000,000
Revenue Bond Proceeds	112,686,122	40,000,000	40,000,000	25,000,000	25,000,000
Participation by Others	86,057,119	32,461,427	27,866,682	22,985,512	23,675,078
Total Sources	\$ 225,643,241	\$ 142,212,092	\$ 114,372,567	\$ 70,046,874	\$ 75,273,483
Uses of Funds					
Capital Improvement Program	\$ 151,142,714	\$ 96,706,207	\$ 96,311,205	\$ 50,948,468	\$ 55,762,563
Capitalized Interest Fund	2,250,695	-	-	-	-
Debt Issuance Costs	725,618	600,000	600,000	375,000	375,000
Debt Service Reserve Fund	5,773,550	3,400,000	3,400,000	2,125,000	2,125,000
Total Uses	\$ 159,892,577	\$ 100,706,207	\$ 100,311,205	\$ 53,448,468	\$ 58,262,563
Ending Unspent Bond Proceeds	\$ 65,750,665	\$ 41,505,886	\$ 14,061,362	\$ 16,598,406	\$ 17,010,920
Carryforward Bond Projects	\$ -	\$ -	\$ -	\$ -	\$ -



Sewerage and Water Board of New Orleans
 Water Revenue Bonds, Series 2015
 Forecast Statement of Revenues, Expenses, Debt, and Debt Service Coverage

	Fiscal Year					
	2015	2016	2017	2018	2019	2020
REVENUES						
Operating Revenues						
Water Sales and Delinquent Fees (1)	\$ 77,086,953	\$ 85,302,302	\$ 94,752,091	\$ 105,248,728	\$ 116,908,182	\$ 129,859,271
Planting and Inspection Fees	299,729	299,729	299,729	299,729	299,729	299,729
Subtotal: Water Sales and Fees	\$ 77,386,682	\$ 85,602,031	\$ 95,051,820	\$ 105,548,457	\$ 117,207,911	\$ 130,158,999
Other Revenues (2)	\$ 3,291,782	\$ 3,155,081	\$ 3,155,081	\$ 3,155,081	\$ 3,155,081	\$ 3,155,081
Additional Revenue (3)	-	-	-	-	-	-
Total Operating Revenues	\$ 80,678,463	\$ 88,757,112	\$ 98,206,901	\$ 108,703,538	\$ 120,362,992	\$ 133,314,080
Non-Operating Revenues	\$ 400,501	\$ 400,501	\$ 400,501	\$ 400,501	\$ 400,501	\$ 400,501
Total Non-operating Revenues	\$ 400,501	\$ 400,501	\$ 400,501	\$ 400,501	\$ 400,501	\$ 400,501
Total Revenues	\$ 81,078,964	\$ 89,157,613	\$ 98,607,402	\$ 109,104,039	\$ 120,763,493	\$ 133,714,581
Expenses						
Operating Expenses						
O&M Expenditures (4)	\$ 71,680,615	\$ 74,301,129	\$ 77,008,184	\$ 79,841,635	\$ 82,729,376	\$ 85,715,562
Depreciation & Amortization (5)	14,825,445	14,825,445	14,825,445	14,825,445	14,825,445	14,825,445
Provision for Bad Debt (6)	770,870	853,023	947,521	1,052,487	1,169,082	1,298,593
Total Operating Expenses	\$ 87,276,929	\$ 89,979,597	\$ 92,781,149	\$ 95,719,567	\$ 98,723,903	\$ 101,839,599
Net Revenues	\$ (6,197,965)	\$ (821,984)	\$ 5,826,253	\$ 13,384,472	\$ 22,039,590	\$ 31,874,982
Less: Transfers to Rate Stabilization	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Plus: Transfers from Rate Stabilization	-	-	-	-	-	-
Plus: Depreciation & Amortization	14,825,445	14,825,445	14,825,445	14,825,445	14,825,445	14,825,445
Plus: Provision for Bad Debt	-	-	-	-	-	-
Rate Covenant Net Revenues	\$ 8,627,479	\$ 14,003,461	\$ 20,651,697	\$ 28,209,916	\$ 36,865,035	\$ 46,700,427
Senior Debt Service - 2015 Issue						
Existing Debt	\$ 3,500,000	\$ 5,501,250	\$ 7,700,000	\$ 7,693,000	\$ 7,700,000	\$ 7,690,000
Series 2015 (7)	-	2,470,275	4,940,550	5,640,550	5,694,550	5,783,550
Total Senior Debt Service	\$ 3,500,000	\$ 7,971,525	\$ 12,640,550	\$ 13,333,550	\$ 13,394,550	\$ 13,473,550
Senior Debt Service Coverage - 2015 Issue	2.46	1.76	1.63	2.12	2.75	3.47
Senior Debt Service - Programmatic						
Historical 2015 Debt Service	\$ 3,500,000	\$ 7,971,525	\$ 12,640,550	\$ 13,333,550	\$ 13,394,550	\$ 13,473,550
Projected Future Bonds (8)	-	-	-	3,027,437	6,054,874	7,947,023
Total Senior Debt Service	\$ 3,500,000	\$ 7,971,525	\$ 12,640,550	\$ 16,360,987	\$ 19,449,424	\$ 21,420,573
Senior Debt Service Coverage - Programmatic (9)	2.46	1.76	1.63	1.72	1.90	2.18
Total Debt Service Requirements	\$ 3,500,000	\$ 7,971,525	\$ 12,640,550	\$ 16,360,987	\$ 19,449,424	\$ 21,420,573
Total Debt Service Coverage (10)	2.46	1.76	1.63	1.72	1.90	2.18
Rate Covenant Net Revenues	\$ 8,627,479	\$ 14,003,461	\$ 20,651,697	\$ 28,209,916	\$ 36,865,035	\$ 46,700,427
Less: Transfers from Rate Stabilization	-	-	-	-	-	-
Less: Grants	-	-	-	-	-	-
Adjusted Rate Covenant Net Revenues	\$ 8,627,479	\$ 14,003,461	\$ 20,651,697	\$ 28,209,916	\$ 36,865,035	\$ 46,700,427
Total Debt Service Coverage on Adjusted Rate Covenant Net Revenues (11)	2.46	1.76	1.63	1.72	1.90	2.18
Revenue after Debt Service	\$ 5,127,479	\$ 6,031,936	\$ 8,011,147	\$ 11,848,929	\$ 17,415,610	\$ 25,279,854
Less: GO Zone Repayment	\$ 640,836	\$ 640,836	\$ 640,836	\$ 640,836	\$ 640,836	\$ 640,836
Less: Revenue Funded Capital	3,000,000	3,000,000	4,000,000	5,000,000	8,000,000	10,000,000
Less: Repayments	3,891,044	2,186,000	436,000	436,000	-	-
Total Income/(Deficit)	(2,404,400)	205,100	2,934,312	5,772,094	8,774,775	14,639,019
Ending Balance of Available Funds	\$ 25,500,000	\$ 26,558,123	\$ 30,439,956	\$ 37,264,537	\$ 47,208,394	\$ 63,146,005
<i>Days of Cash on Hand</i>	130	130	144	170	208	269

Projected Debt Issuances

	Series 2016 Bonds	Series 2017 Bonds	Series 2018 Bonds	Series 2019 Bonds	Series 2020 Bonds
Net Proceeds	\$40,000,000	\$40,000,000	\$25,000,000	\$25,000,000	\$0
Capitalized Interest (1 yr)	\$4,400,000	\$4,400,000	\$2,750,000	\$2,750,000	\$0
Cost of Issuance	\$600,000	\$600,000	\$375,000	\$375,000	\$0
Debt Service Reserve Fund	\$3,400,000	\$3,400,000	\$2,125,000	\$2,125,000	\$0
Total	\$48,400,000	\$48,400,000	\$30,250,000	\$30,250,000	\$0

	Principal	Interest	Total	Principal	Interest	Total	Grand Total									
2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
2018	743,702	2,588,479	3,330,181	--	--	--	--	--	--	--	--	--	--	--	--	3,330,181
2019	784,606	2,545,575	3,330,181	784,606	2,545,575	3,330,181	--	--	--	--	--	--	--	--	--	6,660,362
2020	827,759	2,502,422	3,330,181	827,759	2,502,422	3,330,181	517,349	1,564,014	2,081,363	--	--	--	--	--	--	8,741,725
2021	873,286	2,456,895	3,330,181	873,286	2,456,895	3,330,181	545,804	1,535,559	2,081,363	545,804	1,535,559	2,081,363	--	--	--	10,823,088
2022	921,316	2,408,864	3,330,181	921,316	2,408,864	3,330,181	575,823	1,505,540	2,081,363	575,823	1,505,540	2,081,363	0	0	0	10,823,088





Sewer System

Capital Funding Projections

	Fiscal Year				
	2016	2017	2018	2019	2020
Beginning Unspent Bond Proceeds	\$ -	\$ 41,048,044	\$ 32,831,339	\$ 30,017,796	\$ 8,434,136
Sources of Funds					
Current Revenue Funded Capital	\$ 8,000,000	\$ 13,000,000	\$ 15,000,000	\$ 20,000,000	\$ 25,000,000
Revenue Bond Proceeds	112,826,410	40,000,000	40,000,000	50,000,000	40,000,000
Participation by Others	35,030,016	8,726,094	8,894,318	8,780,061	1,164,902
Total Sources	\$ 155,856,426	\$ 102,774,138	\$ 96,725,658	\$ 108,797,857	\$ 74,599,038
Uses of Funds					
Capital Improvement Program	\$ 87,874,994	\$ 65,942,799	\$ 62,707,862	\$ 95,363,721	\$ 21,194,811
Capitalized Interest Fund	-	-	-	-	-
Reimbursement of Expended Funds	18,300,000				
Debt Issuance Costs	725,528	600,000	600,000	750,000	600,000
Debt Service Reserve Fund	7,907,860	3,400,000	3,400,000	4,250,000	3,400,000
Total Uses	\$ 114,808,382	\$ 69,942,799	\$ 66,707,862	\$ 100,363,721	\$ 25,194,811
Ending Unspent Bond Proceeds	\$ 41,048,044	\$ 32,831,339	\$ 30,017,796	\$ 8,434,136	\$ 49,404,227
Carryforward Bond Projects - Cumulative	25,170,741	52,500,141	76,451,916	98,550,976	122,230,976



Sewerage and Water Board of New Orleans
 Sewerage Revenue Bonds, Series 2015
 Forecast Statement of Revenues, Expenses, Debt Service, and Debt Service Coverage

	Fiscal Year					
	2015	2016	2017	2018	2019	2020
Revenues						
Operating Revenues						
Sewer Sales (1)	\$ 94,729,026	\$ 104,824,535	\$ 116,436,997	\$ 129,335,888	\$ 143,663,717	\$ 159,578,784
Planting inspection & license fees	299,729	326,081	326,081	326,081	326,081	326,081
Subtotal Sewer Sales and Fees	\$ 95,028,755	\$ 105,150,616	\$ 116,763,078	\$ 129,661,969	\$ 143,989,799	\$ 159,904,865
Other Revenues	\$ 428,190	\$ 597,321	\$ 597,321	\$ 597,321	\$ 597,321	\$ 597,321
Additional Revenue (2)	-	-	-	-	-	-
Total Operating Revenues	\$ 95,456,945	\$ 105,747,937	\$ 117,360,399	\$ 130,259,290	\$ 144,587,119	\$ 160,502,186
Non-Operating Revenue	\$ 470,944	\$ 462,061	\$ 462,061	\$ 462,061	\$ 462,061	\$ 462,061
FEMA O&M Expense Reimbursements (3)	-	-	-	-	-	-
Total Non-operating Revenues	\$ 470,944	\$ 462,061				
Total Revenues	\$ 95,927,889	\$ 106,209,998	\$ 117,822,460	\$ 130,721,350	\$ 145,049,180	\$ 160,964,247
Expenses						
Operating Expenses						
O&M Expenditures (4)	\$ 55,868,190	\$ 58,767,884	\$ 62,085,412	\$ 65,790,370	\$ 69,614,354	\$ 71,586,452
Depreciation & Amortization (5)	14,299,824	14,299,824	14,299,824	14,299,824	14,299,824	14,299,824
Provision for Bad Debt (6)	947,290	1,048,245	1,164,370	1,293,359	1,436,637	1,595,788
Total Operating Expenses	\$ 71,115,304	\$ 74,115,953	\$ 77,549,606	\$ 81,383,553	\$ 85,350,815	\$ 87,482,064
Net Revenues	\$ 24,812,584	\$ 32,094,044	\$ 40,272,853	\$ 49,337,797	\$ 59,698,365	\$ 73,482,183
Less: Transfers to Rate Stabilization	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Plus: Transfers from Rate Stabilization	-	-	-	-	-	-
Plus: Depreciation & Amortization	14,299,824	14,299,824	14,299,824	14,299,824	14,299,824	14,299,824
Rate Covenant Net Revenues	\$ 39,112,408	\$ 46,393,868	\$ 54,572,677	\$ 63,637,621	\$ 73,998,189	\$ 87,782,007
Senior Debt Service - 2015 Issue						
Existing Debt Service	\$ 16,394,613	\$ 18,538,060	\$ 19,806,489	\$ 18,139,057	\$ 16,713,963	\$ 16,730,455
Series 2015 (7)	-	4,777,778	5,000,000	5,000,000	5,000,000	5,000,000
Total Senior Debt Service	\$ 16,394,613	\$ 23,315,838	\$ 24,806,489	\$ 23,139,057	\$ 21,713,963	\$ 21,730,455
Senior Debt Service Coverage - 2015 Issue	2.30	1.99	2.20	2.75	3.41	4.04
Senior Debt Service - Programmatic						
Existing & 2015 Debt Service	16,394,613	23,315,838	24,806,489	23,139,057	21,713,963	21,730,455
Projected Future Bonds (8)	-	-	3,027,437	6,054,874	9,839,171	12,866,608
Total Senior Debt Service	\$ 16,394,613	\$ 23,315,838	\$ 27,833,926	\$ 29,193,931	\$ 31,553,133	\$ 34,597,063
Senior Debt Service Coverage - Programmatic (9)	2.30	1.99	1.96	2.18	2.35	2.54
Total Debt Service Requirements	\$ 16,394,613	\$ 23,315,838	\$ 27,833,926	\$ 29,193,931	\$ 31,553,133	\$ 34,597,063
Total Debt Service Coverage (10)	2.30	1.99	1.96	2.18	2.35	2.54
Rate Covenant Net Revenues	\$ 39,112,408	\$ 46,393,868	\$ 54,572,677	\$ 63,637,621	\$ 73,998,189	\$ 87,782,007
Less: Transfers from Rate Stabilization	-	-	-	-	-	-
Less: Grants	-	-	-	-	-	-
Adjusted Rate Covenant Net Revenues	\$ 39,112,408	\$ 46,393,868	\$ 54,572,677	\$ 63,637,621	\$ 73,998,189	\$ 87,782,007
Total Debt Service Coverage on Adjusted Rate Covenant Net Revenues (11)	2.30	1.99	1.96	2.18	2.35	2.54
Revenue after Debt Service	\$ 22,717,795	\$ 23,078,031	\$ 26,738,752	\$ 34,443,690	\$ 42,445,056	\$ 53,184,944
Less: GO Zone Repayment	\$ 6,233,582	\$ 6,233,582	\$ 6,233,582	\$ 6,233,582	\$ 6,233,582	\$ 6,233,582
Less: Revenue Funded Capital	14,000,000	8,000,000	13,000,000	15,000,000	20,000,000	25,000,000
Less: Repayments	2,911,000	2,911,000	486,000	-	-	-
Total Income/(Deficit)	\$ (426,787)	\$ 5,933,449	\$ 7,019,170	\$ 13,210,108	\$ 16,211,474	\$ 21,951,362
Ending Balance of Available Funds	\$ 43,500,000	\$ 50,781,694	\$ 58,665,234	\$ 73,168,701	\$ 90,816,812	\$ 114,363,961
<i>Days of Cash on Hand</i>	384	314	345	406	476	583

Projected Debt Issuances

	Series 2016 Bonds	Series 2017 Bonds	Series 2018 Bonds	Series 2019 Bonds	Series 2020 Bonds
Net Proceeds	\$40,000,000	\$40,000,000	\$50,000,000	\$40,000,000	\$20,000,000
Capitalized Interest	\$0	\$0	\$0	\$0	\$0
Cost of Issuance	\$600,000	\$600,000	\$750,000	\$600,000	\$300,000
Debt Service Reserve Fund	\$3,400,000	\$3,400,000	\$4,250,000	\$3,400,000	\$1,700,000
Total	\$44,000,000	\$44,000,000	\$55,000,000	\$44,000,000	\$22,000,000

	<u>Principal</u>	<u>Interest</u>	<u>Total</u>	<u>Grand Total</u>												
2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
2018	676,093	2,351,344	3,027,437	--	--	--	--	--	--	--	--	--	--	--	--	3,027,437
2019	713,278	2,314,159	3,027,437	713,278	2,314,159	3,027,437	--	--	--	--	--	--	--	--	--	6,054,874
2020	752,508	2,274,929	3,027,437	752,508	2,274,929	3,027,437	940,835	2,843,861	3,784,296	--	--	--	--	--	--	9,839,171
2021	793,896	2,233,541	3,027,437	793,896	2,233,541	3,027,437	992,370	2,791,926	3,784,296	793,896	2,233,541	3,027,437	--	--	--	12,866,608
2022	837,580	2,189,877	3,027,437	837,580	2,189,877	3,027,437	1,046,950	2,737,346	3,784,296	837,580	2,189,877	3,027,437	48,780	1,094,938	1,513,719	14,380,326



An aerial photograph of a city grid with a river winding through it. The top portion of the image shows mangrove trees with their roots reflected in the water. The rest of the image shows a blue-tinted grid of streets and a river.

Greater New Orleans
Urban Water Plan

Vision

Waggoner & Ball *Architects*

September 2013

Drainage System

Major and Minor Drainage Systems

- Sewerage and Water Board is responsible for the **major** drainage system of pipes 36" and larger, and canals.
- Department of Public Works is responsible for the **minor** drainage system of pipes smaller than 36" and catch basins.
- The **minor** drainage system is frequently referred to as the **street** drainage system.
- The minor drainage system is predominantly underneath the streets while the major drainage system is predominantly in the neutral grounds.



Working Together

Sewerage and Water Board and Department of Public Works are collaborating to design and construct improvements to the water, sewer, and drainage systems within single projects in order to minimize costs and disruptions and maximize the utilization of federal funds.



Drainage System Funding Availability

The major drainage system is funded by three dedicated property tax mills:

- Three Mill Tax (Adjusted) – 4.46 mills LA
Revised Statue 33:4124
- Six Mill Tax (Adjusted) – 4.50 mills LA
Revised Statue 33:4137
- Nine Mill Tax (Adjusted) – 6.75 mills LA
Revised Statue 33:4147



Drainage System Funding Availability

- 4.46 mills provides \$16.1 million thru 2016
- 4.50 mills provides \$16.2 million thru 2026
- 6.75 mills provides \$20.4 million thru 2031

It is crucially important that the millage currently scheduled to expire at the end of 2016, be extended.



Drainage System

Additional Funding Needs

- Operations and maintenance of Permanent Pump Stations at Lakefront.
- Repayment of SELA Canals obligations.
- Green infrastructure elements of Greater New Orleans Urban Water Plan.
- Deferred maintenance and capital improvements of major and minor drainage systems.



Drainage Financial Plan

**Timing and amounts of
additional funding needs
to be confirmed
by financial plan study
in 2016.**



Drainage System Funding

Existing millages will need to be extended and remain in place

and

A new millage will need to be established

or

A new drainage service fee to be charged to all property owners will need to be established.

