

**SEWERAGE & WATER BOARD
OF NEW ORLEANS**



**ADOPTED 2016 CAPITAL BUDGET &
2016 – 2025 CAPITAL PROGRAM**

Sewerage & Water Board of New Orleans
2016 Adopted Capital Budget and 2016-2025 Capital Program
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SEWERAGE & WATER BOARD OF NEW ORLEANS
 TEN YEAR CAPITAL PROGRAM (2016 - 2025)
 SUMMARY BY DEPARTMENTS (X \$1000)

	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	TOTAL TEN-YEAR PROGRAM
WATER DEPARTMENT											
Waterworks	\$98,024	\$47,048	\$59,352	\$25,618	\$27,735	\$26,505	\$37,545	\$121,120	\$134,770	\$124,895	\$702,612
Water Distribution	10,765	10,785	10,835	10,660	10,660	10,685	10,685	11,385	11,385	11,385	109,230
Prorata of Power Projects	16,852	12,369	5,572	280	630	3,430	280	280	280	280	40,253
Water Reserve for Emergencies	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	20,000
Prorata of General Budget Items	23,502	19,871	9,321	8,066	8,519	8,813	9,324	7,366	7,452	7,391	109,625
TOTAL WATER DEPARTMENT	\$151,143	\$92,073	\$87,080	\$46,624	\$49,544	\$51,433	\$59,834	\$142,151	\$155,887	\$145,951	\$981,720
TOTAL WATER FUNDS AVAILABLE	\$151,143										
TOTAL WATER FUNDS UNFUNDED	\$0										
SEWERAGE DEPARTMENT											
Sewerage System	\$77,975	\$66,695	\$62,585	\$94,911	\$31,785	\$23,702	\$33,193	\$36,730	\$42,995	\$42,620	\$513,191
Sewerage Treatment	9,885	5,185	7,740	5,435	850	2,500	0	0	650	7,000	39,245
Prorata of Power Projects	10,587	8,133	2,448	90	490	40	40	40	40	40	21,948
Sewer Reserve for Emergencies	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	20,000
Prorata of General Budget Items	12,599	9,338	8,288	6,934	7,386	7,382	8,257	6,596	6,353	6,292	79,425
TOTAL SEWERAGE DEPARTMENT	\$113,046	\$91,351	\$83,061	\$109,370	\$42,511	\$35,624	\$43,490	\$45,366	\$52,038	\$57,952	\$673,809
TOTAL SEWERAGE FUNDS AVAILABLE	\$113,046										
TOTAL SEWERAGE FUNDS UNFUNDED	\$0										
DRAINAGE DEPARTMENT											
Canals	\$15,789	\$80,423	\$109,890	\$118,358	\$5,090	\$5,090	\$5,110	\$5,110	\$5,360	\$18,430	\$368,650
Pumping Stations	24,457	59,893	44,608	26,020	4,140	35,930	3,880	22,371	39,429	55,515	316,243
Prorata of Power Projects	61,212	31,000	11,418	5,015	12,180	18,380	14,980	1,480	1,480	1,480	158,625
Drainage Reserve for Emergencies	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	20,000
Prorata of General Budget Items	11,459	6,214	4,862	4,376	4,557	4,377	6,452	4,540	4,499	4,215	55,551
TOTAL DRAINAGE DEPARTMENT	\$114,917	\$179,530	\$172,778	\$155,769	\$27,967	\$65,777	\$32,422	\$35,501	\$52,768	\$81,640	\$919,069
TOTAL DRAINAGE FUNDS AVAILABLE	\$72,632										
TOTAL DRAINAGE FUNDS UNFUNDED	\$42,285										
TOTAL CAPITAL PROJECTS REQUESTED	\$379,106	\$362,954	\$342,919	\$311,763	\$120,022	\$152,834	\$135,746	\$223,018	\$260,693	\$285,543	\$2,574,598
TOTAL FUNDS AVAILABLE	\$336,821										

NOTE: All budget components have been rounded to thousands.
 07-Dec-15

SEWERAGE AND WATER BOARD OF NEW ORLEANS
 TEN-YEAR CAPITAL PROGRAM ALLOCATED BETWEEN
 WATER, SEWER, AND DRAINAGE
 GENERAL BUDGET ITEMS (x \$1000)

C.P.# GENERAL BUDGET ITEMS	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	TOTAL TEN-YEAR PROGRAM
800 Property Acquisition	\$500	\$500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	1,000
803 Property Acquisition	100	100	100	100	100	100	100	100	100	100	1,000
807 Improvements to Central Yard & St. Joseph Street	11,078	1,924	175	0	33	330	1,057	1,649	990	990	18,226
808 Improvement to Customer Service Satellite	100	500	0	0	0	0	0	0	0	0	600
810 Major Equipment Purchases	1,236	1,230	1,236	1,230	1,236	1,280	1,329	1,329	1,329	1,330	12,765
811 Plant Stationary Equipment	300	100	100	100	100	100	100	100	100	80	1,180
812 Computer Systems Development	5,959	5,166	3,144	148	218	127	218	128	219	127	15,454
820 Overhead Charged to Capital	8,913	8,913	8,913	8,913	8,913	8,913	8,913	8,913	8,913	8,913	89,130
823 Purchase of Water Meters	2,000	2,000	4,000	4,000	4,000	4,000	2,000	2,000	2,000	2,000	28,000
824 Purchase of Meter Boxes and Meter Box Parts	2,168	2,169	2,168	2,168	2,168	2,168	2,169	2,168	2,168	2,168	21,682
825 Automatic Meter Readers	10,000	10,000	0	0	0	0	0	0	0	0	20,000
842 Revenue Department Equipment Purchases	0	0	0	60	0	0	0	0	0	0	60
843 Minor Equipment Purchases	3,506	1,321	1,136	1,159	2,694	2,554	7,146	1,115	1,484	1,189	23,304
862 Fire Hydrants and Related Parts	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	10,000
879 Green Infrastructure	500	500	500	500	0	0	0	0	0	0	2,000
881 Stormwater Sampling and Monitoring	200	0	0	0	0	0	0	0	0	0	200
TOTAL GENERAL BUDGET ITEMS	\$47,560	\$35,423	\$22,472	\$19,378	\$20,462	\$20,572	\$24,032	\$18,502	\$18,303	\$17,897	\$244,601

SEWERAGE AND WATER BOARD OF NEW ORLEANS
 TEN-YEAR CAPITAL PROGRAM
 WATER DEPARTMENT (x \$1000)

C.P.#	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	TOTAL TEN-YEAR PROGRAM
C.P.# WATERWORKS											
110 Normal Extensions & Replacements	\$10,459	\$14,070	\$6,245	\$4,920	\$5,470	\$5,945	\$12,545	\$5,120	\$5,770	\$14,895	\$85,439
112 Modifications to Oak St Raw Water Intake Station	1,200	5,500	5,000	0	0	0	0	0	80,000	100,000	191,700
122 Sycamore and Claiborne Filter Rehabilitation	4,490	1,500	0	0	0	0	0	0	30,000	0	35,990
135 Improvements to Chemical System	370	1,400	3,000	0	0	0	0	0	0	0	4,770
156 Advanced Water Treatment (Carr.)	6,815	200	20,120	120	120	560	5,000	0	0	0	32,935
157 Advanced Water Treatment (Algiers)	1,940	3,575	2,750	0	0	0	0	1,000	9,000	0	18,265
158 Water Treatment Carr.	200	200	0	0	0	0	0	100,000	0	0	100,400
159 Water Plant Security Improvements	2,000	0	2,000	0	0	0	0	0	0	0	4,000
160 SELA Water Relocation Costs	833	603	237	578	2,145	0	0	0	0	0	4,396
175 Water Hurricane Recovery Bonds	\$69,717	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$15,000	\$10,000	\$10,000	\$224,717
182 Water Paving Repair Contracts	0	0	0	0	0	0	0	0	0	0	0
TOTAL WATERWORKS	\$98,024	\$47,048	\$59,352	\$25,618	\$27,735	\$26,505	\$37,545	\$121,120	\$134,770	\$124,895	\$702,612
C.P.# WATER DISTRIBUTION											
214 Normal Extensions & Replacements	\$2,365	\$2,385	\$2,385	\$2,410	\$2,410	\$2,435	\$2,435	\$3,135	\$3,135	\$3,135	\$26,230
216 Water System Replacement Program	5,100	5,100	5,200	5,000	5,000	5,000	5,000	5,000	5,000	5,000	50,400
221 Feeder Main Extensions-General	100	100	50	50	50	50	50	50	50	50	600
239 Mains D P W Contracts	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	32,000
TOTAL WATER DISTRIBUTION	\$10,765	\$10,785	\$10,835	\$10,660	\$10,660	\$10,685	\$10,685	\$11,385	\$11,385	\$11,385	\$109,230
600 Water Share of Power Projects	16,852	12,369	5,572	280	630	3,430	280	280	280	280	40,253
701 Water Reserve for Emergencies	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	20,000
800 Water Share - General Budget Items	23,502	19,871	9,321	8,066	8,519	8,813	9,324	7,366	7,452	7,391	109,625
TOTAL WATER DEPARTMENT	\$151,143	\$92,073	\$87,080	\$46,624	\$49,544	\$51,433	\$59,834	\$142,151	\$155,887	\$145,951	\$981,720

**Sewerage & Water Board of New Orleans
Water Financial Plan Model
Financing Plan**

	Fiscal Year				
	2016	2017	2018	2019	2020
3 Total Sales of Water and Delinquent Fees	\$ 85,302,302	\$ 94,752,091	\$ 105,248,728	\$ 116,908,182	\$ 129,859,271
4 Plumbing & Inspection Fees	\$ 299,729	\$ 299,729	\$ 299,729	\$ 299,729	\$ 299,729
5 Other Revenue	\$ 3,155,081	\$ 3,155,081	\$ 3,155,081	\$ 3,155,081	\$ 3,155,081
6 Additional Revenue	\$ -	\$ -	\$ -	\$ -	\$ -
7 Total Operating Revenues	\$ 88,757,112	\$ 98,206,901	\$ 108,703,538	\$ 120,362,992	\$ 133,314,080
8 Operating and Maintenance Expense	\$ 73,952,977	\$ 76,314,607	\$ 78,769,238	\$ 81,320,768	\$ 83,973,266
9 Additional Operating and Maintenance	\$ 400,000	\$ 800,000	\$ 1,200,000	\$ 1,600,000	\$ 2,000,000
10 Operating and Maintenance Savings	\$ (51,848)	\$ (106,423)	\$ (127,603)	\$ (191,391)	\$ (257,704)
11 Total Operating and Maintenance Expense	\$ 74,301,129	\$ 77,008,184	\$ 79,841,635	\$ 82,729,376	\$ 85,715,562
12 Operating Income (Loss)	\$ 14,455,983	\$ 21,198,717	\$ 28,861,903	\$ 37,633,616	\$ 47,598,518
13 Non-Operating Revenues	\$ 400,501	\$ 400,501	\$ 400,501	\$ 400,501	\$ 400,501
14 FEMA Reimbursements Water Contract Water Force Account					
15 Net Revenues Available for Debt Service	\$ 14,856,484	\$ 21,599,218	\$ 29,262,404	\$ 38,034,117	\$ 47,999,019
16 Existing Revenue Bond Debt Service	\$ 7,936,521	\$ 12,640,550	\$ 13,333,550	\$ 13,394,550	\$ 13,473,550
17 Coverage	1.87	1.71	2.19	2.84	3.56
18 Proposed Revenue Bond Debt Service	\$ -	\$ -	\$ 3,027,437	\$ 6,054,874	\$ 7,947,023
19 Coverage	1.87	1.71	1.79	1.96	2.24
20 Existing Subordinate Debt Service	\$ 640,836	\$ 640,836	\$ 640,836	\$ 640,836	\$ 640,836
21 Coverage	1.73	1.63	1.72	1.89	2.18
22 Revenue Financed Capital	\$ 3,000,000	\$ 4,000,000	\$ 5,000,000	\$ 8,000,000	\$ 10,000,000
23 Repayment to DPW	\$ 1,750,000	\$ -	\$ -	\$ -	\$ -
24 Repayment to Claimants	\$ 436,000	\$ 436,000	\$ 436,000	\$ -	\$ -
25 Repayment to Drainage	\$ -	\$ -	\$ -	\$ -	\$ -
26 Repayment to Sewer	\$ -	\$ -	\$ -	\$ -	\$ -
27 Net Surplus / (Deficit)	\$ 1,093,127	\$ 3,881,833	\$ 6,824,581	\$ 9,943,857	\$ 15,937,611

Sewerage & Water Board of New Orleans
Water Financial Plan Model
CIP Financing Schedule

	Fiscal Year ending December 31				
	2016	2017	2018	2019	2020
Beginning Unspent Bond Proceeds	\$ 23,900,000	\$ 55,007,218	\$ 34,450,167	\$ 14,637,187	\$ 19,548,187
Sources					
Revenue Financed Capital	\$ 3,000,000	\$ 4,000,000	\$ 5,000,000	\$ 8,000,000	\$ 10,000,000
Contributions	\$ 86,057,119	\$ 31,515,949	\$ 26,267,020	\$ 21,035,000	\$ 21,035,000
Revenue Bond Proceeds	\$ 101,319,607	\$ 40,000,000	\$ 40,000,000	\$ 25,000,000	\$ 25,000,000
Total Available Funds	\$ 214,276,726	\$ 130,523,167	\$ 105,717,187	\$ 68,672,187	\$ 75,583,187
Uses					
Capital Improvement Plan	\$ 151,142,714	\$ 92,073,000	\$ 87,080,000	\$ 46,624,000	\$ 49,544,000
Bond Issuance Costs	\$ 1,519,794	\$ 600,000	\$ 600,000	\$ 375,000	\$ 375,000
Debt Service Reserve	\$ 6,607,000	\$ 3,400,000	\$ 3,400,000	\$ 2,125,000	\$ 2,125,000
Ending Unspent Bond Proceeds	\$ 55,007,218	\$ 34,450,167	\$ 14,637,187	\$ 19,548,187	\$ 23,539,187
Carryforward Bond Projects	\$0	\$0	\$0	\$0	\$0

SEWERAGE AND WATER BOARD OF NEW ORLEANS
 2016 CAPITAL BUDGET REQUESTED
 WATER DEPARTMENT (x \$1000)

C.P.#	WATERWORKS	2016	2016	2016	2016
		Requested	Participation by Others	Funded by S. & W.B.	Unfunded
110	Normal Extensions & Replacements	\$10,459	\$0	\$10,459	\$0
112	Modifications to Oak St Raw Water Intake Station	1,200	0	1,200	0
122	Sycamore and Claiborne Filter Rehabilitation	4,490	0	4,490	0
135	Improvements to Chemical System	370	0	370	0
156	Advanced Water Treatment (Carr.)	6,815	0	6,815	0
157	Advanced Water Treatment (Algiers)	1,940	0	1,940	0
158	Advanced Water Treatment (Carrollton)	200	0	200	0
159	Water Plant Security Improvements	2,000	0	2,000	0
160	SELA Water Relocation Costs	833	0	833	0
175	Water Hurricane Recovery Bonds	69,717	69,717	0	0
TOTAL WATERWORKS		\$98,024	\$69,717	\$28,307	\$0
C.P.# WATER DISTRIBUTION					
214	Normal Extensions & Replacements	\$2,365	\$1,035	\$1,330	\$0
216	Water System Replacement Program	5,100	0	5,100	\$0
221	Feeder Main Extensions-General	100	0	100	\$0
239	Mains D P W Contracts	3,200	0	3,200	\$0
TOTAL WATER DISTRIBUTION		\$10,765	\$1,035	\$9,730	\$0
C.P.# WATER DISTRIBUTION					
600	Water Share of Power Projects	\$16,852	\$14,659	\$2,193	\$0
701	Water Reserve for Emergencies	2,000	0	2,000	\$0
800	Water Share - General Budget Items	23,502	646	22,856	\$0
TOTAL WATER DISTRIBUTION		\$42,354	\$15,305	\$27,049	\$0
TOTAL WATER DEPARTMENT		\$151,143	\$86,057	\$65,086	\$0

SEWERAGE AND WATER BOARD OF NEW ORLEANS
 WATER DEPARTMENT (x \$1000)
 SUPPORTING SCHEDULE OF PARTICIPATION BY OTHERS

C. P. #	PARTICIPATION BY OTHERS	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	TOTAL	
												TEN-YEAR PROGRAM	
175	Water Hurricane Recovery Bonds	69,717	20,000	20,000	20,000	20,000	20,000	20,000	15,000	10,000	10,000	224,717	FEMA
214	Normal Extensions & Replacements (Water Distribution)	1,035	1,035	1,035	1,035	1,035	1,035	1,035	1,035	1,035	1,035	10,350	FORCE ACCT
676	Modifications to Power Generating System HMGP	14,660	10,481	5,232	0	0	0	0	0	0	0	30,373	FEMA
807	Improvements to Central Yard & St Joseph St	646	0	0	0	0	0	0	0	0	0	646	FEMA
TOTAL ANTICIPATED PARTICIPATION		\$86,058	\$31,516	\$26,267	\$21,035	\$21,035	\$21,035	\$21,035	\$16,035	\$11,035	\$11,035	\$266,086	

SEWERAGE AND WATER BOARD OF NEW ORLEANS
 WATER DEPARTMENT (x \$1000)
 2016 CAPITAL PROGRAM BY QUARTER

C.P.# WATERWORKS	2016 TOTAL PROGRAM	FIRST QUARTER	SECOND QUARTER	THIRD QUARTER	FOURTH QUARTER
110 Normal Extensions & Replacements	\$10,459	\$2,615	\$2,615	\$2,615	\$2,615
112 Modifications to Oak St Raw Water Intake Station	\$1,200	\$300	\$300	\$300	\$300
122 Filter Rehabilitation	4,490	1,123	1,123	1,123	1,123
135 Improvements to Chemical System	370	93	93	93	93
156 Advanced Water Treatment (Carr.)	6,815	1,704	1,704	1,704	1,704
157 Advanced Water Treatment (Algiers)	1,940	485	485	485	485
158 Advanced Water Treatment (Carrollton)	200	50	50	50	50
159 Water Plant Security Improvements	2,000	500	500	500	500
160 SELA Water Relocation Costs	833	208	208	208	208
175 Water Hurricane Recovery Bonds	69,717	17,429	17,429	17,429	17,429
182 Water Paving Repair Contracts	0	0	0	0	0
TOTAL WATERWORKS	98,024	24,506	24,506	24,506	24,506
C.P.# WATER DISTRIBUTION					
214 Normal Extensions & Replacements	2,365	591	591	591	591
216 Water System Replacement Program	5,100	1,275	1,275	1,275	1,275
221 Feeder Main Extensions-General	100	25	25	25	25
239 Mains In D P W Contracts	3,200	800	800	800	800
TOTAL WATER DISTRIBUTION	10,765	2,691	2,691	2,691	2,691
600 Water Share of Power Projects	16,852	4,213	4,213	4,213	4,213
701 Water Reserve for Emergencies	2,000	500	500	500	500
800 Water Share - General Budget Items	23,502	5,876	5,876	5,876	5,876
TOTAL WATER DEPARTMENT	\$151,143	\$37,786	\$37,786	\$37,786	\$37,786

Sewerage and Water Board of New Orleans

Water (w/Gen/Power) Capital Projects Prioritization 2016-25

Funded by Participation by Others

Capital Project	Council District	Capital Project Title	Description	Calculated Score	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total 2016-25
175-11	Citywide	Water Hurricane Recovery Bond FEMA	Water Hammer Mitigation-8 new water distribution pumps at Claiborne, Panola and Low Lift Pump Stations	10.00	\$49,116,952										\$ 49,116,952
175-12	Citywide	Water Hurricane Recovery Bond FEMA (33/33/33 W/S/D)	Labor for Maintenance Services FEMA	10.00	\$600,000										\$ 600,000
175-13	Citywide	Networks Water System Replacement Program (inspect, monitoring, assessment & replacement) FEMA	Replacement of water distribution system on East Bank FEMA	10.00	\$ 20,000,000	\$ 20,000,000	\$ 20,000,000	\$ 20,000,000	\$ 20,000,000	\$ 20,000,000	\$ 20,000,000	\$ 15,000,000	\$ 10,000,000	\$ 10,000,000	\$ 175,000,000
214-1	Citywide	Networks Engineering & Inspection of Developer Installed Water Mains - Forced Accts	Water Service Line/Metering Installation Force Accts (45/45/10)	10.00	\$ 1,035,000	\$ 1,035,000	\$ 1,035,100	\$ 1,035,000	\$ 1,035,000	\$ 1,035,000	\$ 1,035,000	\$ 1,035,000	\$ 1,035,000	\$ 1,035,000	\$ 10,350,100
676-1	Citywide	Modifications to the Power Generating System (34/15/53) HMGP	Retrofit Boilers 1, 3 - 6 including auxiliary equipment and systems construction and engineering Contract 1370 (HMGP)	10.00	\$ 13,123,841										\$ 13,123,841
676-9	A, B	Modifications to the Power Generating System (34/15/53) HMGP	Design Build Contract 6249 to replace feeders RS-T6, RSC, RSE, CFC, 406, 202, 506, 404, 416, 302 (HMGP)	10.00	\$ 850,000										\$ 850,000
676-10	A, B	Modifications to the Power Generating System (34/15/53) HMGP	C 6248 Feeders from CWTP HMGP	10.00	\$ 34,000										\$ 34,000
807-19	D	Improvements to Central Yard & St. Joseph Street FEMA 33/33/34 W/S/D	Central Yard: Repairs/replacement of Garage 1 & 2, Body Shop, including frame rack, paint booth, shop equipment FEMA	10.00	\$ 645,725										\$ 645,725
676-2	Citywide	Modifications to the Power Generating System (34/15/53) HMGP	Refurbish Turbines 3, including controls upgrade Contract 1373(HMGP)	10.00		\$ 5,157,120									\$ 5,157,120
676-3	Citywide	Modifications to the Power Generating System (34/15/53) HMGP	Refurbish Turbines 5, including controls upgrade Contract 1372(HMGP)	10.00			\$ 5,231,920								\$ 5,231,920

Capital Project	Council District	Capital Project Title	Description	Calculated Score	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total 2016-25	
676-6	Citywide	Modifications to the Power Generating System (34/15/53) HMGP	Oak Street Pump Station Retrofit Contract 1368 design, construction and engineering services (HMGP FEMA)	10.00	\$ 366,601	\$ 5,323,829									\$ 5,690,430	
676-7	Citywide	Modifications to the Power Generating System (34/15/53) HMGP	Hardening of power plant Contract 1371	10.00	\$ 105,000										\$ 105,000	
676-8	Citywide	Modifications to the Power Generating System (34/15/53) HMGP	Emergency fuel storage construction and engineering Contract 1369	10.00	\$ 180,000										\$ 180,000	
Total Sewerage Capital Program - Funded by Others					\$	86,057,119	\$ 31,515,949	\$ 26,267,020	\$ 21,035,000	\$ 21,035,000	\$ 21,035,000	\$ 21,035,000	\$ 16,035,000	\$ 11,035,000	\$ 11,035,000	\$ 266,085,088

Funded by Sewerage & Water Board of New Orleans

112-6	Citywide	Modifications to Oak St Raw Water Intake Station	Oak Street Pump Station Retrofit Contract 1368 design, construction and engineering services (HMGP non FEMA)	10.00	\$ 1,200,000	\$ 5,000,000	\$ 5,000,000							\$ 80,000,000	\$ 91,200,000
110-28	Citywide	Normal Extensions & Replacements	CWPP/AWPP Storm Proofing: Improvements to facilities required to be manned for hurricanes to protect the health and welfare of employees required to work not covered by COE	10.00	\$ 300,000	\$ 400,000									\$ 700,000
110-39	Citywide	Normal Extensions & Replacements	Low Lift: Replace main crane. The equipment is obsolete and a safety hazard	10.00	\$ 400,000										\$ 400,000
110-50	Citywide	Normal Extensions & Replacements 33/33/34 W/S/D	Labor for Maintenance Services of miscellaneous repairs	10.00	\$ 500,000	\$ 550,000	\$ 550,000	\$ 600,000	\$ 600,000	\$ 650,000	\$ 650,000	\$ 700,000	\$ 700,000	\$ 750,000	\$ 6,250,000
159-1	Citywide	Security/ Monitoring	Provide security systems at various facilities, including Water Plants and all remote facilities, both perimeter and inside the facilities. FEMA	10.00	\$2,000,000		\$2,000,000								\$ 4,000,000
214-2	Citywide	Networks Engineering & Inspection of Developer Installed Water Mains Paid by Developer	Main Extension(Water portion) Paid by Developer	10.00	\$ 330,000	\$ 350,000	\$ 350,000	\$ 375,000	\$ 375,000	\$ 400,000	\$ 400,000	\$ 1,100,000	\$ 1,100,000	\$ 1,100,000	\$ 5,880,000
216-2	Citywide	Networks Water System Replacement Program (SCADA flow meters)	Water main replacement program- replacement of valves, etc. Linked with 175-13	10.00	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$ 50,000,000
160	A,B,D	SELA Relocation Costs	Entergy Temporary Relocations & S&WB Forensic Engineering	10.00	\$ 833,333	\$ 603,333	\$ 236,550	\$ 577,500	\$ 2,145,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,395,716
613-10	Citywide	Normal Extensions & Replacements 35/5/60 W/S/D:	Purchase (C6251) and installation (C6252) transformers T1 and T2, including duct bank constructions	10.00	\$ 40,250										\$ 40,250
613-14	Citywide	Modifications to the Power Generating System 100 W	Stations A & B High Lift Pump - repair/replace steam driven pumping units and ancillary components.	10.00	\$ 100,000										\$ 100,000
676-9	A, B	Modifications to the Power Generating System (34/15/53) HMGP	Design Build Contract 6249 to replace feeders RS-T6, RSC, RSE, CFC, 406, 202, 506, 404, 416, 302 (HMGP)	10.00	\$ 1,700,000										\$ 1,700,000
701	Citywide	Water Reserve for Emergencies	Contingency	10.00	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 20,000,000
810-6	D	Major Equipment Purchases 33/33/34 W/S/D	Garage I Replacement of 2 hydraulic lifts	10.00						\$ 16,500	\$ 16,500	\$ 16,500	\$ 16,500	\$ 16,500	\$ 66,000

Capital Project	Council District	Capital Project Title	Description	Calculated Score	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total 2016-25
812-15	Citywide	New Development Contract Work 33/33/34 W/S/D	Programming done for implementations of new systems and system expansions such as CAM replacement, Financial System replacement or bringing up new modules of current software.	10.00	\$ 300,000	\$ 200,000	\$ 34,000	\$ 34,000	\$ 34,000	\$ 34,000	\$ 34,000	\$ 34,000	\$ 34,000	\$ 34,000	\$ 772,000
820	Citywide	Overhead charged to Capital 33/33/34 W/S/D	Portion of overhead attributed to capital from operations and maintenance	10.00	\$ 2,971,000	\$ 2,971,000	\$ 2,971,000	\$ 2,971,000	\$ 2,971,000	\$ 2,971,000	\$ 2,971,000	\$ 2,971,000	\$ 2,971,000	\$ 2,971,000	\$ 29,710,000
843-17	Citywide	Mainframe UPS Battery Replacement 33/33/34 W/S/D	Replacement of UPS Batteries purchased in 2006.	10.00	\$ 24,800				\$ 2,500	\$ 2,500			\$ 2,500	\$ 2,500	\$ 34,800
843-26	Citywide	Server Expansion 33/33/34 W/S/D	Additional Server Purchases	10.00	\$ 7,300	\$ 7,300	\$ 7,300	\$ 7,300	\$ 7,300	\$ 7,300	\$ 7,300	\$ 7,300	\$ 7,300	\$ 7,300	\$ 73,000
843-33	Citywide	Personal Computers 33/33/34 W/S/D	Phased replacement of all personal computers throughout the Board	10.00	\$ 24,000	\$ 10,000	\$ 10,000	\$ 67,000	\$ 20,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 67,000	\$ 20,000	\$ 248,000
156-7	Citywide	Advanced Water Treatment at CWPP	Water Treatment Plant Master Plan	9.84	\$75,000										\$ 75,000
157-1	C	Water Treatment Improvements - Algiers	Water Treatment Plant Master Plan	9.84	\$50,000										\$ 50,000
112-8	C	Modifications to Algiers Raw Water Intake Station	Intake spill protection at Algiers Raw Water Intake Station	9.82		\$ 500,000									\$ 500,000
812-5	Citywide	CAM Replacement 50/50 W/S	Replacement of Customer Billing system	9.78	\$ 450,000										\$ 450,000
812-7	Citywide	Financial System Replacement 33/33/34 W/S/D	Replacement of Financial system (Budget, A/R, GJ, Warehouse, Fixed Assets, etc.)	9.78	\$ 1,000,000	\$ 166,667									\$ 1,166,667
843-45	Citywide	Mainframe/dasd	Replacement of obsolete mainframe and dasd storage unit	9.76	\$ 46,667										\$ 46,667
110-40	Citywide	Normal Extensions & Replacements	Purchase parts for 16" - 30" Valves, bull gears, spreaders, valve stem, yokes, and disc	9.71	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 2,400,000
156-5	Citywide	Advanced Water Treatment at CWPP	Addition of solar mixers to the storage tanks to prevent nitrifications	9.67			\$120,000	\$120,000	\$120,000	\$60,000					\$ 420,000
156-6	Citywide	Advanced Water Treatment at CWPP	Structural or process improvements to address to TOC removal	9.67						\$500,000	\$5,000,000				\$ 5,500,000
157-6	C	Water Treatment Improvements - Algiers	Addition of chlorine contact chambers to meet Long Term 1 Enhanced Surface Water Treatment Rule	9.67							\$ 1,000,000	\$ 9,000,000			\$ 10,000,000
843-28	Citywide	Vault Server Refresh 33/33/34 W/S/D	"Refresh/Replace" Vault server	9.66						\$ 36,000					\$ 36,000
112-5	Citywide	Modifications to New River Raw Water Intake Station	Rehabilitation of New River Station	9.66										\$20,000,000	\$ 20,000,000
157-1	C	Water Treatment Improvements - Algiers	PLCs Purchase and Installation for Process Monitoring: treatment operations.	4.48		\$ 150,000									\$ 150,000
843-32	Citywide	Network UPS Replacement 33/33/34 W/S/D	Replacement of Uninterruptible Power Systems for the Network Devices	9.57	\$ 4,000	\$ 4,000	\$ 4,000	\$ 4,000	\$ 4,000	\$ 4,000	\$ 4,000	\$ 4,000	\$ 4,000	\$ 4,000	\$ 40,000
843-19	Citywide	EOC Satellite Hookup-Carrollton 33/33/34 W/S/D	Enhancement of communications during emergencies.	9.53			\$ 2,000								\$ 2,000
110-1	Citywide	Normal Extensions & Replacements-Facility Maintenance	Facility Maintenance repairs to water purification plants	9.50	\$ 750,000	\$ 750,000	\$ 750,000	\$ 550,000	\$ 550,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ 6,350,000

<u>Capital Project</u>	<u>Council District</u>	<u>Capital Project Title</u>	<u>Description</u>	<u>Calculated Score</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>Total 2016-25</u>
624-1	Citywide	Normal Extensions & Replacements 35/5/60 W/S/D	Normal Extensions and Replacement to Existing Electrical Distribution, Control, and Utilization Equipment and Facilities as needed to ensure reliability and functional capability of the Power Network.	9.50	\$ 280,000	\$ 280,000	\$ 280,000	\$ 280,000	\$ 280,000	\$ 280,000	\$ 280,000	\$ 280,000	\$ 280,000	\$ 280,000	\$ 2,800,000
824	B	Improvements to Central Yard & St. Joseph Street 50/50 W/S	Furnishing brass water service fittings, meter, boxes, and meter box parts	9.50	\$ 1,084,000	\$ 1,084,200	\$ 1,084,200	\$ 1,084,000	\$ 1,084,000	\$ 1,084,000	\$ 1,084,000	\$ 1,084,000	\$ 1,084,000	\$ 1,084,000	\$ 10,840,400
843-25	Citywide	Server Refresh 33/33/34 W/S/D	Upgrade and Replacement of all Board Servers as they reach the 5-7 year age	9.48	\$ 16,800	\$ 16,800	\$ 16,800	\$ 16,800	\$ 16,800	\$ 16,800	\$ 16,800	\$ 16,800	\$ 16,800	\$ 16,800	\$ 168,000
812-14	Citywide	Desktop Software 33/33/34 W/S/D	Upgrades of Office Desktop Suite to replace Office 2000 and Windows 2000 and XP.	9.46	\$ 90,000		\$ 166,000		\$ 30,000		\$ 30,000		\$ 30,000		\$ 346,000
157-2	C	Water Treatment Improvements - Algiers	Replace onsite chlorine generation process with liquid NaHOCl facility, design and replacement (WQMP)	9.43	\$ 100,000	\$ 2,000,000									\$ 2,100,000
214-3	Citywide	Normal Extensions & Replacements	Waterline leak detection	9.43	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 10,000,000
122-2	Citywide	Sycamore & Claiborne Filter Modifications-	Sycamore Filters Replacement Study and preliminary design to assess alternatives for a new Filter Complex to replace existing Sycamore filters	9.42	\$ 250,000										\$ 250,000
843-39	Citywide	High Volume Scanners 33/33/34 W/S/D	Replacement of High Volume Scanners used for Networks and Revenue documents	9.31	\$ 3,333		\$ 3,333				\$ 3,333	\$ 3,333			\$ 13,332
110-23	C	Normal Extensions & Replacements	Algiers WPP: Repair/replace ferric pump house, piping, and instrumentation	9.23				\$ 500,000							\$ 500,000
157-11	C	Water Treatment Improvements - Algiers	Filter media removal and replacement for the 20 filters and new filter controls and instrumentation improvements (P-008 WQMP)	9.23	\$ 1,020,000										\$ 1,020,000
157-12	C	Water Treatment Improvements - Algiers	Fluoride Facility electrical system replacement	9.23	\$ 80,000										\$ 80,000
825	Citywide	Normal Extensions & Replacements	Mobile automatic meter readers installation (linked with 823)	9.19	\$ 10,000,000	\$ 10,000,000									\$ 20,000,000
843-16	Citywide	Micre Printer (checks) 33/33/34 W/S/D	Check printer	9.19	\$ 2,250										\$ 2,250
843-27	Citywide	Oracle Server Refresh 33/33/34 W/S/D	"Refresh /Replace" Oracle Database server	9.13					\$ 6,600						\$ 6,600
843-38	Citywide	Printers 33/33/34 W/S/D	Replacement Printers	9.13	\$ 13,333	\$ 7,000	\$ 7,000	\$ 10,000	\$ 10,000	\$ 7,000	\$ 7,000	\$ 5,333	\$ 5,333	\$ 5,333	\$ 77,332
812-9	Citywide	Windows Server Software and applicable Client Access Licenses 33/33/34 W/S/D	Upgrade of Network server software, and applicable user licenses	9.00	\$ 2,167	\$ 16,000	\$ 10,000	\$ 11,500	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 69,667
812-12	Citywide	Miscellaneous Software 33/33/34 W/S/D	Unspecified software often needed "immediately" by user to complete important project.	9.00	\$ 5,000	\$ 3,300	\$ 3,300	\$ 3,300	\$ 3,300	\$ 3,300	\$ 3,300	\$ 3,300	\$ 3,300	\$ 3,300	\$ 34,700
122-8	Citywide	Sycamore & Claiborne Filter Modifications	Air System replacement (Claiborne) and minor piping/valving modifications (Sycamore) includes complete	10.00	\$ 240,000										\$ 240,000
810-5	D	Major Equipment Purchases 33/33/34 W/S/D	Garage I Diagnostic equipment and upgraded every other year	8.80	\$ 1,650		\$ 1,815		\$ 1,815						\$ 5,280

<u>Capital Project</u>	<u>Council District</u>	<u>Capital Project Title</u>	<u>Description</u>	<u>Calculated Score</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>Total 2016-25</u>
812-13	Citywide	Web Developer Software 33/33/34 W/S/D	Upgrades and Replacement of software used by web developer for web design and maintenance.	8.76			\$ 1,000								\$ 1,000
110-49	Citywide	Normal Extensions & Replacements	Forensics structural engineering services for analysis of water system facilities	8.75	\$ 34,000										\$ 34,000
110-5	Citywide	Normal Extensions & Replacements- L4 Basin Repair	Carrollton WPP: Repair L4 & leak btw L4 and C5 The leak between L4 and C5 has resulted in loss of 33% of Carrollton's disinfection contact basin capacity and has made it very difficult to perform routine basin maintenance	8.74		\$ 1,500,000									\$ 1,500,000
110-6	Citywide	Normal Extensions & Replacements- G & C Basin Repairs	Carrollton WPP: Repair Leaks from G (G4) and C (C5/6) Basins	8.74	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$300,000	\$300,000	\$325,000	\$325,000	\$325,000	\$325,000	\$ 2,900,000
843-35	B	Board Room AV Renovation 33/33/34 W/S/D	Renovation, upgrade and replacement of Audio-Visual Equipment in the Board Room- microphones, cameras, encoder, etc.	8.72	\$ 5,000										\$ 5,000
156-1	Citywide	Advanced Water Treatment at CWPP	New Sludge Line to River at MWPP - Contract 1333: Addition of a second 30" waste sludge line for redundancy; provide sludge pumping and basin draining simultaneously; replacement of all sludge pumps, piping, valves and appurtenances within the Pump House for the G-Basins	8.70	\$ 4,000,000										\$ 4,000,000
156-2	Citywide	Advanced Water Treatment at CWPP	Sedimentation Basin Study-evaluate alternatives to repair of existing basins (WQMP)	8.66	\$150,000	\$200,000	\$20,000,000								\$ 20,350,000
156-3	Citywide	Advanced Water Treatment at CWPP	Improvements to G Sedimentation Basins- Add speed control to G-Basin Flocculators (P-002 WQMP)	8.66	\$920,000										\$ 920,000
156-4	Citywide	Advanced Water Treatment at CWPP	Improvements to G Sedimentation Basins- Replace static mixers with vertical mixers (P-001 WQMP)	8.66	\$710,000										\$ 710,000
156-8	Citywide	Advanced Water Treatment at CWPP	Improvements to G Sedimentation Basins- Replace settled water effluent channel isolation gates and related structural improvements (P-003WQMP)	8.66	\$870,000										\$ 870,000
156-9	Citywide	Advanced Water Treatment at CWPP	Improvements to G & L Sedimentation Basins-Replacing the control panels for monorakes in basins G3, G4, L3 and L4 (E-001 WQMP)	8.66	\$90,000										\$ 90,000
843-14	Citywide	System Wide General Wiring 33/33/34 W/S/D	General Wiring for new data drops and special wiring runs	8.64	\$ 10,000	\$ 15,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 105,000
843-24	Citywide	Security-New Badge Reading System 33/33/34 W/S/D	Replacement of Security Badge servers, software, etc.	8.64	\$ 50,000										\$ 50,000
110-42	Citywide	Normal Extensions & Replacements-Basin Repairs	Carrollton WPP: Repair L & G Basins flocculator drives (failed gearboxes)	8.61	\$ 400,000	\$ 400,000									\$ 800,000
110-17	Citywide	Normal Extensions & Replacements	Carrollton & Algiers WPP: Structural or process improvements to address TOC removal	8.60		\$ 500,000	\$ 500,000								\$ 1,000,000
843-30	Citywide	IP Unified Communication 33/33/34 W/S/D	Voice over IP Telephone System	8.59	\$ 133,000	\$ 133,000									\$ 266,000

Capital Project	Council District	Capital Project Title	Description	Calculated Score	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total 2016-25
843-31	Citywide	Rewiring (800 @ 275ea) 33/33/34 W/S/D	Data line (drops) rewiring throughout the Board	8.54	\$ 74,000										\$ 74,000
843-36	Citywide	Travel AV / Offsite AV Projectors, etc. 33/33/34 W/S/D	Replacement of current and purchase of additional pc projectors and related equipment for use at scattered sites around the Board and offsite from the Board.	8.52	\$ 1,666	\$ 1,666		\$ 1,666							\$ 4,998
110-14	Citywide	Normal Extensions & Replacements - CWPP Filter Backwash Recycle Pumps	Carrollton WPP- Replacement of the Filter Backwash Recycle Pumps - Contract 1345 Purchase and installation of 4 pumps for the facility. Existing pumps at or near failure. (P 004 WQMP)	8.40	\$ 470,000										\$ 470,000
122-3	Citywide	Sycamore & Claiborne Filter Modifications-	Sycamore Filter Modification-Rehabilitation of Filters 1-28 at the Sycamore Filter Gallery: Filter media replacement, underdrain inspection and maintenance, replacement of valve, actuator, meter and loss of head instrument	8.40	\$ 3,000,000	\$ 1,500,000							\$ 30,000,000		\$ 34,500,000
812-25	Citywide	Environmental Compliance Software	Fats, Oil, and Grease (FOG) additional module for current system	8.55	\$ 2,805										\$ 2,805
812-24	Citywide	Update Network Infrastructure-Firewall	Replace firewall with more secure hardware and software.	8.37	\$ 20,000										\$ 20,000
812-10	Citywide	Cassworks Replacement 40/40/20 WSD	Upgrade or Replacement of Cassworks CMMS system	8.33		\$ 1,500,000	\$ 1,000,000								\$ 2,500,000
135-1	Citywide	Improv to Chemical Handling & Feed Systems	Carrollton WPP: Lime Slurry System Assessment, Design and Replacement	8.32	\$ 70,000	\$ 200,000	\$ 2,000,000								\$ 2,270,000
135-4	C	Improv to Chemical Handling & Feed Systems	Algiers WPP: Lime Slurry System Assessment, Design and Replacement	8.32	\$ 50,000	\$ 100,000	\$ 1,000,000								\$ 1,150,000
157-7	C	Water Treatment Improvements - Algiers	Eimco 3 & 4 Clarifiers Launderers and Trough replacement (P-007 WQMP)	8.23	\$ 500,000										\$ 500,000
157-8	C	Water Treatment Improvements - Algiers	Eimco Clarifier 2 - replacement of control panel (E003 WQMP)	8.23	\$ 90,000										\$ 90,000
110-13	Citywide	Normal Extensions & Replacements	Carrollton WPP: Routine repairs and modifications to the Carrollton rail system. Required for chemical delivery.	8.22	\$ 150,000		\$ 150,000		\$ 150,000		\$ 150,000		\$ 150,000		\$ 750,000
110-34	Citywide	Normal Extensions & Replacements	New River Station Install water pump casings, packing glands, bearings, and impellers for wear on all pumps	8.21	\$ 400,000	\$ 200,000									\$ 600,000
122-1	Citywide	Sycamore & Claiborne Filter Modifications	Rehabilitation of Claiborne Filters 1 & 5: Filter media replacement, underdrain inspection and maintenance, replacement of valve, actuator, meter and loss of head instrumentation	8.20	\$ 1,000,000										\$ 1,000,000
843-12	Citywide	Mobile Computing- \$5,000 per truck 50/50 W/S	Purchase of laptop, retrofitting of trucks, etc	8.19	\$ 10,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 25,000	\$ 25,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 485,000
110-12	Citywide	Normal Extensions & Replacements	Carrollton WPP: Improvements to Chemical House including drainage repairs, replacing all electrical systems (E-002 WQMP)	8.18	\$ 520,000										\$ 520,000

Capital Project	Council District	Capital Project Title	Description	Calculated Score	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total 2016-25
110-3	Citywide	Normal Extensions & Replacements-Water Purification Plant Maintenance	Misc. processes, equipment and facility repairs at CWP and AWP	8.13	\$ 1,250,000	\$ 1,250,000	\$ 1,250,000	\$ 1,250,000	\$ 1,250,000	\$ 1,350,000	\$ 1,350,000	\$ 1,350,000	\$ 1,350,000	\$ 1,350,000	\$ 13,000,000
110-54	Citywide	Normal Extensions & Replacements-Water Purification Plant Maintenance	Replacement of 50,000 feet of 8" diameter waterline to Venetian Isle, including providing a looping of system to improve water quality	8.13						\$ 700,000	\$ 7,000,000				\$ 7,700,000
843-37	Citywide	Plotters 33/33/34 W/S/D	Replacement Plotters	8.13	\$ 3,000		\$ 4,275	\$ 4,000				\$ 4,000	\$ 4,000		\$ 19,275
842-1	Citywide	Revenue Department Equipment Purchases 50/50 W/S	Replace Opex remittance processing and mail extraction equipment	7.90				\$ 30,000							\$ 30,000
110-43	C	Normal Extensions & Replacements	Algiers WPP:Ground Storage tanks requires installation of mixers to minimize nitrification problems occurred during water weather months.	7.69	\$ 150,000										\$ 150,000
157-4	C	Water Treatment Improvements - Algiers	Eimco 2 Clarifier Painting at the Algiers Plant. Blasting and painting with corrosion resistant coatings. A functioning Eimco 2 is necessary for redundancy	7.69		\$ 250,000									\$ 250,000
157-5	C	Water Treatment Improvements - Algiers	Eimco 1 Clarifier replacement. The clarifier has extensive corrosion	7.69		\$ 175,000	\$ 1,750,000								\$ 1,925,000
110-26	C	Normal Extensions & Replacements	Algiers WPP: Miscellaneous repairs and modifications to the High Lift pumps	7.58	\$ 500,000		\$ 500,000		\$ 500,000		\$ 500,000		\$ 500,000		\$ 2,500,000
843-44	Citywide	Disaster Recovery / Failover Site	Additional hardware and software to serve as a backup site in case of a major failure at St. Joseph Street	7.47	\$ 82,758										\$ 82,758
239	Citywide	Networks Participation for Water Mains on DPW Paving Proj SWBNO	Networks Participation for Water Mains on DPW Paving Proj SWBNO	7.29	\$ 3,200,000	\$ 3,200,000	\$ 3,200,000	\$ 3,200,000	\$ 3,200,000	\$ 3,200,000	\$ 3,200,000	\$ 3,200,000	\$ 3,200,000	\$ 3,200,000	\$ 32,000,000
862	Citywide	Fire Hydrants and Related Parts 100 W	Replace fire hydrants	7.29	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 10,000,000
613-7	Citywide	Modifications to the Power Generating System 35/5/60 W/S/D	Inspect and refurbish Turbine No.1	7.24					\$ 350,000	\$ 3,150,000					\$ 3,500,000
158-1	Citywide	Water Treatment Improvements - CWPP	Build new Water Treatment Process Train Bldg. at Carrollton	7.17	\$ 200,000	\$ 200,000						\$ 100,000,000			\$ 100,400,000
843-10	Citywide	Minor Equipment Purchases 33/33/34 W/S/D	Upgrade telephone equipment at various locations throughout SWB (DPS 13, SPS C, DPS 6, Algiers WTP, DPS 4; CWP Admin & Engineering	7.15	\$ 33,000	\$ 33,000	\$ 33,000	\$ 33,000							\$ 132,000
823	Citywide	Purchase of Water Meters 50/50 W/S	Replace or install new water meters (Linked with 110-41)	7.13	\$ 1,000,000	\$ 1,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 14,000,000
110-20	Citywide	Normal Extensions & Replacements	Carrollton WPP:Repair to existing water valves within plant	7.12	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$ 5,000,000
157-9	C	Water Treatment Improvements - Algiers	Raw Water Piping Modifications. To allow for flushing of the redundant raw water piping without shutting down production in the plant	7.12			\$ 1,000,000								\$ 1,000,000

Capital Project	Council District	Capital Project Title	Description	Calculated Score	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total 2016-25
613-11	Citywide	Modifications to the Power Generating System 60/5/35 W/S/D	Repairs to CWPP Frequency Changer	7.10		\$ 960,000	\$ 60,000								\$ 1,020,000
613-17	Citywide	Modifications to the Power Generating System 60/5/35 W/S/D	Structural design and repairs to water treatment system in Power House	6.97	\$ 72,000	\$ 648,000									\$ 720,000
803-1	Citywide	Property Acquisition 100% W	CP H0740 Property Maintenance: St Charles Parish site in St. Rose LA (fencing, security, grass cutting, carpentry, drainage, septic tank, cleanout, general upkeep of grounds, chemical treatment of weeds)	6.96	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 1,000,000
807-2	B	Improvements to Central Yard & St. Joseph Street 33/33/34 W/S/D	St. Josephs: Replacement of switchgear for generator hook-up.	6.76	\$ 660,000										\$ 660,000
135-6	Citywide	Improv to Chemical Handling & Feed Systems	Carrollton WPP: Provide secondary containment for the 10,000 gal ammonia storage tank	6.79	\$ 100,000	\$ 1,000,000									\$ 1,100,000
110-45	Citywide	Normal Extensions & Replacements	Air Relief Valve Installation	6.90	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 200,000
807-7	B	Improvements to Central Yard & St. Joseph Street 33/33/34 W/S/D	Replace window seals (Atrium is leaking)	6.75	\$ 6,600	\$ 6,600									\$ 13,200
807-14	B	Improvements to Central Yard & St. Joseph Street 33/33/34 W/S/D	Install new fencing from Garage 1 to Gas Station	6.75	\$ 6,600										\$ 6,600
807-16	B	Improvements to Central Yard & St. Joseph Street 33/33/34 W/S/D	Replace electric gate near warehouse	6.75	\$ 16,000										\$ 16,000
807-6	B	Improvements to Central Yard & St. Joseph Street 33/33/34 W/S/D	Central Yard: New Wash Station (pressure washer, steam cleaner) oil grease separator (close to the fuel line)	6.57	\$ 51,150										\$ 51,150
157-10	C	Water Treatment Improvements - Algiers	Replacement of the Raw Water Pumps at Algiers River Station No. 2-The current pumps are undersized for the demand. New larger pumps will provide redundant raw water pumping capacity should the intake at Algiers Station # 1 be damaged	6.08	\$ 100,000	\$ 1,000,000									\$ 1,100,000
110-9	Citywide	Normal Extensions & Replacements	Carrollton WPP: Steel Tanks 1/2; 3/4; 5/6 Interior Repairs Previous inspection noted extensive corrosion in the interior steel infrastructure of the six steel ground storage tanks. Repairs and corrosion resistant coatings are necessary to ensure the long term via, add new valve drains	5.89	\$ 250,000		\$ 250,000		\$ 275,000	\$ 275,000		\$ 275,000	\$ 275,000		\$ 1,600,000
843-36	Citywide	Office chairs (41 x 500)	Replacement of old, worn out desk chairs	6.02	\$ 6,833										\$ 6,833
807-4	D	Improvements to Central Yard & St. Joseph Street 33/33/34 W/S/D	St. Josephs: Replace plumbing in the 18 restrooms floor by floor.	5.54	\$ 40,000	\$ 10,000	\$ 10,000								\$ 60,000

Capital Project	Council District	Capital Project Title	Description	Calculated Score	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total 2016-25
812-1	D	Computer Systems Development .33/33/34 W/S/D	Warehouse: Install scanning equipment for inventory, labeling barcodes and associated software	4.61	\$ 3,300										\$ 3,300
807-1	B	Improvements to Central Yard & St. Joseph Street 33/33/34 W/S/D	St. Joseph: Replace 2nd floor IT air conditioning unit pumps, drive motors and controls	6.96	\$ 2,000,000										\$ 2,000,000
112-7	Citywide	Modifications to Oak St Raw Water Intake Station	Design and construction of new Oak Street Raw Water Intake Facility	6.51								\$ 80,000,000			\$ 80,000,000
807-15	D	Improvements to Central Yard & St. Joseph Street 33/33/34 W/S/D	Central Yard: security system, including cameras and card access	6.10		\$ 100,000									\$ 100,000
110-48	Citywide	Normal Extensions & Replacements	Miscellaneous repairs to Chemical lines	5.63	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 500,000
110-22	C	Normal Extensions & Replacements	Algiers WPP: Concrete ground storage tanks are due for routine cleaning and inspection. Add new valve drains.	5.89	\$ 75,000						\$ 100,000				\$ 175,000
810-1	Citywide	Major Equipment Purchases .33/33/34 W/S/D	Vehicle replacement (large trucks, cranes, etc.) at approximately 15 equipment and 15 heavy trucks each year.	5.80	\$ 410,000	\$ 410,000	\$ 410,000	\$ 410,000	\$ 410,000	\$ 410,000	\$ 410,000	\$ 410,000	\$ 410,000	\$ 410,000	\$ 4,100,000
810-7	D	Major Equipment Purchases 33/33/34 W/S/D	Garage II Replacement of 2 heavy equipment lift for wheel alignment, front end rack	5.80					\$ 16,600	\$ 16,500	\$ 16,500	\$ 16,500	\$ 16,500	\$ 16,500	\$ 82,600
843-1	Citywide	Minor Equipment Purchases .33/33/34 W/S/D	Vehicle replacement (small trucks, cars, etc.) at 15 each year	5.80	\$ 500,000	\$ 200,000	\$ 200,000	\$ 220,000	\$ 220,000	\$ 240,000	\$ 240,000	\$ 260,000	\$ 260,000	\$ 280,000	\$ 2,620,000
110-46	E	Normal Extensions & Replacements	New Orleans East Booster Station	5.66										\$ 10,000,000	\$ 10,000,000
807-5	D	Improvements to Central Yard & St. Joseph Street 33/33/34 W/S/D	St. Josephs: Replace elevator controls, cable and governance of east elevator.	5.63	\$ 400,000										\$ 400,000
843-47	Citywide	A V Systems at Carrollton and Central Yard	Install A V system similar to Board Room system at Carrollton and upgrade A V in CY conference room.	5.53	\$ 50,000										\$ 50,000
110-53	Citywide	Normal Extensions & Replacements	Carrollton WPP: Expansion of SCADA System	5.53	\$ 500,000	\$ 500,000									\$ 1,000,000
216-3	Citywide	Networks Water System Replacement Program (Inspect, monitoring, assessment & replacement)	Additional insertion flow meters (50 at \$9,000 each) in distribution system, including radio and remote logger	5.51	\$ 100,000	\$ 100,000	\$ 200,000								\$ 400,000
135-7	Citywide	Improv to Chemical Handling & Feed Systems	Carrollton WPP: Replace feeders for ammonia system	5.47	\$ 100,000	\$ 100,000									\$ 200,000
812-3	Citywide	Computer Systems Development .33/33/34 W/S/D	Support Services: Replace or upgrade Cyndrus vehicle management system	5.47			\$ 165,000								\$ 165,000
807-12	D	Improvements to Central Yard & St. Joseph Street 33/33/34 W/S/D	Secure perimeter with new chain link fence. Includes deep footing for support and security.	5.43	\$ 33,000										\$ 33,000

Capital Project	Council District	Capital Project Title	Description	Calculated Score	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total 2016-25
808-2	A, D	Improvements to Customer Service Satellite Stations: 50/50 W/S	Rental for new Orleans East Satellite Bldg	5.33		\$ 100,000									\$ 100,000
135-3	Citywide	Improv to Chemical Handling & Feed Systems	New River Intake: Renovation of abandoned Potassium Permanganate facility to carbon feed system	5.06	\$ 50,000										\$ 50,000
843-6	D	Minor Equipment Purchases 33/33/34 W/S/D	Grounds Maintenance: Posthole driver, iron wheel for curves edges	5.00	\$ 33,000										\$ 33,000
110-8	Citywide	Normal Extensions & Replacements- Concrete Storage Tank	Carrollton WPP: Concrete ground storage tanks (4) are due for routine cleaning and inspection, add new valve drains	4.99	\$ 40,000		\$275,000			\$300,000					\$ 615,000
807-13	D	Improvements to Central Yard & St. Joseph Street 33/33/34 W/S/D	Central Yard: Renovation of old warehouse	4.80					\$ 33,000	\$ 330,000					\$ 363,000
110-16	Citywide	Normal Extensions & Replacements	Carrollton WPP: G3/G4 Inlet Flow Measuring Devices/ High Lift Venturi Replacement of the venturi for the 48" lines feeding the G basin passage as they are no longer provide useable flow data	4.41	\$ 300,000										\$ 300,000
110-31	Citywide	Normal Extensions & Replacements	Carrollton WPP: Conversion of gaseous chlorine to NaHOCl in filter gallery	4.30	\$ 100,000	\$ 1,000,000									\$ 1,100,000
110-25	C	Normal Extensions & Replacements	Algiers Elevated Tank Cleaning and Inspection: The tank is due for routine cleaning and inspection.	4.23	\$50,000				\$75,000						\$ 125,000
110-2	E	Normal Extensions & Replacements-NO East Elevated Water Tank	Repair, paint and return to service the NO East Elevated Water Tank	10.00	\$ 1,000,000										\$ 1,000,000
807-22	B	Improvements to Central Yard & St. Joseph Street -33/33/34 W/S/D	Repaving of parking lot	4.54	\$ 33,000										\$ 33,000
110-24	C	Normal Extensions & Replacements	Algiers WPP: Expansion of SCADA	4.08	\$150,000										\$ 150,000
110-56	Citywide	Normal Extensions & Replacements	Carrollton WPP: Laboratory equipment	4.07	\$150,000										\$ 150,000
110-57	Citywide	Normal Extensions & Replacements	Water line replacements (non-FEMA) to meet future demands (fire flow, capacity)	4.07	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$ 10,000,000
843-41	C	New West Bank Yard 33/33/34 W/S/D	Design and construction of new west bank yard, include land acquisition	3.93					\$ 500,000	\$ 500,000	\$ 2,000,000				\$ 3,000,000
843-42	Citywide	Update Network Infrastructure	Purchase of new routers and switches beyond useful life	10.00	\$ 35,000										\$ 35,000
812-2	Citywide	Computer Systems Development 33/33/34 W/S/D	Fuel Islands: Replace existing fuel access system.	3.92		\$ 165,000									\$ 165,000
221	Citywide	Networks Feeder Main Extensions	(Extension of transmission mains to new areas of development or to boost pressure in current service area)	3.89	\$ 100,000	\$ 100,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 600,000
807-21	D	Improvements to Central Yard & St. Joseph Street 33/33/34 W/S/D	Central Yard: Body Shop and Garage renovation	3.81		\$ 360,000									\$ 360,000

<u>Capital Project</u>	<u>Council District</u>	<u>Capital Project Title</u>	<u>Description</u>	<u>Calculated Score</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>Total 2016-25</u>
808-1	C	Improvements to Customer Service Satellite Stations 50/50 W/S	Installation of security cameras and access cards	3.75		\$ 200,000									\$ 200,000
110-32	Citywide	Normal Extensions & Replacements	Carrollton WPP: Repairs to Dorr Unit office Complex: This abandoned complex could be used for housing essential personnel during emergencies as well as training facilities for operation personnel	3.55		\$ 5,000,000									\$ 5,000,000
807-17	D	Improvements to Central Yard & St. Joseph Street 33/33/34 W/S/D	Central Yard: Fuel Island -Provide for installation of canopy and lights	3.49			\$ 16,500				\$ 330,000	\$ 330,000	\$ 330,000	\$ 330,000	\$ 1,006,500
807-18	D	Improvements to Central Yard & St. Joseph Street .33/33/34 W/S/D	Central Yard: Fuel Island -Upgrade or replace fuel island	3.12							\$ 330,000				\$ 330,000
TOTAL					\$ 65,085,595	\$ 60,556,866	\$ 60,812,073	\$ 25,590,066	\$ 28,509,315	\$ 30,397,500	\$ 38,798,733	\$ 126,116,066	\$ 144,852,233	\$ 134,916,233	\$ 715,634,680
TOTAL WATER CAPITAL PROGRAM					\$ 151,142,714	\$ 92,072,815	\$ 87,079,093	\$ 46,625,066	\$ 49,544,315	\$ 51,432,500	\$ 59,833,733	\$ 142,151,066	\$ 155,887,233	\$ 145,951,233	\$ 981,719,768

SEWERAGE AND WATER BOARD OF NEW ORLEANS
 TEN-YEAR CAPITAL PROGRAM
 SEWERAGE DEPARTMENT (x \$1000)

C.P.# SEWERAGE SYSTEM	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	TOTAL TEN-YEAR PROGRAM
313 Ext & Replace - Sewer Force Mains EPA Consent Decree	\$8,700	\$10,200	\$5,750	\$9,000	\$11,750	\$8,000	\$10,750	\$14,750	\$13,500	\$13,500	\$105,900
317 Ext & Replace - Gravity Mains EPA Consent Decree	25,326	32,727	31,800	65,276	1,700	2,700	4,880	2,800	2,310	2,310	171,829
318 Rehabilitation Gravity Sewer System	6,435	5,035	6,435	5,035	8,435	5,035	8,535	8,535	8,535	8,535	70,550
319 Extension and Replacements - Sanitary Sewer Mains Algiers	500	500	500	0	0	0	0	0	10,150	10,225	21,875
326 Ext & Rep. to Pumping Stations EPA Consent Decree	3,960	5,990	6,790	2,300	3,600	1,650	2,150	2,200	2,200	1,750	32,590
339 Mains In D P W Contracts EPA Consent Decree	5,300	5,300	5,300	5,300	5,300	5,300	5,300	5,300	5,300	5,300	53,000
358 WWTP Normal Extensions & Replacements	0	0	10	0	0	0	0	0	0	0	10
360 SELA Sewerage Relocation Costs	844	643	0	0	0	17	578	2,145	0	0	4,227
368 Wetland Assimilation	8,300	300	0	0	0	0	0	0	0	0	8,600
375 Sewerage Hurricane Recovery Bonds	15,610	5,000	5,000	7,000	0	0	0	0	0	0	32,610
382 Paving Repair Contracts	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	10,000
383 Sewerage Hurricane Recovery Bonds (Non FEMA)	2,000	0	0	0	0	0	0	0	0	0	2,000
TOTAL SEWERAGE SYSTEM	77,975	66,695	62,585	94,911	31,785	23,702	33,193	36,730	42,995	42,620	513,191
SEWERAGE TREATMENT											
348 Ext & Replace -Treatment Plants	8,580	3,595	4,805	5,225	850	0	0	0	0	0	23,055
381 Modification & Extension of WBSTP to 20/50 MGD	1,305	1,590	2,935	210	0	2,500	0	0	650	7,000	16,190
TOTAL SEWERAGE TREATMENT	9,885	5,185	7,740	5,435	850	2,500	0	0	650	7,000	39,245
600 Sewer Share of Power Projects	10,587	8,133	2,448	90	490	40	40	40	40	40	21,948
702 Sewer Reserve for Emergencies	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	20,000
800 Sewer Share of General Budget Items	12,599	9,338	8,288	6,934	7,386	7,382	8,257	6,596	6,353	6,292	79,425
TOTAL SEWERAGE DEPARTMENT	\$113,046	\$91,351	\$83,061	\$109,370	\$42,511	\$35,624	\$43,490	\$45,366	\$52,038	\$57,952	\$673,809

**Sewerage & Water Board of New Orleans
Sewer Cost of Service Model
Financing Plan**

	Fiscal Year				
	2016	2017	2018	2019	2020
1 Revenues under Existing Rates	\$ 95,657,370	\$ 96,594,813	\$ 97,541,442	\$ 98,497,348	\$ 99,462,622
2 Additional Revenue from Rate Increase	9,167,165	19,842,184	31,794,446	45,166,369	60,116,162
3 Total Sewer Sales Revenues	\$ 104,824,535	\$ 116,436,997	\$ 129,335,888	\$ 143,663,717	\$ 159,578,784
4 Plumbing inspection & license fees	326,081	326,081	326,081	326,081	326,081
5 Revenue Sharing (State)	-	-	-	-	-
6 Other Income	597,321	597,321	597,321	597,321	597,321
7 Additional Revenue	-	-	-	-	-
8 Total Operating Revenue	\$ 105,747,937	\$ 117,360,399	\$ 130,259,290	\$ 144,587,119	\$ 160,502,186
9 Baseline O&M Expense	\$ 57,124,566	\$ 58,718,724	\$ 60,368,391	\$ 62,075,616	\$ 63,842,531
10 Additional O&M Expense	1,974,875	4,008,996	6,104,141	8,262,140	8,510,005
11 O&M Savings	(331,557)	(642,308)	(682,162)	(723,403)	(766,084)
12 Total O&M Expense	\$ 58,767,884	\$ 62,085,412	\$ 65,790,370	\$ 69,614,354	\$ 71,586,452
13 Operating Income (Loss)	\$ 46,980,053	\$ 55,274,987	\$ 64,468,920	\$ 74,972,766	\$ 88,915,734
14 Non-Operating Revenue	462,061	462,061	462,061	462,061	462,061
15 FEMA Reimb. (Contract)	-	-	-	-	-
16 FEMA Reim. (Force Account)	-	-	-	-	-
Net Revenues for Debt Service	\$ 47,442,114	\$ 55,737,047	\$ 64,930,980	\$ 75,434,826	\$ 89,377,794
17 Senior Lien Debt Service					
18 Existing	\$ 18,538,060	\$ 19,806,489	\$ 18,139,057	\$ 16,713,963	\$ 16,730,455
19 Proposed	3,027,437	6,054,874	9,839,171	12,866,608	14,380,326
20 Total Senior Lien Debt Service	\$ 21,565,497	\$ 25,861,363	\$ 27,978,228	\$ 29,580,570	\$ 31,110,781
21 Senior Lien Coverage	2.20	2.16	2.32	2.55	2.87
Subordinate Debt Service					
Existing	\$6,233,582	\$6,233,582	\$6,233,582	\$6,233,582	\$6,233,582
Proposed	-	-	-	-	-
22 Subordinate Debt Service	\$ 6,233,582	\$ 6,233,582	\$ 6,233,582	\$ 6,233,582	\$ 6,233,582
23 Total Debt Service	27,799,079	32,094,945	34,211,810	35,814,152	37,344,363
24 Total Coverage	1.70	1.73	1.89	2.10	2.39
Other Uses					
25 Revenue Funded Capital	\$ 8,000,000	\$ 13,000,000	\$ 15,000,000	\$ 20,000,000	\$ 25,000,000
26 Repayment to DPW	2,425,000	-	-	-	-
27 Repayment to Claimants	486,000	486,000	-	-	-
Total Revenue Requirements	\$ 97,477,963	\$ 107,666,357	\$ 115,002,180	\$ 125,428,506	\$ 133,930,816
28 Total Surplus / (Deficit)	\$ 8,732,035	\$ 10,156,103	\$ 15,719,170	\$ 19,620,674	\$ 27,033,431

Sewerage & Water Board of New Orleans
Sewer Financial Plan Model
CIP Financing Schedule

	<i>Fiscal Year</i>				
	2016	2017	2018	2019	2020
Beginning Unspent Bond Proceeds	\$ -	\$ 10,663,307	\$ -	\$ -	\$ -
Sources of Funds					
Current Revenue Funded Capital	\$ 8,000,000	\$ 13,000,000	\$ 15,000,000	\$ 20,000,000	\$ 25,000,000
Prior Year Funds	-	-	-	-	-
Revenue Bond Proceeds	107,230,175	\$40,000,000	\$40,000,000	\$50,000,000	\$40,000,000
Participation by FEMA					
Participation by Others	35,030,016	8,471,936	8,383,748	8,035,000	1,035,000
Capital Contributions					
Total Sources	\$ 150,260,191	\$ 72,135,243	\$ 63,383,748	\$ 78,035,000	\$ 66,035,000
Uses of Funds					
Capital Improvement Program	\$ 113,046,000	\$ 91,351,000	\$ 83,061,000	\$ 109,370,000	\$ 42,511,000
Projects Carryforward	\$ -	\$ -	\$ 23,215,757	\$ 46,893,009	\$ 83,228,009
Repayment of Expended Funds	18,300,000	-	-	-	-
Debt Issuance Costs	1,731,384	600,000	600,000	750,000	600,000
Revenue Bond Reserve	6,519,500	3,400,000	3,400,000	4,250,000	3,400,000
Total Uses	\$ 139,596,884	\$ 95,351,000	\$ 110,276,757	\$ 161,263,009	\$ 129,739,009
Ending Unspent Bond Proceeds	\$ 10,663,307	\$ -	\$ -	\$ -	\$ -
Carryforward Projects	\$ -	\$ 23,215,757	\$ 46,893,009	\$ 83,228,009	\$ 63,704,009

SEWERAGE AND WATER BOARD OF NEW ORLEANS
 2016 CAPITAL BUDGET REQUESTED
 SEWERAGE DEPARTMENT (x \$1000)

C.P.#	SEWERAGE SYSTEM	2016 Requested	2016 Participation by Others	2016 Funded by S. & W.B.	2016 Unfunded
313	Ext & Replace - Sewer Force Mains EPA Consent Decree	\$8,700	\$0	\$8,700	\$0
317	Ext & Replace - Gravity Mains EPA Consent Decree	25,326	0	25,326	\$0
318	Rehabilitation Gravity Sewer System	6,435	1,035	5,400	\$0
319	Extension and Replacements - Sanitary Sewer Mains Algiers	500	0	500	\$0
326	Ext & Rep. to Pumping Stations EPA Consent Decree	3,960	0	3,960	\$0
339	Mains In D P W Contracts EPA Consent Decree	5,300	0	5,300	\$0
360	SELA Sewerage Relocation Costs	844	0	844	\$0
368	Wetland Assimilation	8,300	8,000	300	\$0
375	Sewerage Hurricane Recovery Bonds	15,610	15,610	0	\$0
382	Paving Repair Contracts	1,000	0	1,000	\$0
383	Sewerage Hurricane Recovery Bonds (Non FEMA)	2,000	0	2,000	\$0
TOTAL SEWERAGE SYSTEM		77,975	24,645	53,330	0
SEWERAGE TREATMENT					
348	Ext & Replace -Treatment Plants	8,580	0	8,580	\$0
381	Modification & Extension of WBSTP to 20/50 MGD	1,305	0	1,305	\$0
TOTAL SEWAGE TREATMENT		9,885	0	9,885	0
600	Sewer Share of Power Projects	10,587	9,739	848	\$0
702	Sewer Reserve for Emergencies	2,000	0	2,000	\$0
800	Sewer Share of General Budget Items	12,599	646	11,953	\$0
TOTAL SEWERAGE DEPARTMENT		\$113,046	\$35,030	\$78,016	\$0

SEWERAGE AND WATER BOARD OF NEW ORLEANS
 SEWERAGE DEPARTMENT (x \$1000)
 SUPPORTING SCHEDULE OF PARTICIPATION BY OTHERS

C. P. #	PARTICIPATION BY OTHERS	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	TOTAL TEN-YEAR PROGRAM	
318	Rehabilitation Gravity Sewer System	\$1,035	\$1,035	\$1,035	\$1,035	\$1,035	\$1,035	\$1,035	\$1,035	\$1,035	\$1,035	\$10,350	Force Acct
368	Wetland Assimilation	8,000	0	0	0	0	0	0	0	0	0	8,000	Coastal Wetl:
375	Sewerage Hurricane Recovery Bonds	15,610	5,000	5,000	7,000	0	0	0	0	0	0	32,610	FEMA
676	Modifications to Power Generating System HMGP	9,739	2,437	2,349	0	0	0	0	0	0	0	14,525	FEMA
807	Improvements to Central Yard & St Joseph St	646	0	0	0	0	0	0	0	0	0	646	FEMA
TOTAL ANTICIPATED PARTICIPATION		\$35,030	\$8,472	\$8,384	\$8,035	\$1,035	\$1,035	\$1,035	\$1,035	\$1,035	\$1,035	\$66,131	

SEWERAGE AND WATER BOARD OF NEW ORLEANS
 SEWERAGE DEPARTMENT (x \$1000)
 2016 CAPITAL PROGRAMS BY QUARTER

C.P.# SEWERAGE SYSTEM	2016 TOTAL PROGRAM	FIRST QUARTER	SECOND QUARTER	THIRD QUARTER	FOURTH QUARTER
313 Ext & Replace - Sewer Force Mains EPA Consent Decree	\$8,700	\$2,175	\$2,175	\$2,175	\$2,175
317 Extensions & Replacements - Gravity Mains	25,326	6,332	6,332	6,332	6,332
318 Rehabilitation Gravity Sewer System	6,435	1,609	1,609	1,609	1,609
319 Extension and Replacements - Sanitary Sewer Mains Algiers	500	125	125	125	125
326 Extensions & Replacements to Sewer Pumping Stations	3,960	990	990	990	990
339 Mains In D P W Contracts	5,300	1,325	1,325	1,325	1,325
360 SELA Sewerage Relocation Costs	844	211	211	211	211
368 Wetland Assimilation	8,300	2,075	2,075	2,075	2,075
375 Sewerage Hurricane Recovery Bonds	15,610	3,903	3,903	3,903	3,903
382 Paving Repair Contracts	1,000	250	250	250	250
383 Sewerage Hurricane Recovery Bonds (Non FEMA)	2,000	500	500	500	500
TOTAL SEWERAGE SYSTEM	77,975	19,494	19,494	19,494	19,494
C.P.# SEWAGE TREATMENT					
348 Extensions & Replacements - Treatment Plants	8,580	2,145	2,145	2,145	2,145
381 Modification & Extension of WBSTP to 20/50 MGD	1,305	326	326	326	326
TOTAL SEWAGE TREATMENT	9,885	2,471	2,471	2,471	2,471
600 Sewer Share of Power Projects	10,587	2,647	2,647	2,647	2,647
702 Sewer Reserve for Emergencies	2,000	500	500	500	500
800 Sewer Share of General Budget Items	12,599	3,150	3,150	3,150	3,150
TOTAL SEWERAGE DEPARTMENT	\$113,046	\$28,262	\$28,262	\$28,262	\$28,262

Sewerage and Water Board of New Orleans

Sewerage (w/Gen/Pow) Capital Projects Prioritization 2016-25

Funded by Participation by Others

Capital Project	Council District	Capital Project Title	Description	Calculated Score	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	TOTAL 2016-2025
318-1	Citywide	Rehabilitation of Gravity Sewer System <u>Participation by Others 45/45/10</u>	Installation of new water, sewer and drain connections at scattered sites throughout Orleans Parish (sewer portion). Participation by Others - 100% paid by Customers	10.00	\$ 1,035,000	\$ 1,035,000	\$ 1,035,000	\$ 1,035,000	\$ 1,035,000	\$ 1,035,000	\$ 1,035,000	\$ 1,035,000	\$ 1,035,000	\$ 1,035,000	\$ 10,350,000
368	Citywide	Wetland Assimilation (Other funding)	Wetland Assimilation (Others Grant)	10.00	\$ 8,000,000										\$ 8,000,000
375-2	Citywide	Sewerage Hurricane Recovery Bonds FEMA	Labor for Maintenance Services FEMA	10.00	\$ 600,000										\$ 600,000
375-5	A	Sewerage Hurricane Recovery Bonds FEMA	SPS 3 Replacement-station needs to be relocated and expanded above ground, tied to 800-2 land acquisition FEMA	10.00				\$2,000,000							\$ 2,000,000
375-8	Citywide	Sewerage Hurricane Recovery Bonds FEMA	Sludge Dryer at EBSTP (FEMA)	10.00	\$ 6,000,000										\$ 6,000,000
375-11	A	Sewerage Hurricane Recovery Bonds FEMA	SPS 8 Replacement-station needs to be relocated above ground FEMA HMGP Contract 3664	10.00	\$ 4,010,000										\$ 4,010,000
375-19	Citywide	Sewerage Hurricane Recovery Bonds FEMA	Future Repairs related to ESSA (Emergency Sewer Service Assessment) II - FEMA	10.00	\$ 5,000,000	\$ 5,000,000	\$ 5,000,000	\$ 5,000,000							\$ 20,000,000
676-1	Citywide	Modifications to the Power Generating System (34/15/53) HMGP	Retrofit Boilers 1, 3 - 6 including auxiliary equipment and systems construction and engineering Contract 1370 (HMGP)	10.00	\$ 5,789,930										\$ 5,789,930
676-2	Citywide	Modifications to the Power Generating System (34/15/53) HMGP	Refurbish Turbines 3, including controls upgrade Contract 1373(HMGP)	10.00		\$ 2,275,200									\$ 2,275,200
676-3	Citywide	Modifications to the Power Generating System (34/15/53) HMGP	Refurbish Turbines 5, including controls upgrade Contract 1372(HMGP)	10.00	\$ 2,308,200										\$ 2,308,200
676-9	A, B	Modifications to the Power Generating System (34/15/53) HMGP	Design Build Contract 6249 to replace feeders RS-T6, RSC, RSE, CFC, 406, 202, 506, 404, 416, 302 (HMGP)	10.00	\$ 375,000										\$ 375,000

<u>Capital Project</u>	<u>Council District</u>	<u>Capital Project Title</u>	<u>Description</u>	<u>Calculated Score</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>TOTAL 2016-2025</u>
676-10	A, B	Modifications to the Power Generating System (34/15/53) HMGP	C 6248 Feeders from CWTP HMGP	10.00	\$ 15,000										\$ 15,000
807-19	D	Improvements to Central Yard & St. Joseph Street FEMA .33/33/34 W/S/D	Central Yard: Repairs/replacement of Garage 1 & 2, Body Shop, including frame rack, paint booth, air compressor, shop equipment FEMA	10.00	\$ 645,725										\$ 645,725
676-6	Citywide	Modifications to the Power Generating System (34/15/53) HMGP	Oak Street Pump Station Retrofit Contract 1368 design, construction and engineering services (HMGP FEMA)	10.00		\$ 161,736	\$ 2,348,748								\$ 2,510,484
676-7	Citywide	Modifications to the Power Generating System (34/15/53) HMGP	Hardening of power plant Contract 1371	10.00	\$ 460,211										\$ 460,211
676-8	Citywide	Modifications to the Power Generating System (34/15/53) HMGP	Emergency fuel storage construction and engineering Contract 1369	10.00	\$ 790,950										\$ 790,950
Total Sewerage Capital Program - Funded by Others					\$ 35,030,016	\$ 8,471,936	\$ 8,383,748	\$ 8,035,000	\$ 1,035,000	\$ 1,035,000	\$ 1,035,000	\$ 1,035,000	\$ 1,035,000	\$ 1,035,000	\$ 66,130,700

Funded by Sewerage & Water Board of New Orleans

326-1	Citywide	Networks Extensions & Repl of Sewage Pumping Stations 33/33/33 W/S/D	Labor for Maintenance Services Sewer Funds	10.00	\$ 500,000	\$ 550,000	\$ 550,000	\$ 600,000	\$ 600,000	\$ 650,000	\$ 650,000	\$ 700,000	\$ 700,000	\$ 750,000	\$ 6,250,000
368	Citywide	Wetland Assimilation (Other funding)	Wetland Assimilation (Others Grant)	10.00	\$ 300,000	\$ 300,000									\$ 600,000
383	Citywide	Sewerage Hurricane Recovery Bonds non-FEMA	Sludge Dryer at EBSTP (non-FEMA)	10.00	\$ 2,000,000										\$ 2,000,000
360	A,B,D	SELA Relocation Costs	Entergy Temporary Relocations & S&WB Forensic Engineering	10.00	\$ 843,500	\$ 643,333			\$ 17,000	\$ 577,500	\$ 2,145,000				\$ 4,226,333
613-10	Citywide	Normal Extensions & Replacements 35/5/60 W/S/D:	Purchase (C6251) and installation (C6252) transformers T2 and T2, including duct bank constructions	10.00	\$ 57,500										\$ 57,500
702	Citywide	Water Reserve for Emergencies	Contingency	10.00	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 20,000,000
676-9	A, B	Modifications to the Power Generating System (34/15/53) HMGP	Design Build Contract 6249 to replace feeders RS-T6, RSC, RSE, CFC, 406, 202, 506, 404, 416, 302 (HMGP)	10.00	\$ 750,000										\$ 750,000
812-15	Citywide	New Development Contract Work 33/33/34 W/S/D	Programming done for implementations of new systems and system expansions such as CAM replacement, Financial System replacement or bringing up new modules of current software.	10.00	\$ 300,000	\$ 200,000	\$ 34,000	\$ 34,000	\$ 34,000	\$ 34,000	\$ 34,000	\$ 34,000	\$ 34,000	\$ 34,000	\$ 772,000
820	Citywide	Overhead charged to Capital 33/33/34 W/S/D	Portion of overhead attributed to capital from operations and maintenance	10.00	\$ 2,971,000	\$ 2,971,000	\$ 2,971,000	\$ 2,971,000	\$ 2,971,000	\$ 2,971,000	\$ 2,971,000	\$ 2,971,000	\$ 2,971,000	\$ 2,971,000	\$ 29,710,000

<u>Capital Project</u>	<u>Council District</u>	<u>Capital Project Title</u>	<u>Description</u>	<u>Calculated Score</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>TOTAL 2016-2025</u>
843-17	Citywide	Mainframe UPS Battery Replacement 33/33/34 W/S/D	Replacement of UPS Batteries purchased in 2006.	10.00	\$ 28,400				\$ 2,500	\$ 2,500		\$ 2,500	\$ 2,500	\$ 2,500	\$ 38,400
843-26	Citywide	Server Expansion 33/33/34 W/S/D	Additional Server Purchases	10.00	\$ 7,300	\$ 7,300	\$ 7,300	\$ 7,300	\$ 7,300	\$ 7,300	\$ 7,300	\$ 7,300	\$ 7,300	\$ 7,300	\$ 73,000
843-33	Citywide	Personal Computers 33/33/34 W/S/D	Phased replacement of all personal computers throughout the Board	10.00	\$ 24,000	\$ 10,000	\$ 10,000	\$ 67,000	\$ 20,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 67,000	\$ 20,000	\$ 248,000
812-5	Citywide	CAM Replacement 50/50 W/S	Replacement of Customer Billing system	9.78	\$ 450,000										\$ 450,000
812-7	Citywide	Financial System Replacement 33/33/34 W/S/D	Replacement of Financial system (Budget, A/R, GJ, Warehouse, Fixed Assets, etc.)	9.78	\$ 1,000,000	\$ 166,667									\$ 1,166,667
843-45	Citywide	Mainframe/Dasd	Replacement of obsolete mainframe and dasd storage unit	9.76	\$ 46,667										\$ 46,667
317-1	Citywide	Network Extensions and Repl of Gravity	SSERP Management	9.71	\$ 630,000	\$ 1,560,000	\$ 410,000	\$ 1,493,000	\$ 1,000,000	\$ 2,000,000	\$ 4,180,000	\$ 2,100,000	\$ 1,610,000	\$ 1,610,000	\$ 16,593,000
317-13	E	Network Extensions and Repl of Gravity	Contract No. 3987 Lower Ninth Ward Sewer Rehabilitation No. 6 -Final Restoration Only	9.71	\$ 5,200,000	\$ 5,200,000									\$ 10,400,000
317-20	E	Network Extensions and Repl of Gravity	Contract No. 3732 New Orleans East Sewer Rehabilitation No. 1	9.71		\$ 3,613,985	\$ 3,613,985								\$ 7,227,970
317-21	E	Network Extensions and Repl of Gravity	Contract No. 3740 South Shore Sewer Rehabilitation Comprehensive Repairs No. 1	9.71			\$ 8,485,952								\$ 8,485,952
317-22	E	Network Extensions and Repl of Gravity	Contract No. 3733 New Orleans East Sewer Rehabilitation No. 2 -Final Restoration Only	9.71		\$ 3,107,090	\$ 3,107,090								\$ 6,214,180
317-23	E	Network Extensions and Repl of Gravity	Contract No. 3741 South Shore Sewer Rehabilitation Comprehensive Repairs No. 2	9.71			\$ 9,506,605								\$ 9,506,605
317-26	E	Network Extensions and Repl of Gravity	Contract No. 3723, New Orleans East Cleaning, CCTV and Repair	9.71			\$ 4,758,191								\$ 4,758,191
317-43	A	Network Extensions and Repl of Gravity	Contract No. 3726 Mid-City Sewer Rehabilitation No. 4	9.71				\$ 8,846,491							\$ 8,846,491
317-44	E	Network Extensions and Repl of Gravity	Contract 3739 South Shore Cleaning, CCTV and Repair	9.71			\$ 1,217,722								\$ 1,217,722
317-47	B	Network Extensions and Repl of Gravity	Contract No. 3702 Carrollton Sewer Rehabilitation No. 9	9.71				\$ 10,778,439							\$ 10,778,439
317-48	B	Network Extensions and Repl of Gravity	Contract No. 3999 Carrollton Sewer Rehabilitation No. 6	9.71				\$ 10,284,138							\$ 10,284,138
317-49	B	Network Extensions and Repl of Gravity	Contract No. 3996 Carrollton Sewer Rehabilitation No. 3	9.71	\$ 8,068,121	\$ 8,068,121									\$ 16,136,242
317-51	B	Network Extensions and Repl of Gravity	Contact No. 3701 Carrollton Sewer Rehabilitation No. 7	9.71				\$ 12,013,803							\$ 12,013,803
317-52	B	Network Extensions and Repl of Gravity	Contact No. 3998 Carrollton Sewer Rehabilitation No. 5	9.71	\$ 4,451,271	\$ 4,451,271									\$ 8,902,542
317-53	B	Network Extensions and Repl of Gravity	Contact No. 3997 Carrollton Sewer Rehabilitation No. 4	9.71	\$ 6,026,966	\$ 6,026,966									\$ 12,053,932

<u>Capital Project</u>	<u>Council District</u>	<u>Capital Project Title</u>	<u>Description</u>	<u>Calculated Score</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>TOTAL 2016-2025</u>
317-56	A	Network Extensions and Repl of Gravity	Contract No. 3727-Mid-City Sewer Rehabilitation No. 9	9.71				\$ 12,000,827							\$ 12,000,827
317-58	A	Network Extensions and Repl of Gravity	Contract No. 3722, Mid-City CCTV and Repair	9.71				\$ 9,159,051							\$ 9,159,051
317-60	A	Network Extensions and Repl of Gravity	Contract No. 3737, Carrollton Mistletoe 18-inch Sewer Line Replacement	9.71	\$ 250,000										\$ 250,000
318-2	Citywide	Rehabilitation of Gravity Sewer System	Restoration of gravity sewer mains by point repair, full line replacement, CIPP lining and paving restoration at scattered sites throughout Orleans parish.	9.67	\$ 2,100,000	\$ 2,000,000	\$ 2,100,000	\$ 2,000,000	\$ 4,000,000	\$ 2,000,000	\$ 4,000,000	\$ 4,000,000	\$ 4,000,000	\$ 4,000,000	\$ 30,200,000
318-3	Citywide	Rehabilitation of Gravity Sewer System	Manhole to Manhole sanitary sewer main replacement at various locations throughout Orleans Parish	9.67	\$ 3,300,000	\$ 2,000,000	\$ 3,300,000	\$ 2,000,000	\$ 3,400,000	\$ 2,000,000	\$ 3,500,000	\$ 3,500,000	\$ 3,500,000	\$ 3,500,000	\$ 30,000,000
326-3	B, C	Networks Extensions & Repl of Sewage Pumping Stations	SPS A-Replace switchgear followed by repair of 4-60 cycle and 2.25-cycle motors pumping units	9.66	\$ 1,000,000	\$ 500,000	\$ 1,000,000	\$ 500,000	\$ 1,000,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 5,500,000
843-28	Citywide	Vault Server Refresh 33/33/34 W/S/D	"Refresh /Replace" Vault server	9.66					\$ 36,000						\$ 36,000
843-32	Citywide	Network UPS Replacement 33/33/34 W/S/D	Replacement of Uninterruptible Power Systems for the Network Devices	9.57	\$ 4,000	\$ 4,000	\$ 4,000	\$ 4,000	\$ 4,000	\$ 4,000	\$ 4,000	\$ 4,000	\$ 4,000	\$ 4,000	\$ 40,000
843-42	Citywide	Update Network Infrastructure	Purchase of new routers and switches beyond useful life	9.57	\$ 35,000										\$ 35,000
843-19	Citywide	EOC Satellite Hookup-Carrollton 33/33/34 W/S/D	Enhancement of communications during emergencies.	9.53			\$ 2,000								\$ 2,000
624-1	Citywide	Normal Extensions & Replacements 35/5/60 W/S/D:	Normal Extensions and Replacement to Existing Electrical Distribution, Control, and Utilization Equipment and Facilities as needed to ensure reliability and functional capability of the Power Network.	9.50	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 400,000
824	B	Improvements to Central Yard & St. Joseph Street 50/50 W/S	Furnishing brass water service fittings, meter, boxes, and meter box parts	9.50	\$ 1,084,000	\$ 1,084,000	\$ 1,084,000	\$ 1,084,000	\$ 1,084,000	\$ 1,084,000	\$ 1,084,000	\$ 1,084,000	\$ 1,084,000	\$ 1,084,300	\$ 10,840,600
843-25	Citywide	Server Refresh 33/33/34 W/S/D	Upgrade and Replacement of all Board Servers as they reach the 5-7 year age	9.48	\$ 16,800	\$ 16,800	\$ 16,800	\$ 16,800	\$ 16,800	\$ 16,800	\$ 16,800	\$ 16,800	\$ 16,800	\$ 16,800	\$ 168,000
812-14	Citywide	Desktop Software 33/33/34 W/S/D	Upgrades of Office Desktop Suite to replace Office 2000 and Windows 2000 and XP.	9.46	\$ 90,000		\$ 166,000		\$ 30,000		\$ 30,000		\$ 30,000		\$ 346,000
348-1	Citywide	Normal Extensions and Replacements - Waste Water Treatment Plants (Eastbank)	FBI Exhaust Improvements at EBSTP	9.42	\$ 1,500,000										\$ 1,500,000

<u>Capital Project</u>	<u>Council District</u>	<u>Capital Project Title</u>	<u>Description</u>	<u>Calculated Score</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>TOTAL 2016-2025</u>
326-12	B, C	Networks Extensions & Repl of Sewage Pumping Stations	Design, engineering services and construction to permanent repair structural for SPS A.	9.32	\$ 300,000	\$ 2,700,000									\$ 3,000,000
843-39	Citywide	High Volume Scanners 33/33/34 W/S/D	Replacement of High Volume Scanners used for Networks and Revenue documents	9.31	\$ 3,333		\$ 6,666				\$ 3,333	\$ 3,333			\$ 16,665
843-16	Citywide	Micre Printer (checks) 33/33/34 W/S/D	Check Printer	9.19	\$ 2,500										\$ 2,500
843-27	Citywide	Oracle Server Refresh 33/33/34 W/S/D	"Refresh /Replace" Oracle Database server	9.13					\$ 6,600						\$ 6,600
843-38	Citywide	Printers 33/33/34 W/S/D	Replacement Printers	9.13	\$13,333	\$7,000	\$7,000	\$10,000	\$10,000	\$7,000	\$7,000	\$5,333	\$ 5,333	\$ 5,333	\$ 77,332
348-2	Citywide	Normal Extensions and Replacements - Waste Water Treatment Plants (Eastbank)	Rehabilitate OASIS Trains #1 - 4 at EBSTP	9.08	\$ 1,500,000	\$ 1,500,000	\$ 1,750,000	\$ 1,750,000							\$ 6,500,000
348-16	Citywide	Normal Extensions and Replacements - Waste Water Treatment Plants (Eastbank)	Purchase spare pumps for emergencies: RAS pump, sludge pumps, schwing pumps	9.07	\$ 300,000	\$ 300,000	\$ 500,000	\$ 500,000	\$ 500,000						\$ 2,100,000
326-10	Citywide	Networks Extensions & Repl of Sewage Pumping Stations	Update of SCADA systems for SPSs	9.01	\$ 10,000	\$ 1,000,000	\$ 1,000,000								\$ 2,010,000
812-9	Citywide	Windows Server Software and applicable Client Access Licenses 33/33/34 W/S/D	Upgrade of Network server software, and applicable user licenses	9.00	\$ 2,166	\$ 16,000	\$ 10,000	\$ 11,500	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 69,666
810-5	Citywide	Major Equipment Purchases 33/33/34 W/S/D	Garage I Diagnostic equipment and upgraded every other year	8.80	\$ 1,650		\$ 1,815		\$ 1,815						\$ 5,280
812-13	Citywide	Web Developer Software 33/33/34 W/S/D	Upgrades and Replacement of software used by web developer for web design and maintenance.	8.76			\$ 1,000								\$ 1,000
326-4	Citywide	Networks Extensions & Repl of Sewage Pumping Stations	Miscellaneous Repairs to SPS (Repair of water lines, discharge lines, vacuum lines, bubblers, roofs, doors, fences and storm windows, canopies, paving)	8.75	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 10,000,000
326-5	A	Networks Extensions & Repl of Sewage Pumping Stations	SPS Blvd X-Replace pumps	8.75	\$ 500,000										\$ 500,000
326-6	A	Networks Extensions & Repl of Sewage Pumping Stations	SPS 1 Replacement - station needs to be relocated and expanded above ground, tied to 800-2	8.75	\$ 200,000	\$ 2,000,000									\$ 2,200,000
348-15	Citywide	Normal Extensions and Replacements - Waste Water Treatment Plants (Eastbank)	Install new sludge receiving station to process West Bank Sludge	8.75	\$ 200,000										\$ 200,000

<u>Capital Project</u>	<u>Council District</u>	<u>Capital Project Title</u>	<u>Description</u>	<u>Calculated Score</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>TOTAL 2016-2025</u>
800-2	A	Property Acquisition 100% S	Land Acquisition for SPS 1; tied to 327-7	8.75	\$ 500,000	\$ 500,000									\$ 1,000,000
843-35	Citywide	Board Room AV Renovation 33/33/34 W/S/D	Renovation, upgrade and replacement of Audio-Visual Equipment in the Board Room--microphones, cameras, encoder, etc.	8.72	\$ 5,000										\$ 5,000
843-14	Citywide	System Wide General Wiring 33/33/34 W/S/D	General Wiring for new data drops and special wiring runs.	8.64	\$ 10,000	\$ 15,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 105,000
843-24	Citywide	Security-New Badge Reading System 33/33/34 W/S/D	Replacement of Security Badge servers, software, etc.	8.64	\$ 50,000										\$ 50,000
843-30	Citywide	IP Unified Communication 33/33/34 W/S/D	Voice over IP Telephone System	8.59	\$ 133,000	\$ 133,000									\$ 266,000
812-25	Citywide	Environmental Compliance Software	Fats, Oil, and Grease (FOG) additional module for current system	8.55	\$ 2,805										\$ 2,805
843-36	Citywide	Travel AV / Offsite AV Projectors, etc. 33/33/34 W/S/D	Replacement of current and purchase of additional pc projectors and related equipment for use at scattered sites around the Board and offsite from the Board	8.52	\$ 1,666	\$ 1,666		\$ 1,666							\$ 4,998
812-12	Citywide	Miscellaneous Software 33/33/34 W/S/D	Unspecified software often needed "immediately" by user to complete important project.	8.46	\$ 5,000	\$ 7,000	\$ 3,300	\$ 3,300	\$ 3,300	\$ 3,300	\$ 3,300	\$ 3,300	\$ 3,300	\$ 3,300	\$ 38,400
313-4	A	Networks Extensions and Repl of Sewer FM	Contract 30011 Sewer FM Replacement on Memphis (Fillmore to Lane St.)	8.44	\$ 1,700,000										\$ 1,700,000
313-6	C	Networks Extensions and Repl of Sewer FM	Replace 20" CI SFM on Holiday from Gen Meyer to Gen DeGaul	8.44	\$ 3,600,000										\$ 3,600,000
313-7	D	Networks Extensions and Repl of Sewer FM	Replace 18" SFM from Bridge Plaza SPS to Kansas Valve A12V2SS	8.44	\$ 1,500,000										\$ 1,500,000
812-24	Citywide	Update Network Infrastructure-Firewall	Replace firewall with more secure hardware and software.	8.37	\$ 20,000										\$ 20,000
843-12	Citywide	Mobile Computing-\$5,000 per truck 50/50 W/S	Purchase of laptop, retrofitting of trucks, etc.	8.19	\$ 10,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 25,000	\$ 25,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 485,000
326-7	Citywide	Networks Extensions & Repl of Sewage Pumping Stations (33/33/34 W/S/D)	Forensics Structural engineering services for analysis of sewer pump stations	8.75	\$ 50,000	\$ 40,000	\$ 40,000								\$ 130,000
313-8	E	Networks Extensions and Repl of Sewer FM	Replace 12" CI Sewer FM on Hayne Blvd from Jourdan Rd to ODownman Rd to Hayne	8.44	\$ 1,500,000										\$ 1,500,000

<u>Capital Project</u>	<u>Council District</u>	<u>Capital Project Title</u>	<u>Description</u>	<u>Calculated Score</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>TOTAL 2016-2025</u>
313-10	D	Networks Extensions and Repl of Sewer FM	Replace 24" AC SFM on Morrison Rd from Liggett SPS to Shorewood SPS to Oak island	8.44				\$ 6,000,000	\$ 6,000,000	\$ 6,000,000					\$ 18,000,000
348-6	Citywide	Normal Extensions and Replacements - Waste Water Treatment Plants (Eastbank)	Improvements to EBSTP Headworks-Repair automation; replace header pipe for north pump house; influent channel cleaning	8.42	\$ 750,000	\$ 250,000	\$ 700,000								\$ 1,700,000
812-10	Citywide	Cassworks Replacement 40/40/20 WSD	Upgrade or Replacement of Cassworks CMMS system	8.33		\$ 1,500,000	\$ 1,000,000								\$ 2,500,000
319-1	C	Normal Extension and Replacement of Sewer Mains in Algiers Basin	Installation of Emergency Disconnects at Algiers Sewer Pumping Stations	8.22	\$ 500,000	\$ 500,000	\$ 500,000								\$ 1,500,000
843-37	Citywide	Plotters 33/33/34 W/S/D	Replacement Plotters (Central Yard)	8.13	\$ 3,000		\$ 4,275	\$ 4,000			\$ 4,000	\$ 4,000			\$ 19,275
842-1	Citywide	Revenue Department Equipment Purchases .50/50 W/S	Replace Opex remittance processing and mail extraction equipment	7.90				\$ 30,000							\$ 30,000
610	A	Additions & Replacement to Underground Power Distribution Feeders 100%	New 60 cycle feed from DPS 1 to DPS 2 to A includes new duct bank from 2 to A; provides reliability	7.79		\$ 5,500,000									\$ 5,500,000
382	Citywide	Networks Paving Replacement	Paving of sewer lines	7.68	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 10,000,000
339	Citywide	Network Installation of Sewer Mains in DPW Paving Proj	Installation of sewer mains on DPW Paving contracts-verify payback is in another source	7.68	\$ 5,300,000	\$ 5,300,000	\$ 5,300,000	\$ 5,300,000	\$ 5,300,000	\$ 5,300,000	\$ 5,300,000	\$ 5,300,000	\$ 5,300,000	\$ 5,300,000	\$ 53,000,000
326-2	D, E	Networks Extensions & Repl of Sewage Pumping Stations	SPS 9, 16 and 23 electrical repairs to below grade equipment (Contract 3783) design and construction	7.61					\$ 1,000,000						\$ 1,000,000
313-2	Citywide	Networks Extensions and Repl of Sewer FM	CCTV of sewer FM	7.60	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 5,000,000
313-3	D, E	Networks Extensions and Repl of Sewer FM	Replacement of large diameter forcemains	7.60	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000		\$ 10,000,000	\$ 10,000,000	\$ 10,000,000	\$ 10,000,000	\$ 35,000,000
348-4	Citywide	Normal Extensions and Replacements - Waste Water Treatment Plants (Eastbank)	Electrical System Evaluation Study and Upgrades at EBSTP	7.49	\$ 1,800,000	\$ 600,000	\$ 500,000	\$ 500,000							\$ 3,400,000

<u>Capital Project</u>	<u>Council District</u>	<u>Capital Project Title</u>	<u>Description</u>	<u>Calculated Score</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>TOTAL 2016-2025</u>
348-7	Citywide	Normal Extensions and Replacements - Waste Water Treatment Plants (Eastbank)	Improvements to EBSTP Return Activated Sludge	7.49	\$ 800,000										\$ 800,000
348-9	Citywide	Normal Extensions and Replacements - Waste Water Treatment Plants (Eastbank)	Install MOV on influent valves to facilitate faster opening and closing	7.49		\$ 180,000									\$ 180,000
348-10	Citywide	Normal Extensions and Replacements - Waste Water Treatment Plants (Eastbank)	Improvements to Sludge Handling at EBSTP	7.49	\$ 200,000										\$ 200,000
348-13	Citywide	Normal Extensions and Replacements - Waste Water Treatment Plants (Eastbank)	Rehabilitation of Oxygen Reactor Area EBSTP-LOX tank replacement	7.49	\$ 150,000			\$ 750,000							\$ 900,000
348-17	Citywide	Normal Extensions and Replacements - Waste Water Treatment Plants (Eastbank)	Solids Processing: Demolition of Multiple Hearth at EBSTP	7.49	\$ 350,000										\$ 350,000
348-18	Citywide	Normal Extensions and Replacements - Waste Water Treatment Plants (Eastbank)	Install automatic transfer switch for Entergy service to Plant	7.49			\$ 400,000								\$ 400,000
348-19	Citywide	Normal Extensions and Replacements - Waste Water Treatment Plants (Eastbank)	SCADA System Upgrades at EBSTP	7.49	\$ 150,000	\$ 150,000		\$ 150,000							\$ 450,000
348-20	Citywide	Normal Extensions and Replacements - Waste Water Treatment Plants (Eastbank)	Grease processing system-install system to process and feed FOG into FBI	7.49				\$ 250,000							\$ 250,000
348-21	Citywide	Normal Extensions and Replacements - Waste Water Treatment Plants (Eastbank)	Rehabilitate belt filter process	7.49					\$ 350,000						\$ 350,000
348-22	Citywide	Normal Extensions and Replacements - Waste Water Treatment Plants (Eastbank)	Actuators for Storm Pump Valves	7.49	\$ 120,000										\$ 120,000
348-23	Citywide	Normal Extensions and Replacements - Waste Water Treatment Plants (Eastbank)	Remove accumulation from Mixed Liquor channel at exit of bio-reactors	7.49				\$ 150,000							\$ 150,000
843-44	Citywide	Disaster Recovery / Failover Site	Additional hardware and software to serve as a backup site in case of a major failure at St Joseph Street	7.47	\$ 82,758										\$ 82,758

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326-13	A	Networks Extensions & Repl of Sewage Pumping Stations	SPS 21 repair to wiring of high level unit	7.44	\$ 100,000										\$ 100,000
348-14	Citywide	Normal Extensions and Replacements - Waste Water Treatment Plants (Eastbank)	Replace main air compressor at EBSTP	7.35			\$ 180,000								\$ 180,000
381-3	C	Improvements to the WBSTP	Construction of NaHOCl tank storage system & pump delivery; eliminating storage of liquid chlorine, Contract 3606	7.35	\$ 1,000,000										\$ 1,000,000
348-11	Citywide	Normal Extensions and Replacements - Waste Water Treatment Plants (Eastbank)	Miscellaneous capital need for EBSTP - Plant wide alarm system, painting and repairs, bracing for generator building door	7.31	\$ 210,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000						\$ 510,000
326-9	C	Networks Extensions & Repl of Sewage Pumping Stations	Park Timbers SPS- elevate electrical switchgear	7.27			\$ 200,000								\$ 200,000
348-12	Citywide	Normal Extensions and Replacements - Waste Water Treatment Plants (Eastbank)	Final Clarifier Improvements EBSTP-line the influent line from the OASIS to clarifiers, replace drive units	7.24	\$ 550,000	\$ 440,000	\$ 700,000	\$ 550,000							\$ 2,240,000
613-7	Citywide	Modifications to the Power Generating System 35/5/60 W/S/D	Inspect and refurbish Turbine No.1	7.24				\$ 50,060	\$ 450,000						\$ 500,060
326-14	C	Networks Extensions & Repl of Sewage Pumping Stations	Huntlee SPS - rehabilitation of station	7.19			\$ 500,000								\$ 500,000
810-1	Citywide	Major Equipment Purchases 33/33/34 W/S/D	Vehicle replacement (large trucks, cranes, etc.) at approximately 15 equipment and 15 heavy trucks each year.	7.18	\$ 410,000	\$ 410,000	\$ 410,000	\$ 410,000	\$ 410,000	\$ 410,000	\$ 410,000	\$ 410,000	\$ 410,000	\$ 410,000	\$ 4,100,000
823	Citywide	Purchase of Water Meters 50/50 W/S	Replace or install new water meters	7.13	\$ 1,000,000	\$ 1,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 14,000,000
326-11	C	Networks Extensions & Repl of Sewage Pumping Stations	Garden Oaks SPS- elevate electrical switchgear	7.10				\$ 200,000							\$ 200,000
326-15	C	Networks Extensions & Repl of Sewage Pumping Stations	Horace SPS - rehabilitation of station	7.10			\$ 500,000								\$ 500,000
326-16	C	Networks Extensions & Repl of Sewage Pumping Stations	Holiday SPS - rehabilitation of station	7.10	\$ 500,000										\$ 500,000
613-11	Citywide	Modifications to the Power Generating System 60/5/35 W/S/D	Repairs to CWPP Frequency Changer	7.10		\$ 150,000	\$ 5,000								\$ 155,000

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313-12	Citywide	Networks Extensions and Repl of Sewer FM	Replacing water hydraulic operated valve/operations throughout system: By SPS A: 269V04SS, 269V05SS, 269V06SS, 269V07SS, 269V08SS, 269V09SS, 269V10SS, 269V11SS, 269V14SS; SPS B: 435V1SS; on Florida Ave just west of St. Bernard Ave. (Lakeview SFM); 293V5SS; A17V1SS at Gen Meyer and Holiday; 387V1SS Florida and Metropolitan, 54"; 432V1SS Bulk Terminal, 54"; Install new 54" valve on Dody and Dwyer; 482V1SS Bullard and Dwyer; 231V1SS, 231V2SS, 231V3SS Brooks and Memphis St.; 508V3SS Shorewood	6.99	\$ 500,000	\$ 500,000	\$ 2,000,000	\$ 500,000	\$ 2,000,000	\$ 500,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 14,000,000
613-17	Citywide	Modifications to the Power Generating System 60/5/35 W/S/D	Structural design and repairs to water treatment system in Power House	6.97		\$ 6,000	\$ 54,000							\$ 60,000	
807-1	B	Improvements to Central Yard & St. Joseph Street 33/33/34 W/S/D	St. Joseph: Replace 2nd floor IT air conditioning unit pumps, drive motors and controls	6.96	\$ 2,000,000										\$ 2,000,000
381-1	C	Improvements to the WBSTP	Westbank Sewage Treatment Plant Expansion	6.91								\$ 650,000	\$ 7,000,000		\$ 7,650,000
381-4	C	Improvements to the WBSTP	Rehabilitate clarifiers	6.91			\$ 200,000	\$ 85,000							\$ 285,000
381-5	C	Improvements to the WBSTP	Miscellaneous Repairs at WBSTP (repairs to #2 air compressor)	6.91	\$ 100,000										\$ 100,000
381-6	C	Improvements to the WBSTP	Headworks Repair at WBSTP (grit pump replacement, install weir covers)	6.91	\$ 50,000	\$ 200,000									\$ 250,000
381-7	C	Improvements to the WBSTP	Effluent Pumps Repair at WBSTP	6.91	\$ 35,000	\$ 35,000	\$ 35,000								\$ 105,000
381-8	C	Improvements to the WBSTP	Trickling Filter Improvements at WBSTP- Main Pump Rehabilitation	6.91	\$ 120,000	\$ 120,000		\$ 125,000							\$ 365,000
381-10	C	Improvements to the WBSTP	Emergency Generator and Switchgear at WBSTP	6.91		\$ 985,000									\$ 985,000
381-13	C	Improvements to the WBSTP	Solids Handling Improvements at WBSTP	6.91		\$ 250,000									\$ 250,000
381-15	C	Improvements to the WBSTP	Stormwater Management at WBSTP	6.91						\$ 2,500,000					\$ 2,500,000
348-3	Citywide	Normal Extensions and Replacements - Waste Water Treatment Plants (Eastbank)	Pave Access Road from Florida Ave to Plant Gate; paving inside the plant	6.82		\$ 100,000		\$ 200,000							\$ 300,000

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807-7	B	Improvements to Central Yard & St. Joseph Street 33/33/34 W/S/D	Replace window seals (Atrium is leaking)	6.75	\$ 6,600	\$ 6,600									\$ 13,200
807-14	B	Improvements to Central Yard & St. Joseph Street 33/33/34 W/S/D	Install new fencing from Garage I to Gas Station	6.75	\$ 6,600										\$ 6,600
807-16	B	Improvements to Central Yard & St. Joseph Street 33/33/34 W/S/D	Replace electric gate near warehouse	6.75	\$ 16,500										\$ 16,500
807-6	B	Improvements to Central Yard & St. Joseph Street .33/33/34 W/S/D	Replace/repair west hydraulic elevator	6.57	\$ 51,150										\$ 51,150
317-2	Citywide	Network Extensions and Repl of Gravity	Sewer extension	6.41	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 2,000,000
317-3	Citywide	Network Extensions and Repl of Gravity	CCTV of gravity sewers	6.41	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 5,000,000
313-11	D	Networks Extensions and Repl of Sewer FM	Replace 16" AC SFM from Paris Rd SPS to Chef Menteur	6.17						\$ 6,000,000					\$ 6,000,000
807-15	D	Improvements to Central Yard & St. Joseph Street .33/33/34 W/S/D	Central Yard: Install security system, including cameras in Warehouse, replace card access, etc.	6.10			\$ 100,000								\$ 100,000
843-46	Citywide	Office chairs (41 x 500)	Replacement of old, worn out desk chairs	6.02	\$ 6,833										\$ 6,833
313-5	D	Networks Extensions and Repl of Sewer FM	Replace Sewer FM from Folgers to Michoud SPS	5.90		\$ 3,600,000									\$ 3,600,000
810-6	Citywide	Major Equipment Purchases 33/33/34 W/S/D	Garage I Replacement of 2 hydraulic lifts	5.80						\$ 16,500	\$ 16,350	\$ 16,500	\$ 16,500	\$ 16,500	\$ 65,850
810-7	Citywide	Major Equipment Purchases 33/33/34 W/S/D	Garage II Replacement of 2 heavy equipment lift for wheel alignment, front end rack	5.80					\$ 16,500	\$ 16,500	\$ 16,500	\$ 16,500	\$ 16,500	\$ 16,500	\$ 82,500
843-1	Citywide	Minor Equipment Purchases .33/33/34 W/S/D	Vehicle replacement (small trucks, cars, etc.) at 15 each year	5.80	\$ 500,000	\$ 200,000	\$ 200,000	\$ 220,000	\$ 220,000	\$ 240,000	\$ 240,000	\$ 260,000	\$ 260,000	\$ 280,000	\$ 2,620,000
313-1	Citywide	Networks Extensions and Repl of Sewer FM	Condition assessment, rehab & replace of sewer force mains	5.79	\$ 2,000,000	\$ 1,000,000	\$ 2,250,000	\$ 1,000,000	\$ 2,250,000	\$ 1,000,000	\$ 2,250,000	\$ 2,250,000	\$ 1,000,000	\$ 1,000,000	\$ 16,000,000
807-5	D	Improvements to Central Yard & St. Joseph Street FEMA 33/33/34 W/S/D	St. Josephs: Replace elevator controls, cable and governance of east elevator.	5.63	\$ 100,000										\$ 100,000
843-47	Citywide	A V Systems at Carrollton and Central Yard	Install A V system similar to Board Room system at Carrollton and upgrade A V in CY conference room.	5.53	\$ 50,000										\$ 50,000
812-3	Citywide	Computer Systems Development .33/33/34 W/S/D	Support Services: Replace or upgrade Cyndrus vehicle management system	5.47			\$ 165,000								\$ 165,000

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807-4	D	Improvements to Central Yard & St. Joseph Street 33/33/34 W/S/D	St. Josephs: Replace plumbing in the 18 restrooms floor by floor.	5.43	\$ 40,000	\$ 6,800	\$ 7,000								\$ 53,800
807-12	D	Improvements to Central Yard & St. Joseph Street 33/33/34 W/S/D	Secure perimeter with new chain link fence. Includes deep footing for support and security.	5.43	\$ 33,000										\$ 33,000
807-2	B	Improvements to Central Yard & St. Joseph Street 33/33/34 W/S/D	St. Josephs: Replacement of switchgear upgrade and automatic transfer switch and house generator	5.40	\$ 660,000										\$ 660,000
808-2	E	Improvements to Customer Service Satellite Stations 50/50 W/S	Rental for new Orleans East Satellite Bldg.	5.33	\$ 100,000										\$ 100,000
381-2	C	Improvements to the WBSTP	Construction of containment levee and DPS, Contract 3602.	5.11			\$ 2,700,000								\$ 2,700,000
319-2	C	Normal Extension and Replacement of Sewer Mains in Algiers Basin	Design, engineering, const mgmt., const, testing, inspect and certification for the rehab of the sanitary sewer manholes and line segments within the Algiers Basin	5.02								\$ 10,150,000	\$ 10,225,000		\$ 20,375,000
348-5	Citywide	Normal Extensions and Replacements - Waste Water Treatment Plants (Eastbank)	Replace Utility water pumps and strainers	5.00					\$ 275,000						\$ 275,000
807-13	D	Improvements to Central Yard & St. Joseph Street 33/33/34 W/S/D	Central Yard: Renovation of old warehouse	5.00							\$ 33,500	\$ 330,000			\$ 363,500
843-6	Citywide	Minor Equipment Purchases 33/33/34 W/S/D	Grounds Maintenance: Posthole driver, iron wheel for curve edges	5.00	\$ 33,000										\$ 33,000
358	Citywide	WWTP Normal Extensions & Replacements	Capacity analysis and evaluation EBSTP	4.87			\$ 10,000								\$ 10,000
807-22	B	Improvements to Central Yard & St. Joseph Street 33/33/34 W/S/D	Repaving of parking lot	4.54	\$ 33,000										\$ 33,000
812-1	Citywide	Computer Systems Development 33/33/34 W/S/D	Warehouse: Install scanning equipment for inventory, labeling barcodes and associated software	4.54	\$ 3,300										\$ 3,300
843-41	C	New West Bank Yard 33/33/34 W/S/D	Design and construction of new west bank yard, include land acquisition	3.93					\$ 500,000	\$ 500,000	\$ 2,000,000				\$ 3,000,000
812-2	Citywide	Computer Systems Development 33/33/34 W/S/D	Fuel Islands: Replace existing fuel access system.	3.92		\$ 165,000									\$ 165,000

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807-21	D	Improvements to Central Yard & St. Joseph Street FEMA .33/33/34 W/S/D	Central Yard: Body Shop and Garage renovation by raising to safe water level Currently unfunded by FEMA	3.81		\$ 660,000									\$ 660,000
808-1	C	Improvements to Customer Service Satellite Stations 50/50 W/S	Installation of security cameras and access cards	3.75		\$ 200,000									\$ 200,000
807-17	D	Improvements to Central Yard & St. Joseph Street .33/33/34 W/S/D	Central Yard: Fuel Island -Provide for installation of canopy and lights	3.49			\$ 16,500				\$ 330,000	\$ 330,000	\$ 330,000	\$ 330,000	\$ 1,006,500
807-18	D	Improvements to Central Yard & St. Joseph Street .33/33/34 W/S/D	Central Yard: Fuel Island -Upgrade or replace fuel island	3.12						\$ 330,000					\$ 330,000
TOTAL					\$ 78,015,719	\$ 82,879,599	\$ 74,676,201	\$ 101,335,374	\$ 41,476,315	\$ 34,589,400	\$ 42,454,733	\$ 44,330,916	\$ 51,002,533	\$ 56,916,533	\$ 607,677,323
TOTAL SEWERAGE CAPITAL PROGRAM					\$ 113,045,735	\$ 91,351,535	\$ 83,059,949	\$ 109,370,374	\$ 42,511,315	\$ 35,624,400	\$ 43,489,733	\$ 45,365,916	\$ 52,037,533	\$ 57,951,533	\$ 673,808,023

SEWERAGE AND WATER BOARD OF NEW ORLEANS
 TEN-YEAR CAPITAL PROGRAM
 DRAINAGE DEPARTMENT (x \$1000)

C.P.# CANALS	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	TOTAL TEN-YEAR PROGRAM
418 Normal Extensions & Replacements	\$750	\$750	\$770	\$770	\$790	\$790	\$810	\$810	\$810	\$1,430	\$8,480
439 Major Drainage Participation in D P W Projects	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	5,000	43,700
453 Improvements to Metairie Relief Canal (S&WB 76% Part.)	5,992	0	0	0	0	0	0	0	0	0	5,992
466 Louisiana Avenue Canal (SELA)	600	600	600	0	0	0	0	0	0	0	1,800
471 SELA Program Management (**)	1,500	1,500	1,500	0	0	0	0	0	0	0	4,500
472 Tchoupitoulas Corridor Drainage	0	0	0	0	0	0	0	0	250	12000	12,250
474 Melpomene Street Canal	0	0	0	0	0	0	0	0	0	0	0
476 Hollygrove Canal (SELA)	0	0	0	0	0	0	0	0	0	0	0
478 So. Claiborne-Lowerline To Monticello St. (SELA)	220	220	0	0	0	0	0	0	0	0	440
483 Airline & Monticello Canal Improvements	50	948	30,000	500	0	0	0	0	0	0	31,498
486 Napoleon Avenue Canal Improvements (SELA)	450	300	0	0	0	0	0	0	0	0	750
492 Donner Canal Improvements (SELA)	17	595	2,210	112,788	0	0	0	0	0	0	115,610
496 General De Gaulle Canal (SELA)	0	70,000	70,000	0	0	0	0	0	0	0	140,000
497 Florida Avenue Canal - DPS # 19 to Peoples (SELA)	950	300	0	0	0	0	0	0	0	0	1,250
498 Dwyer Intake Canal (St. Charles Canal to Dwyer DPS) (SELA)	50	0	0	0	0	0	0	0	0	0	50
499 Jefferson Avenue Canal (SELA)	910	910	510	0	0	0	0	0	0	0	2,330
TOTAL DRAINAGE CANALS	\$15,789	\$80,423	\$109,890	\$118,358	\$5,090	\$5,090	\$5,110	\$5,110	\$5,360	\$18,430	\$368,650

SEWERAGE AND WATER BOARD OF NEW ORLEANS
 TEN-YEAR CAPITAL PROGRAM
 DRAINAGE DEPARTMENT (x \$1000)

C.P.# PUMPING STATIONS	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	TOTAL TEN-YEAR PROGRAM
511 Normal Extensions & Replacements - Stations	\$17,077	\$52,673	\$28,748	\$14,340	\$2,820	\$2,880	\$3,880	\$22,371	\$26,929	\$17,107	\$188,825
512 Expansion of DPS #15	0	1,220	14,500	0	0	0	0	0	0	0	15,720
535 DPS # 6 Improvements	340	0	160	1,680	320	0	0	0	12,500	12,500	27,500
546 DPS #4 West - Build a 1000 CFS Station (SELA)	0	0	0	0	0	0	0	0	0	25,908	25,908
573 DPS # 13 Improvements (SELA)	440	6,000	1,000	10,000	1,000	33,050	0	0	0	0	51,490
575 Hurricane Recovery Bonds	6,600	0	0	0	0	0	0	0	0	0	6,600
576 COE Storm Proofing Projects	0	0	0	0	0	0	0	0	0	0	0
578 Permanent Pump Stations at the Lake,Elaine DPS Repairs	0	0	200	0	0	0	0	0	0	0	200
TOTAL DRAINAGE PUMPING STATION	24,457	59,893	44,608	26,020	4,140	35,930	3,880	22,371	39,429	55,515	316,243
600 Drainage Share of Power Projects	61,212	31,000	11,418	5,015	12,180	18,380	14,980	1,480	1,480	1,480	158,625
703 Drainage Reserve for Emergencies	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	20,000
800 Drainage Share of General Budget Items	11,459	6,214	4,862	4,376	4,557	4,377	6,452	4,540	4,499	4,215	55,551
TOTAL DRAINAGE DEPARTMENT	\$114,917	\$179,530	\$172,778	\$155,769	\$27,967	\$65,777	\$32,422	\$35,501	\$52,768	\$81,640	\$919,069

Sewerage & Water Board of New Orleans
 Drainage Cost of Service Model
 CIP Financing Plan

Line No	Description	Fiscal Year Ending December 31,				
		2015	2016	2017	2018	2019
		\$	\$	\$	\$	\$
1	Three-Mill Ad Valorem Tax Revenue (4.66 Mills) (a)	14,052,600	14,052,600	14,333,700	0	0
2	Six-Mill Ad Valorem Tax Revenue (4.71 Mills)	14,201,900	14,201,900	14,485,900	14,775,600	15,071,100
3	Nine-Mill Ad Valorem Tax Revenue (7.06 Mills)	21,240,400	21,240,400	21,665,200	22,098,500	22,540,500
4	Other Miscellaneous Income	581,700	588,000	594,000	600,000	606,000
5	Interest Income	178,900	213,900	259,400	204,200	34,000
6	Interest from Bond Reserve Fund	0	0	0	0	0
7	Total Operating Revenue	50,255,500	50,296,800	51,338,200	37,678,300	38,251,600
8	Operation & Maintenance	(39,216,300)	(40,401,800)	(41,614,100)	(42,862,500)	(44,148,300)
9	Provision for Claims	(995,900)	(1,025,800)	(1,056,500)	(1,088,200)	(1,120,900)
10	Provision for Doubtful Accounts	(247,500)	(247,500)	(252,400)	(184,400)	(188,100)
11	Net Operating Revenue	9,795,800	8,621,700	8,415,200	(6,456,800)	(7,205,700)
	Debt Service					
	Senior Lien Revenue Bonds					
12	Existing	(2,014,400)	(2,017,100)	(2,024,100)	(2,028,400)	(2,028,600)
13	Projected	0	0	0	0	0
14	Subtotal	(2,014,400)	(2,017,100)	(2,024,100)	(2,028,400)	(2,028,600)
15	Gulf Opportunity Zone Act Loan	(407,600)	(407,600)	(407,600)	(407,600)	(407,600)
16	SELA Capital Repayment	0	0	0	(8,300,000)	(8,300,000)
17	Total Debt Service	(2,422,000)	(2,424,700)	(2,431,700)	(10,736,000)	(10,736,200)
18	Other Non-Operating Revenue	701,700	701,700	701,700	701,700	701,700
19	Transfer to Construction	0	0	0	0	0
20	Due from (to) Other Departments	(771,800)	(2,196,000)	(921,000)	0	0
21	Transfer to Operating Reserve Fund	(3,752,900)	(1,235,200)	(149,800)	(153,900)	(149,400)
22	Net Annual Balance	3,550,800	3,467,500	5,614,400	(16,645,000)	(17,389,600)
23	Beginning of Year Cash Balance (b)	15,453,600	19,004,400	22,471,900	28,086,300	11,441,300
24	End of Year Balance	19,004,400	22,471,900	28,086,300	11,441,300	(5,948,300)
25	Beginning of Year Cash Balance	15,453,600	22,757,300	26,224,800	31,839,200	15,194,200
26	Operating Reserve Fund	3,752,900				
27	Net annual Balance	3,550,800	3,467,500	5,614,400	(16,645,000)	(17,389,600)
28	End of Year Balance	22,757,300	26,224,800	31,839,200	15,194,200	(2,195,400)
29	Days of O&M Cash on Hand	212	237	279	129	(18)
30	Annual Test (c)	1054.4%	1053.0%	1070.4%	1089.5%	1111.1%
31	Additional Bonds Test (d)	1038.7%	1038.7%	1059.4%	1080.6%	1102.2%

Sewerage & Water Board of New Orleans
 Drainage Cost of Service Model
 CIP Financing Plan

Line No	Description	Fiscal Year Ending December 31,					Total
		2015	2016	2017	2018	2019	
		\$	\$	\$	\$	\$	\$
1	Funds Available at Beginning of Year	20,866,300	186,000	9,662,100	996,800	957,000	20,866,300
2	Revenue Bond Proceeds	0	0	0	0	0	0
3	Operation Fund Transfers	0	0	0	0	0	0
4	Participation by Others	94,553,000	15,663,200	112,655,900	150,796,300	619,000	374,287,400
5	Interest Income	106,000	49,400	53,800	9,600	9,000	227,800
6	Total Funds Available	115,525,300	15,898,600	122,371,800	151,802,700	1,585,000	395,381,500
7	Obligated Contracts & Capital Jobs	(13,387,300)	0	0	0	0	(13,387,300)
8	Reinvestment in Assets	(117,110,000)	(51,480,400)	(38,601,900)	(51,137,400)	(23,405,000)	(281,734,700)
9	Major Capital Additions	(22,842,000)	(24,756,100)	(118,773,100)	(189,708,300)	(18,345,800)	(374,425,300)
10	Deferred Capital Improvements	38,000,000	70,000,000	36,000,000	90,000,000	41,000,000	275,000,000
11	Bond Issuance Expense	0	0	0	0	0	0
12	Revenue Bond Reserve Fund	0	0	0	0	0	0
13	Total Application of Funds	(115,339,300)	(6,236,500)	(121,375,000)	(150,845,700)	(750,800)	(394,547,300)
14	End of Year Balance	186,000	9,662,100	996,800	957,000	834,200	834,200

SEWERAGE AND WATER BOARD OF NEW ORLEANS
 2016 CAPITAL BUDGET REQUESTED
 DRAINAGE DEPARTMENT (x \$1000)

C.P.# CANALS	2016 Requested	2016 Participation by Others	2016 Funded by S. & W.B.	2016 Unfunded
418 Normal Extensions & Replacements	\$750	\$230	\$0	\$520
439 Major Drainage Participation in D P W Projects	4,300	0	0	\$4,300
453 Improvements to Metairie Relief Canal (S&WB 76% Part.)	5,992	1,408	4,584	\$0
466 Louisiana Avenue Canal (SELA)	600	0	600	\$0
471 SELA Program Management	1,500	0	0	\$1,500
478 So. Claiborne-Lowerline To Monticello St. (SELA)	220	0	220	\$0
483 Airline & Monticello Canal Improvements	50	50	0	\$0
486 Napoleon Avenue Canal Improvements (SELA)	450	0	450	\$0
492 Donner Canal Improvements (SELA)	17	0	0	\$17
497 Florida Avenue Canal - DPS # 19 to Peoples (SELA)	950	0	950	\$0
498 Dwyer Intake Canal (St. Charles Canal to Dwyer DPS) (SELA)	50	0	50	\$0
499 Jefferson Avenue Canal (SELA)	910	0	910	\$0
TOTAL DRAINAGE CANALS	\$15,789	\$1,688	\$7,764	\$6,337

SEWERAGE AND WATER BOARD OF NEW ORLEANS
 TEN-YEAR CAPITAL PROGRAM
 DRAINAGE DEPARTMENT (x \$1000)

C.P.#	2016 Requested	2016 Participation by Others	2016 Funded by S. & W.B.	2016 Unfunded
C.P.# PUMPING STATIONS				
511 Normal Extensions & Replacements - Stations	\$17,077	\$1,013	\$0	\$16,064
535 DPS # 6 Improvements	340	0	0	\$340
573 DPS # 13 Improvements (SELA)	440	0	0	\$440
575 Hurricane Recovery Bonds	6,600	6,600	0	\$0
TOTAL DRAINAGE PUMPING STATION	24,457	7,613	0	16,844
600 Drainage Share of Power Projects	61,212	54,685	50	\$6,477
703 Drainage Reserve for Emergencies	2,000	0	0	\$2,000
800 Drainage Share of General Budget Items	11,459	646	185	\$10,628
TOTAL DRAINAGE DEPARTMENT	\$114,917	\$64,632	\$7,999	\$42,286

SEWERAGE AND WATER BOARD OF NEW ORLEANS
DRAINAGE DEPARTMENT (x \$1000)
SUPPORTING SCHEDULE OF PARTICIPATION BY OTHERS

C. P. #	PARTICIPATION BY OTHERS	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	TOTAL TEN-YEAR PROGRAM	
418	Normal Extensions & Replacements	\$230	\$230	\$230	\$230	\$230	\$230	\$230	\$230	\$230	\$230	\$2,300	Force Acct
453	Improvements to Metairie Relief Canal (S&WB 76% Part.)	1,408	0	0	0	0	0	0	0	0	0	1,408	Jeff Parish
472	Tchoupitoulas Corridor	0	0	0	0	0	0	0	0	0	1,850	1,850	Dock Board
483	Airline and Monticello	50	948	30,000	500	0	0	0	0	0	0	31,498	Jeff Parish
492	Donner Canal Improvements (SELA)	0	0	0	112,788	0	0	0	0	0	0	112,788	C O E
496	General DeGaulle Canal (SELA)	0	70,000	70,000	0	0	0	0	0	0	0	140,000	C O E ; RPC
511	Normal Extensions & Replacements - DPS	1,013	13,457	0	0	0	0	0	0	0	0	14,470	FEMA
535	DPS # 6 Improvements	0	0	160	320	320	0	0	0	4,000	4,000	8,800	Jeff Parish
546	DPS # 4 West - Build a 1000 CSF Station (SELA)	0	0	0	0	0	0	0	0	0	20,726	20,726	C O E
575	Hurricane Recovery Bonds	6,600	0	0	0	0	0	0	0	0	0	6,600	FEMA
613	Modifications to Power Generating System	1,400	0	0	0	0	0	0	0	0	0	1,400	C O E
676	Modifications to Power Generating System HMGP	53,285	29,478	0	0	0	0	0	0	0	0	82,763	FEMA
807	Improvements to Central Yard & St Joseph St	646	0	0	0	0	0	0	0	0	0	646	FEMA
TOTAL ANTICIPATED PARTICIPATION		\$64,632	\$114,113	\$100,390	\$113,838	\$550	\$230	\$230	\$230	\$4,230	\$26,806	\$425,249	

SEWERAGE AND WATER BOARD OF NEW ORLEANS
 DRAINAGE DEPARTMENT (x \$1000)
 2016 CAPITAL PROGRAM BY QUARTER

C.P.#	2016 TOTAL PROGRAM	FIRST QUARTER	SECOND QUARTER	THIRD QUARTER	FOURTH QUARTER
C.P.# DRAINAGE CANALS					
418 Normal Extensions & Replacements	\$750	\$188	\$188	\$188	\$188
439 Major Drainage Participation in D P W Projects	4,300	1,075	1,075	1,075	1,075
453 Improvements to Metairie Relief Canal (S&WB 76% Part.)	5,992	1,498	1,498	1,498	1,498
466 Louisiana Avenue Canal (SELA)	600	150	150	150	150
471 SELA Program Management (**)	1,500	375	375	375	375
472 Tchoupitoulas Corridor Drainage	0	0	0	0	0
474 Melpomene Street Canal	0	0	0	0	0
476 Hollygrove Canal (SELA)	0	0	0	0	0
478 So. Claiborne-Lowerline To Monticello St. (SELA)	220	55	55	55	55
483 Airline & Monticello Canal Improvements	50	13	13	13	13
486 Napoleon Avenue Canal Improvements (SELA)	450	113	113	113	113
492 Donner Canal Improvements (SELA)	17	4	4	4	4
496 General De Gaulle Canal (SELA)	0	0	0	0	0
497 Florida Avenue Canal - DPS # 19 to Peoples (SELA)	950	238	238	238	238
498 Dwyer Intake Canal (St. Charles Canal to Dwyer DPS) (SELA)	50	13	13	13	13
499 Jefferson Avenue Canal (SELA)	910	228	228	228	228
TOTAL DRAINAGE CANALS	15,789	3,947	3,947	3,947	3,947
C.P.# DRAINAGE PUMPING STATIONS					
511 Normal Extensions & Replacements - Stations	17,077	4,269	4,269	4,269	4,269
512 Expansion of DPS #15	0	0	0	0	0
535 DPS # 6 Improvements	340	85	85	85	85
546 DPS #4 West - Build a 1000 CFS Station (SELA)	0	0	0	0	0
573 DPS # 13 Improvements (SELA)	440	110	110	110	110
575 Hurricane Recovery Bonds	6,600	1,650	1,650	1,650	1,650
576 COE Storm Proofing Projects	0	0	0	0	0
578 Permanent Pump Stations at the Lake, Elaine DPS Repairs	0	0	0	0	0
TOTAL DRAINAGE PUMPING STATION	24,457	6,114	6,114	6,114	6,114
600 Drainage Share of Power Projects	61,212	15,303	15,303	15,303	15,303
703 Drainage Reserve for Emergencies	2,000	500	500	500	500
800 Drainage Share of General Budget Items	11,459	2,865	2,865	2,865	2,865
TOTAL DRAINAGE DEPARTMENT	\$114,917	\$28,729	\$28,729	\$28,729	\$28,729

Sewerage and Water Board of New Orleans

Drainage (w/Gen/Pow) Capital Projects Prioritization 2016-25

Funded by Participation by Others																
Capital Project #	Council District	Capital Project Title	Description	Calculated Score	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total 2016-2025	
418-2	Citywide	Normal Extensions & Repairs of Canals	Force Account Work that will be funded 100% via participation by others (developers, property owners, etc.)	10.00	\$ 230,000	\$ 230,000	\$ 230,000	\$ 230,000	\$ 230,000	\$ 230,000	\$ 230,000	\$ 230,000	\$ 230,000	\$ 230,000	\$ 2,300,000	
453	A	Metairie Relief Canal - Jefferson Parish	Widen the existing Metairie Relief Canal from Palmetto to Airline Highway. Jefferson Parish has proposed this project. SWBNO 76% / Jefferson parish 24% (\$15,000,000) Project tied to 483.	10.00	\$ 1,408,225										\$ 1,408,225	
483	A	Airline and Monticello Jefferson Parish Portion	Construction of a new canal at Airline Drive in coordination with Jefferson Parish. This project will include crossing Airline Drive and will complete the improvements to the Monticello Canal. SWBNO 76%, Jefferson 24% -\$33.5M Scheduling this work must be coordinated with Jefferson Parish and Project 453	10.00		\$ 720,000	\$ 7,200,000	\$ 120,000							\$ 8,040,000	
483	A	Airline and Monticello SWBNO (Grant)	Construction of a new canal at Airline Drive in coordination with Jefferson Parish. This project will include crossing Airline Drive and will complete the improvements to the Monticello Canal. SWBNO 76%, Jefferson 24% -\$33.5M Scheduling this work must be coordinated with Jefferson Parish and Project 453	10.00	\$ 50,000	\$ 228,000	\$ 22,800,000	\$ 380,000							\$ 23,458,000	
511-1	D	Normal Extensions & Replacement-DPS FEMA	DPS 17/Station "D" - Structural repairs of the building (rollup door), upgrade HVAC at the drainage and sewerage operations offices (FEMA)	10.00	\$ 1,012,900	\$ 13,457,100									\$ 14,470,000	
575-1	Citywide	Water Hurricane Recovery Bond FEMA (33/33/33 W/S/D)	Labor for Maintenance Services FEMA	10.00	\$ 600,000										\$ 600,000	
575-2	Citywide	Water Hurricane Recovery Bond FEMA	Hurricane Katrina Repairs to New Carrollton Underpass Pumping Station	10.00	\$ 1,000,000										\$ 1,000,000	
575-3	Citywide	Water Hurricane Recovery Bond FEMA	Hurricane Katrina Repairs to Broad Street Underpass Pumping Station	10.00	\$ 1,000,000										\$ 1,000,000	
575-4	Citywide	Water Hurricane Recovery Bond FEMA	Hurricane Katrina Repairs to Paris Underpass Pumping Station	10.00	\$ 1,000,000										\$ 1,000,000	
575-5	Citywide	Water Hurricane Recovery Bond FEMA	Hurricane Katrina Repairs to Hospital Underpass Pumping Station	10.00	\$ 1,000,000										\$ 1,000,000	
575-6	Citywide	Water Hurricane Recovery Bond FEMA	Hurricane Katrina Repairs to Press Underpass Pumping Station	10.00	\$ 1,000,000										\$ 1,000,000	
575-7	Citywide	Water Hurricane Recovery Bond FEMA	Hurricane Katrina Repairs to Marconi Underpass Pumping Station	10.00	\$ 1,000,000										\$ 1,000,000	

<u>Capital Project #</u>	<u>Council District</u>	<u>Capital Project Title</u>	<u>Description</u>	<u>Calculated Score</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>Total 2016-2025</u>
613-1	Citywide	Modifications to the Power Generating System FEMA 100% D	Contract 1350-Rehab/replace Turbine #4 Steam Path, condenser, Rotor (This 20 Megawatt unit is currently available for emergency use with a reduced capacity of 8,000 KW); install 8 transmitters tied into high lift chart readers; update governor control system	10.00	\$ 300,000										\$ 300,000
613-2	Citywide	Modifications to the Power Generating System FEMA	Contract 1378- Rehab of Boilers 1 and 3, Duct and Elevators (FEMA)	10.00	\$ 1,100,000										\$ 1,100,000
676-1	Citywide	Modifications to the Power Generating System 100% D HMGP	Contract 1370 Retrofit Boilers 1, 3 - 6 including auxiliary equipment/ electrical and I&C systems (HMGP)	10.00	\$ 37,275,000										\$ 37,275,000
676-2	Citywide	Modifications to the Power Generating System 100% D HMGP	Contract 1373 Refurbish Turbine 3, including controls upgrade (HMGP)	10.00		\$ 21,179,000									\$ 21,179,000
676-3	Citywide	Modifications to the Power Generating System 100% D HMGP	Contract 1372 Refurbish Turbine 5, including controls upgrade (HMGP)	10.00	\$ 14,235,880										\$ 14,235,880
676-6	Citywide	Modifications to the Power Generating System (34/15/53) HMGP	Oak Street Pump Station Retrofit Contract 1368 design, construction and engineering services (HMGP FEMA)	10.00	\$ 571,467	\$ 8,298,910									\$ 8,870,376
676-7	Citywide	Modifications to the Power Generating System 100% D HMGP	Contract 1371 Hardening of power plant including inspecting and refurbishing the overhead cranes at low lift, structural repairs to the boiler room	10.00	\$ 250,000										\$ 250,000
676-8	Citywide	Modifications to the Power Generating System 100% D HMGP	Contract 1369 Rehabilitation of current above ground fuel storage tank to provide seven (7) days of fuel for boilers, and turbines	10.00	\$ 750,000										\$ 750,000
676-9	A, B	Additions & Replacement to Underground Power Distribution Feeders HMGP	Design Build Contract 6249 to replace feeders RS-T6, RSC, RSE, CFC, 406, 202, 506, 404, 416, 302 (HMGP)	10.00	\$ 150,000										\$ 150,000
676-10	A, B	Additions & Replacement to Underground Power Distribution Feeders HMGP	C 6248 Feeders from CWTP HMGP	10.00	\$ 53,000										\$ 53,000
807-19	D	Improvements to Central Yard & St. Joseph Street FEMA 33/33/34 W/S/D	Central Yard: Repairs/replacement of Garage 1 & 2, Body Shop, including frame rack, paint booth, shop equipment FEMA	10.00	\$ 645,725										\$ 645,725
492	C	Donner Canal, Algiers Outfall Canal & Nolan Canal Improvements COE (65% Cost Share)	Engineering, construction and inspection including channel excavation, construction of new culverts, and construction of concrete open canal flumes associated with the Donner, Algiers Outfall and Nolan Canals. This work is included in the proposed Algiers Basin - Plan E drainage improvement area. Eng. Est \$110,000,000 Corps of Engineer SELA Program 65%	7.74				\$ 82,500,000							\$ 82,500,000

<u>Capital Project #</u>	<u>Council District</u>	<u>Capital Project Title</u>	<u>Description</u>	<u>Calculated Score</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>Total 2016-2025</u>
492	C	Donner Canal, Algiers Outfall Canal & Nolan Canal Improvements SWBNO (35% Cost share minus relocation and engineering fees)	Engineering, construction and inspection including channel excavation, construction of new culverts, and construction of concrete open canal flumes associated with the Donner, Algiers Outfall and Nolan Canals. This work is included in the proposed Algiers Basin - Plan E drainage improvement area. Eng. Est. \$110,000,000 Corps of Engineer SELA Program 65%	7.74				\$ 30,288,000							\$ 30,288,000
496-1	C	General DeGaulle Canal Improvements COE (75% Cost Share)	Design, construction and inspection of drainage improvements within the General DeGaulle right of way between the Norman Canal and Wall Boulevard, Indiana St between Seine and Gen'l DeGaulle, Sandra Dr/Pace St, Holiday Dr between Gen'l DeGaulle and Vixen, Memorial Park between Texas and the Algiers Outfall Canal, and Lang between Gen'l DeGaulle and Berkley. This work is included in the proposed Algiers Basin-Plan E improvement area. Eng. Est. \$140,000,000 Corps of Engineer SELA Program 65%	7.74		\$ 52,500,000	\$ 52,500,000								\$ 105,000,000
496-1	C	General DeGaulle Canal Improvements SWBNO (25% Cost share minus relocation and engineering fees)	Design, construction and inspection of drainage improvements within the General DeGaulle right of way between the Norman Canal and Wall Boulevard, Indiana St between Seine and Gen'l DeGaulle, Sandra Dr/Pace St, Holiday Dr between Gen'l DeGaulle and Vixen, Memorial Park between Texas and the Algiers Outfall Canal, and Lang between Gen'l DeGaulle and Berkley. This work is included in the proposed Algiers Basin-Plan E improvement area. Eng. Est. \$140,000,000 Corps of Engineer SELA Program 65%	7.74		\$ 17,500,000	\$ 17,500,000								\$ 35,000,000

<u>Capital Project #</u>	<u>Council District</u>	<u>Capital Project Title</u>	<u>Description</u>	<u>Calculated Score</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>Total 2016-2025</u>											
535-1	A	Improvements at DPS 6 Jefferson parish	DPS 6 - Repairs and Modifications to Vertical Pumps 1, 2 & 3	6.49			\$ 160,000								\$ 160,000											
535-2	A	Improvements at DPS 6 Jefferson parish	DPS 6 - Additional 2000 cfs capacity	6.49								\$ 4,000,000	\$ 4,000,000		\$ 8,000,000											
546	D	New Drainage Station 4W COE	DPS 4W - A new drainage facility is required to supplement the western portion of the drainage basin served by DPS 4. This station will have 1000 cfs capacity with 100% on-site power generation. This project (Contract 5140) is in the construction phase. Costs are associated with engineering services during construction. Design is nearly complete by Design Engineering, Inc. with funding to be provided under the future COE SELA program \$20,726,400.	5.57									\$ 20,726,000	\$ 20,726,000	\$ 20,726,000											
535-3	A	Improvements at DPS 6 - Jefferson Parish	DPS 6 - Painting outside equipment	5.10			\$ 320,000								\$ 320,000											
535-4	A	Improvements at DPS 6 - Jefferson Parish	DPS 6 -Remove the trash screen, fence, etc., and cover the Avc. C suction bay	5.10				\$ 320,000							\$ 320,000											
472	A, B	Tchoupitoulas Corridor Drainage -Dock Board	Construction of approximately 1300 feet of 96"x154" RCAP or a poured in place box culvert in the Napoleon Avenue right of way between Tchoupitoulas and Constance St. <u>Note:</u> The Dock Board has verbally committed \$1,850,000 towards these projects. However, the SWBNO has completed the Nashville Canal extension and has not yet received compensation for the work already performed. The Dock Board has been notified that no additional work will be initiated until past accounts are resolved in full.	4.88									\$ 1,850,000	\$ 1,850,000	\$ 1,850,000											
Total Sewerage Capital Program - Funded by Others					\$	64,632,197	\$	114,113,010	\$	100,390,000	\$	113,838,000	\$	550,000	\$	230,000	\$	230,000	\$	230,000	\$	4,230,000	\$	26,806,000	\$	425,249,207

Capital Project #	Council District	Capital Project Title	Description	Calculated Score	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total 2016-2025
Funded by Sewerage & Water Board of New Orleans															
453	A	Metairie Relief Canal <u>SWBNO (Grant)</u>	Widen the existing Metairie Relief Canal from Palmetto to Airline Highway. Jefferson Parish has proposed this project. SWBNO 76% / Jefferson parish 24% (\$15,000,000) Project tied to 483.	10.00	\$ 4,584,223										\$ 4,584,223
466-4	B	Louisiana Avenue Canal Entergy Temporary Relocations & S&WB Forensic Engineering (20/20/60 -W/S/D)	Construction of covered canal in Louisiana Avenue right of way from S. Claiborne to Constance. This project will be constructed as a single project and take five years to complete. Paving costs associated with this construction project will be paid by DPW construction and engineering) and are currently estimated at \$22 million. The estimate for damage claims is listed under Extra Work. Eng. Est. \$123,000,000 Corps of Engineer SELA Program 65%	10.00	\$ 600,000	\$ 600,000	\$ 600,000								\$ 1,800,000
478-1	A	S. Claiborne Ave Canal Phase I (Monticello St to Leonidas St) - Contract 4180CE <u>SWBNO Engineering Fees</u>	Design, const & inspection of new drainage canal on S. Claiborne between Lowerline & Monticello. This work will be completed in two phases (Contract 4180CE). Construction will take four years to complete. Extra Work is consultant costs, damage claims and landscaping. Corps of Engineer SELA Program. 65%	10.00	\$ 50,000	\$ 50,000									\$ 100,000
478-1	A	S. Claiborne Ave Canal Phase I (Monticello St to Leonidas St) - Contract 4180CE Entergy Temporary Relocations & S&WB Forensic Engineering (20/20/60)	Design, const & inspection of new drainage canal on S. Claiborne between Lowerline & Monticello. This work will be completed in two phases (Contract 4180CE). Construction will take four years to complete. Extra Work is consultant costs, damage claims and landscaping. Corps of Engineer SELA Program. 65%	10.00	\$ 60,000	\$ 60,000									\$ 120,000
478-2	A	S. Claiborne Ave Canal Phase II (Leonidas St to Lowerline St) - Contract 4181CE <u>SWBNO Engineering Fees</u>	Design, const & inspection of new drainage canal on S. Claiborne between Lowerline & Monticello (Contract 4181CE) Construction in each phase will take four years to complete. Extra Work is for consultant, damage claims and landscaping in each phase. Corps of Engineer SELA Program 65%	10.00	\$ 50,000	\$ 50,000									\$ 100,000

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478-2	A	S. Claiborne Ave Canal Phase II (Leonidas St to Lowerline St) - Contract 4181CE Energy Temporary Relocations & S&WB Forensic Engineering (20/20/60)	Design, const & inspection of new drainage canal on S. Claiborne between Lowerline & Monticello (Contract 4181CE) Construction in each phase will take four years to complete. Extra Work is for consultant, damage claims and landscaping in each phase. Corps of Engineer SELA Program 65%	10.00	\$ 60,000	\$ 60,000									\$ 120,000
486-1	B	Napoleon Ave Canal Phase II (S Claiborne Ave to Carondelet St) - Contract 4176CE SWBNO - Engineering Fees	Design, construction and inspection of an additional canal in Napoleon Avenue right of way to increase the drainage capacity in the Uptown Basin (Contract 4176CE) Const. will take two years to complete. Contract Award \$55,121,351 Corps of Engineer SELA Program 65%	10.00	\$ 100,000	\$ 50,000									\$ 150,000
486-1	B	Napoleon Ave Canal Phase II (S Claiborne Ave to Carondelet St) - Contract 4176CE Energy Temporary Relocations & S&WB Forensic Engineering (20/20/60)	Design, construction and inspection of an additional canal in Napoleon Avenue right of way to increase the drainage capacity in the Uptown Basin (Contract 4176CE) Const. will take two years to complete. Contract Award \$55,121,351 Corps of Engineer SELA Program 65%	10.00	\$ 150,000	\$ 150,000									\$ 300,000
486-2	B	Napoleon Ave Canal Phase III (Carondelet St to Constance) - Contract 4177CE SWBNO Engineering Fees	Design, construction and inspection of an additional canal in Napoleon Avenue right of way to increase the drainage capacity in the Uptown Basin (Contract 4177CE) Construction will take two years to complete. Eng. Est. \$46,101,745 Corps of Engineer SELA Program 65%	10.00	\$ 100,000										\$ 100,000
486-2	B	Napoleon Ave Canal Phase III (Carondelet St to Constance) - Contract 4177CE Energy temporary relocations & S&WB Forensic Engineering (20/20/40)	Design, construction and inspection of an additional canal in Napoleon Avenue right of way to increase the drainage capacity in the Uptown Basin (Contract 4177CE) Construction will take two years to complete. Eng. Est. \$46,101,745 Corps of Engineer SELA Program 65%	10.00	\$ 100,000	\$ 100,000									\$ 200,000
497-1	D	Florida Avenue Canal Phase I (DPS No. 19 to Mazant St) - Contract 4160CE SWBNO	Costs associated with construction of Phase I (DPS No. 19 to Mazant St - Contract 4160CE) Corps of Engineer SELA Program 100%	10.00	\$ 50,000										\$ 50,000
497-2	D	Florida Avenue Canal Phase II & III (St. Ferdinand to Mazant St) - Contract 4163CE/4164CE Energy Temporary Relocations & S&WB Forensic Engineering (20/20/60)	Design, construction and inspection of an open concrete canal within the Florida Avenue right of way between Peoples Avenue and DPS# 19. Construction of phase II (Piety St to Mazant St - Contract 4163CE) will begin in 2012. Eng. Est. \$100,544,622 Corps of Engineer SELA Program 65%	10.00	\$ 300,000	\$ 300,000									\$ 600,000

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497-4	D	Florida Avenue Canal Phase IV (Florida Ave/Peoples Canal) - Contract 4165CE Entergy temporary relocations & S&WB Forensic Engineering (20/20/60)	Design, construction and inspection of an open concrete canal within the Florida Avenue right of way between Peoples Avenue and DPS# 19. Phase III (St Ferdinand St to Piety St - Contract 4164CE) will begin in 2014. Eng. Est. \$116,203,720 Corps of Engineer SELA Program 65%.	10.00	\$ 600,000										\$ 600,000
498	E	Dwyer Intake Canal Improvements - Contract 4173CE	This project (Contract 4173CE) is currently under construction. Consulting fees are associated with engineering design during construction. Funding for claims is including in Extra Work.	10.00	\$ 50,000										\$ 50,000
499-1	A, B	Jefferson Ave Canal Phase I (S Claiborne Ave to Dryades) - Contract 4178CE SWBNO Engineering fees	Design, construction and inspection of a covered canal within the Jefferson Avenue right of way between S. Claiborne and Constance (Contract 4178CE) Corps of Engineer SELA Program 65% Eng. Est. \$65,726,775	10.00	\$ 150,000	\$ 150,000	\$ 150,000								\$ 450,000
499-1	A, B	Jefferson Ave Canal Phase I (S Claiborne Ave to Dryades) - Contract 4178CE Entergy Temporary Relocations & Forensic Engineering (20/20/60)	Design, construction and inspection of a covered canal within the Jefferson Avenue right of way between S. Claiborne and Constance (Contract 4178CE) Corps of Engineer SELA Program 65% Eng. Est. \$65,726,776	10.00	\$ 360,000	\$ 360,000	\$ 360,000								\$ 1,080,000
499-2	D	Jefferson Ave Canal Phase II (Dryades to Constance) - Contract 4179CE SWBNO Engineering Fees	Design, construction and inspection of a covered canal within the Jefferson Avenue right of way between S. Claiborne and Constance. Phase II (Dryades to Constance - Contract 4179CE) will start in 2012. Corps of Engineer SELA Program 65%	10.00	\$ 100,000	\$ 100,000									\$ 200,000
499-2	D	Jefferson Ave Canal Phase II (Dryades to Constance) - Contract 4179CE Entergy Temporary Relocations & S&WB Forensic Engineering (20/20/60)	Design, construction and inspection of a covered canal within the Jefferson Avenue right of way between S. Claiborne and Constance. Phase II (Dryades to Constance - Contract 4179CE) will start in 2012. Corps of Engineer SELA Program 65%	10.00	\$ 300,000	\$ 300,000									\$ 600,000
613-10	Citywide	Modifications to the Power Generating System 35/5/60 W/S/D	Purchase (C6251) and installation (C6252) transformers T2 and T2, including duct bank constructions	10.00	\$ 50,000										\$ 50,000
843-17	Citywide	Mainframe UPS Battery Replacement 33/33/34 W/S/D	Replacement of UPS Batteries purchased in 2006.	10.00	\$ 25,552				\$ 2,576	\$ 2,576			\$ 2,576	\$ 2,576	\$ 35,856
843-26	Citywide	Server Expansion 33/33/34 W/S/D	Additional Server Purchases	10.00	\$ 7,521	\$ 7,521	\$ 7,521	\$ 7,521	\$ 7,521	\$ 7,521	\$ 7,521	\$ 7,521	\$ 7,521	\$ 7,521	\$ 75,210
843-33	Citywide	Personal Computers 33/33/34 W/S/D	Phased replacement of all personal computers throughout the Board	10.00	\$ 24,727	\$ 10,303	\$ 10,303	\$ 69,030	\$ 20,606	\$ 10,303	\$ 10,303	\$ 10,303	\$ 69,030	\$ 20,606	\$ 255,514

Capital Project #	Council District	Capital Project Title	Description	Calculated Score	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total 2016-2025
843-45	Citywide	Mainframe / Dasd	Replacement of obsolete mainframe and dasd storage unit	9.76	\$ 48,081										\$ 48,081
843-32	Citywide	Network UPS Replacement 33/33/34 W/S/D	Replacement of Uninterruptible Power Systems for the Network Devices	9.57	\$ 4,121	\$ 4,121	\$ 4,121	\$ 4,121	\$ 4,121	\$ 4,121	\$ 4,121	\$ 4,121	\$ 4,121	\$ 4,121	\$ 41,210
843-42	Citywide	Update Network Infrastructure	Purchase of new routers and switches beyond useful life	9.57	\$ 36,061										\$ 36,061
843-25	Citywide	Server Refresh 33/33/34 W/S/D	Upgrade and Replacement of all Board Servers as they reach the 5-7 year age	9.48	\$ 17,309	\$ 17,309	\$ 17,309	\$ 17,309	\$ 17,309	\$ 17,309	\$ 17,309	\$ 17,309	\$ 17,309	\$ 17,309	\$ 173,090
843-39	Citywide	High Volume Scanners 33/33/34 W/S/D	Replacement of High Volume Scanners used for Networks and Revenue documents	9.31	\$ 3,434	\$ 6,868					\$ 3,434	\$ 3,434			\$ 17,170
812-9	Citywide	Windows Server Software and applicable Client Access Licenses 33/33/34 W/S/D	Upgrade of Network server software, and applicable user licenses	9.30	\$ 2,232	\$ 16,485	\$ 10,303	\$ 11,848	\$ 5,152	\$ 5,152	\$ 5,152	\$ 5,152	\$ 5,152	\$ 5,152	\$ 71,780
843-16	Citywide	Miere Pprinter (checks) .33/33/34 W/S/D	Check Printer	9.19	\$ 2,576										\$ 2,576
843-38	Citywide	Printers 33/33/34 W/S/D	Replacement Printers	9.13	\$13,737	\$7,212	\$7,212	\$10,303	\$10,303	\$7,212	\$7,212	\$5,495	\$ 5,495	\$ 5,495	\$ 79,676
Total					\$ 7,999,574	\$ 2,392,951	\$ 1,173,637	\$ 120,132	\$ 67,588	\$ 54,194	\$ 55,052	\$ 53,335	\$ 111,204	\$ 62,780	\$ 12,090,447

Unfunded

511-20	Citywide	Normal Extensions & Replacement-DPS (34/33/33)	Labor for Maintenance Services	10.00	\$ 500,000	\$ 550,000	\$ 550,600	\$ 600,000	\$ 600,000	\$ 650,000	\$ 650,000	\$ 700,000	\$ 700,000	\$ 750,000	\$ 6,250,600
511-34	Citywide	Normal Extensions & Replacement-DPS	Hurricane Katrina Repairs to New Carrollton Underpass Pumping Station	10.00	\$500,000										\$ 500,000
511-35	Citywide	Normal Extensions & Replacement-DPS	Hurricane Katrina Repairs to Broad Street Underpass Pumping Station	10.00	\$500,000										\$ 500,000
511-36	Citywide	Normal Extensions & Replacement-DPS	Hurricane Katrina Repairs to Paris Underpass Pumping Station	10.00	\$500,000										\$ 500,000
511-37	Citywide	Normal Extensions & Replacement-DPS	Hurricane Katrina Repairs to Hospital Underpass Pumping Station	10.00	\$500,000										\$ 500,000
511-38	Citywide	Normal Extensions & Replacement-DPS	Hurricane Katrina Repairs to Press Underpass Pumping Station	10.00	\$500,000										\$ 500,000
511-39	Citywide	Normal Extensions & Replacement-DPS	Hurricane Katrina Repairs to Marconi Underpass Pumping Station	10.00	\$500,000										\$ 500,000
578-3	A, D	COE Permanent Pump Stations at the Lake	Repairs to permanent pump stations at 17th St., London and Orleans	10.00			\$ 200,000								\$ 200,000
703	Citywide	Water Reserve for Emergencies	Contingency	10.00	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 20,000,000

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676-9	A, B	Additions & Replacement to Underground Power Distribution Feeders SWBNO	Design Build Contract 6249 to replace feeders RS-T6, RSC, RSE, CFC, 406, 202, 506, 404, 416, 302 (HMGP)	10.00	\$ 2,650,000										\$ 2,650,000
613-2	Citywide	Modifications to the Power Generating System SWBNO	Contract 1378- Rehab of Boilers 1 and 3, Duct and Elevators (SWBNO)	10.00	\$ 1,506,500										\$ 1,506,500
613-9	Citywide	Modifications to the Power Generating System 100% D SWBNO	Contract 6253 HMGP Turbine/Generator No. 5 Inspection	10.00	\$ 800,000										\$ 800,000
812-15	Citywide	New Development Contract Work 33/33/34 W/S/D	Programming done for implementations of new systems and system expansions such as CAM replacement, Financial System replacement or bringing up new modules of current software	10.00	\$ 309,091	\$ 206,061	\$ 35,030	\$ 35,030	\$ 35,030	\$ 35,030	\$ 35,030	\$ 35,030	\$ 35,030	\$ 35,030	\$ 795,392
820	Citywide	Overhead charged to Capital 33/33/34 W/S/D	Portion of overhead attributed to capital from operations and maintenance	10.00	\$ 2,971,000	\$ 2,971,000	\$ 2,971,000	\$ 2,971,000	\$ 2,971,000	\$ 2,971,000	\$ 2,971,000	\$ 2,971,000	\$ 2,971,000	\$ 2,971,000	\$ 29,710,000
812-7	Citywide	Financial System Replacement 33/33/34 W/S/D	Replacement of Financial system (Budget, A/R, GJ, Warehouse, Fixed Assets, etc.)	9.78	\$ 1,030,303	\$ 166,666									\$ 1,196,969
843-28	Citywide	Vault Server Refresh 33/33/34 W/S/D	"Refresh /Replace" Vault server	9.66					\$ 37,091						\$ 37,091
511-3	A	Normal Extensions & Replacement-DPS	DPS 7 - Repairs to Discharge Tubes for Pumps A, C and D	9.64	\$ 6,500,000										\$ 6,500,000
843-19	Citywide	EOC Satellite Hookup-Carrollton 33/33/34 W/S/D	Enhancement of communications during emergencies.	9.53		\$ 2,061									\$ 2,061
624-1	Citywide	Normal Extensions & Replacements 35/5/60 W/S/D	Normal Extensions and Replacement to Existing Electrical Distribution, Control, and Utilization Equipment and Facilities as needed to ensure reliability and functional capability of the Power Network.	9.50	\$ 480,000	\$ 480,000	\$ 480,000	\$ 480,000	\$ 480,000	\$ 480,000	\$ 480,000	\$ 480,000	\$ 480,000	\$ 480,000	\$ 4,800,000
812-14	Citywide	Desktop Software 33/33/34 W/S/D	Upgrades of Office Desktop Suite to replace Office 2000 and Windows 2000 and XP.	9.46	\$ 90,000		\$ 171,030		\$ 30,909	\$ 30,909	\$ 30,909	\$ 30,909	\$ 30,909	\$ 30,909	\$ 353,757
843-27	Citywide	Oracle Server Refresh 33/33/34 W/S/D	"Refresh /Replace" Oracle Database server	9.13				\$ 6,800							\$ 6,800
812-12	Citywide	Miscellaneous Software 33/33/34 W/S/D	Unspecified software often needed "immediately" by user to complete important project. (FOG, compliance calculation)	9.00	\$ 5,152	\$ 7,212	\$ 3,400	\$ 3,400	\$ 3,400	\$ 3,400	\$ 3,400	\$ 3,400	\$ 3,400	\$ 3,400	\$ 39,564
511-33	Citywide	Normal Extensions & Replacement-DPS	Dwyer Pumping Station- Refurbishment of diesel engine	8.93	\$ 150,000										\$ 150,000
511-2	D	Normal Extensions & Replacement-DPS	DPS 4 -Assessment, repairs and/or replacement to suction basin canal; screen cleaners for pumps 1 and 2, vacuum header and 60 cycle vacuum pump	8.88	\$ 450,000	\$ 1,000,000									\$ 1,450,000

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810-5	Citywide	Major Equipment Purchases 33/33/34 W/S/D	Garage I Diagnostic equipment and upgraded every other year	8.80	\$ 1,650		\$ 1,815		\$ 1,815						\$ 5,280
812-13	Citywide	Web Developer Software 33/33/ 34 W/S/D	Upgrades and Replacement of software used by web developer for web design and maintenance.	8.76			\$ 1,030								\$ 1,030
511-19	Citywide	Normal Extensions & Replacement-DPS	Miscellaneous repairs to DPS (restrooms, HVAC, doors, roofs, piping, bubblers, painting etc.) including post Corp stormproofing work	8.75	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 10,000,000
511-26	C	Normal Extensions & Replacement-DPS	DPS 11- Site work to fill cavity under the entire station due to ground settlement	8.75		\$ 300,000	\$ 3,000,000								\$ 3,300,000
511-28	C	Normal Extensions & Replacement-DPS	DPS 14- Investigate and repair pump automation issue	8.75	\$ 50,000										\$ 50,000
511-31	D	Normal Extensions & Replacement-DPS	DPS 19- Assessment and repairs to roof	8.75	\$ 200,000										\$ 200,000
511-32	Citywide	Normal Extensions & Replacement-DPS (33/33/34)	Forensics Structural engineering services for analysis	8.75	\$ 34,000										\$ 34,000
511-41	Citywide	Normal Extensions & Replacement-DPS	Switchgear and motor inspection and cleaning	8.75	\$ 150,000	\$ 160,000	\$ 160,000	\$ 165,000	\$ 165,000	\$ 170,000	\$ 170,000	\$ 175,000	\$ 175,000	\$ 180,000	\$ 1,670,000
511-42	Citywide	Normal Extensions & Replacement-DPS	Purchase of spare parts (PC) for new generators at various sites	8.75	\$ 50,000	\$ 50,000	\$ 55,000	\$ 55,000	\$ 55,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 65,000	\$ 65,000	\$ 575,000
843-35	Citywide	Board Room AV Renovation 33/33/34 W/S/D	Renovation, upgrade and replacement of Audio-Visual Equipment in the Board Room--microphones, cameras, encoder, etc.	8.72	\$ 5,152										\$ 5,152
843-14	Citywide	System Wide General Wiring 33/33/34 W/S/D	General Wiring for new data drops and special wiring runs	8.64	\$ 10,303	\$ 10,303	\$ 10,303	\$ 10,303	\$ 10,303	\$ 10,303	\$ 10,303	\$ 10,303	\$ 10,303	\$ 10,303	\$ 103,030
843-24	Citywide	Security-New Badge Reading System 33/33/34 W/S/D	Replacement of Security Badge servers, software, etc.	8.64	\$ 51,515										\$ 51,515
511-23	B	Normal Extensions & Replacement-DPS	DPS 2- Enclose generator platform and refurbishment of storage facility on Lafitte Corridor	8.62	\$ 200,000										\$ 200,000
843-30	Citywide	IP Unified Communication 33/33/34 W/S/D	Voice over IP Telephone System	8.59	\$ 137,030	\$ 137,030									\$ 274,060
812-25	Citywide	Environmental Compliance Software	Fats, Oil, and Grease (FOG) additional Module for current system	8.55	\$ 2,890										\$ 2,890
610-3	A, B	Additions & Replacement to Underground Power Distribution Feeders	Replace feeder 408 (7,160 lf)	8.54			\$ 9,000,000								\$ 9,000,000
843-36	Citywide	Travel AV / Offsite AV Projectors, etc. 33/33/34 W/S/D	Replacement of current and purchase of additional pc projectors and related equipment for use at scattered sites around the Board and offsite from the Board (annex)	8.52	\$ 1,716	\$ 1,716		\$ 1,716							\$ 5,148
812-24	Citywide	Update Network Infrastructure-Firewall	Replace firewall with more secure hardware and software.	8.37	\$ 20,606										\$ 20,606

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812-10	Citywide	Cassworks Replacement 40/40/20 WSD	Upgrade or Replacement of Cassworks CMMS system	8.33	\$ 750,000	\$ 500,000									\$ 1,250,000
610-4	A, B	Additions & Replacement to Underground Power Distribution Feeders	Replace feeder 508 (7,590 lf) based on locating in existing duct bank	8.25				\$ 3,500,000							\$ 3,500,000
511-16	Citywide	Normal Extensions & Replacement-DPS	Emergency repairs, engineering, inspections and testing svcs	8.21	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 10,000,000
610-5	A, B	Additions & Replacement to Underground Power Distribution Feeders	Replace feeder 412 (11,500 lf)	8.19					\$ 10,100,000						\$ 10,100,000
511-8	E	Normal Extensions & Replacement-DPS	DPS 5 - Repairs to Discharge Tubes; structural repairs	8.18	\$ 500,000	\$ 4,600,000									\$ 5,100,000
511-12	E	Normal Extensions & Replacement-DPS	DPS 5 - Install new screen cleaner on west side of Florida Ave Canal and Jordan Ave Canal	8.18		\$ 600,000	\$ 9,400,000								\$ 10,000,000
843-37	Citywide	Plotters 33/33/34 W/S/D	Replacement Plotters	8.13	\$ 3,000		\$ 4,396	\$ 4,121				\$ 4,121	\$ 4,121		\$ 19,759
610-6	A, B	Additions & Replacement to Underground Power Distribution Feeders	Replace feeder 312 (11,430 lf) based on locating in existing duct bank	8.13						\$ 2,500,000					\$ 2,500,000
610-7	A, B	Additions & Replacement to Underground Power Distribution Feeders	Replace feeder 314 (9,460 lf)	8.10						\$ 9,000,000					\$ 9,000,000
610-8	A, B	Additions & Replacement to Underground Power Distribution Feeders	Replace feeder 414 (9,460 lf) based on locating in existing duct bank	8.07							\$ 3,000,000				\$ 3,000,000
610-9	A, B	Additions & Replacement to Underground Power Distribution Feeders	Replace feeder 612-B (14,220 lf)	8.04							\$ 10,500,000				\$ 10,500,000
610-10	Citywide	Additions & Replacement to Underground Power Distribution Feeders	Post Katrina Feeder 506 is out of phase between station and "D" pump control house at DPS 3	8.04	\$ 40,000										\$ 40,000
511-6	E	Normal Extensions & Replacement-DPS	Grant DPS - Repairs to bridge and station	8.00	\$ 60,000	\$ 540,000									\$ 600,000
511-9	E	Normal Extensions & Replacement-DPS	Grant DPS - Replacement of the existing four outside pumping units	8.00	\$ 220,000	\$ 220,000	\$ 220,000	\$ 220,000							\$ 880,000
879	Citywide	Green Infrastructure	Development and implementation of green infrastructure projects	7.79	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000							\$ 2,000,000
511-10	A	Normal Extensions & Replacement-DPS	DPS 7 - Clean and cover the canal (DPS 2 to DPS 7), installation of new screen cleaner mechanisms	7.77							\$ 400,000	\$ 4,000,000	\$ 1,000,000	\$ 10,000,000	\$ 15,400,000
511-14	E	Normal Extensions & Replacement-DPS	DPS 16/St Charles - Purchase and installation of new screens and screen cleaners	7.77			\$ 900,000	\$ 8,600,000							\$ 9,500,000
511-27	C	Normal Extensions & Replacement-DPS	DPS 11- Replacement of the four existing screen cleaners	7.77	\$ 400,000	\$ 6,000,000									\$ 6,400,000

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511-17	C	Normal Extensions & Replacement-DPS	DPS 3 - Replacement/refurbishing of four constant duty pump(50cfs)	7.76	\$ 440,000	\$ 440,000									\$ 880,000
511-18	A, B	Normal Extensions & Replacement-DPS	DPS 1 Replacement/refurbishing of Constant Duty Pump No. 1 (50cfs)	7.76	\$ 220,000										\$ 220,000
511-22	B	Normal Extensions & Replacement-DPS	DPS 2 - Replacement/refurbishing of Constant Duty Pumps No. 2 and 3 (50cfs)	7.76	\$ 440,000										\$ 440,000
511-24	A	Normal Extensions & Replacement-DPS	DPS 6 - Replacement/refurbishing of two constant duty pump(50cfs)	7.76		\$ 440,000									\$ 440,000
471	Citywide	SELA Program Mgmt.	Professional services contract to administer the SELA programs.	7.74	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000								\$ 4,500,000
492	C	Donner Canal, Algiers Outfall Canal & Nolan Canal Improvements SWBNO Relocation, Entergy temporary and engineering fees (33/33/34)	Engineering, construction and inspection including channel excavation, construction of new culverts, and construction of concrete open canal flumes associated with the Donner, Algiers Outfall and Nolan Canals. This work is included in the proposed Algiers Basin - Plan E drainage improvement area Eng. Est. \$110,000,000 Corps of Engineer SELA Program 65%	7.74	\$ 17,000	\$ 595,000	\$ 2,210,000								\$ 2,822,000
439	Citywide	Major Drainage Participation in DPW Paving Projects	Engineering design, survey and inspection of Large Drainage Lines (36" and greater) SWBNO	7.68	\$ 4,300,000	\$ 4,300,000	\$ 4,300,000	\$ 4,300,000	\$ 4,300,000	\$ 4,300,000	\$ 4,300,000	\$ 4,300,000	\$ 4,300,000	\$ 5,000,000	\$ 43,700,000
511-4	C	Normal Extensions & Replacement-DPS	DPS 3 - Rehabilitate 3 wooden gates, repairs to discharge tubes 1, 2 and 3	7.66	\$ 400,000	\$ 6,600,000									\$ 7,000,000
511-5	C	Normal Extensions & Replacement-DPS	DPS 7 - Purchase and installation of three 240 CFS vertical pumps in the existing pump pits(possibly covering existing pits)	7.66		\$ 2,000,000	\$2,000,000	\$2,000,000							\$ 6,000,000
843-44	Citywide	Disaster Recovery / Failover Site	Additional hardware and software to serve as a backup site in case of a major failure at St. Joseph Street	7.47	\$ 84,485										\$ 84,485
612	A, B, D	Furnishing Emergency Generation for Drainage Underpass Pumping Stations 100% D	Purchase and installation of backup generators at various Underpass Stations (Canal Blvd, St. Bernard Ave., Paris Ave., Press Dr., Old Carrollton, New Carrollton and Hospital St)	7.45	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 10,000,000
613-7	Citywide	Modifications to the Power Generating System 35/5/60 W/S/D	Inspect and refurbish Turbine No.1	7.24					\$ 600,000	\$ 5,400,000					\$ 6,000,000
511-7	B	Normal Extensions & Replacement-DPS	DPS 2 - Repairs to Discharge Tubes	7.20		\$ 400,000	\$ 6,600,000								\$ 7,000,000
810-1	Citywide	Major Equipment Purchases 33/33/34 W/S/D	Vehicle replacement (large trucks, cranes, etc.) at approximately 15 equipment and 15 heavy trucks each year.	7.18	\$ 410,000	\$ 410,000	\$ 410,000	\$ 410,000	\$ 410,000	\$ 410,000	\$ 410,000	\$ 410,000	\$ 410,000	\$ 410,000	\$ 4,100,000

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613-11	Citywide	Modifications to the Power Generating System 60/5/35 W/S/D	Repairs to CWPP Frequency Changer	7.10			\$ 560,000	\$ 35,000							\$ 595,000
613-17	Citywide	Modifications to the Power Generating System 60/5/35 W/S/D	Structural design and repairs to water treatment system in Power House	6.97		\$ 42,000	\$ 378,000								\$ 420,000
511-29	D	Normal Extensions & Replacement-DPS	DPS 17 New diesel engine generator and building to run "E" pump in case of power failure	6.96		\$ 11,016,240	\$ 1,762,598								\$ 12,778,838
807-1	B	Improvements to Central Yard & St. Joseph Street 33/33/34 W/S/D	St. Joseph: Replace 2nd floor IT air conditioning unit pumps, drive motors and controls	6.96	\$ 2,000,000										\$ 2,000,000
881	Citywide	Stormwater sampling and monitoring	Stormwater sampling vehicle; purchase and installation of manhole monitoring sensors	6.84	\$ 200,000										\$ 200,000
807-2	B	Improvements to Central Yard & St. Joseph Street 33/33/34 W/S/D	St. Josephs: Replacement of switchgear for generator hook-up.	6.76	\$ 660,000										\$ 660,000
807-7	B	Improvements to Central Yard & St. Joseph Street 33/33/34 W/S/D	Replace window seals (Atrium is leaking)	6.75	\$ 6,600	\$ 6,600									\$ 13,200
807-14	B	Improvements to Central Yard & St. Joseph Street 33/33/34 W/S/D	Install new fencing from Garage 1 to Gas Station	6.75	\$ 6,600										\$ 6,600
807-16	B	Improvements to Central Yard & St. Joseph Street 33/33/34 W/S/D	Replace electric gate near warehouse	6.75	\$ 16,500										\$ 16,500
511-11	D	Normal Extensions & Replacement-DPS	Amid DPS 20-Contract 5233 Repair to Discharge Pipes	6.73		\$ 200,000	\$ 2,000,000								\$ 2,200,000
511-21	D	Normal Extensions & Replacement-DPS	Amid DPS 20 - Purchase and installation /Repair to Pumping Unit No. 1	6.73		\$ 2,000,000									\$ 2,000,000
807-6	B	Improvements to Central Yard & St. Joseph Street 33/33/34 W/S/D	Replace/repair west hydraulic elevator	6.57	\$ 51,150										\$ 51,150
535-1	A	Improvements at DPS 6 SWBNO	DPS 6 - Repairs and Modifications to Vertical Pumps 1, 2 & 3	6.49	\$ 340,000										\$ 340,000
535-2	A	Improvements at DPS 6 SWBNO	DPS 6 -Additional 2000 cfs capacity	6.49								\$ 8,500,000	\$ 8,500,000		\$ 17,000,000
573-2	C	DPS 13 Improvements	DPS 13 - Increase capacity with new 1100 cfs vertical pumps	6.49					\$ 1,000,000	\$ 33,050,000					\$ 34,050,000
511-15	Citywide	Normal Extensions & Replacement-DPS	Drainage Operations Data Acquisition (DODA)	6.33				\$ 600,000							\$ 600,000
843-34	Citywide	Personal Computers 33/33/34 W/S/D	Provide PC at each remote facilities for communication and electronic logging for daily operations at each site	6.33	\$ 200,000		\$ 200,000		\$ 200,000		\$ 200,000		\$ 200,000		\$ 1,000,000
807-15	D	Improvements to Central Yard & St. Joseph Street 33/33/34 W/S/D	Central Yard: Install security system, including cameras in Warehouse, replace card access, etc ; tweak description	6.10		\$ 100,000									\$ 100,000

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843-46	Citywide	Office chairs (41 x 500)	Replacement of old, worn out desk chairs.	6.02	\$ 7,040										\$ 7,040
810-6	Citywide	Major Equipment Purchases 33/33/34 W/S/D	Garage I Replacement of 2 hydraulic lifts	5.80							\$ 16,500	\$ 16,500	\$ 16,550	\$ 16,500	\$ 66,050
810-7	Citywide	Major Equipment Purchases 33/33/34 W/S/D	Garage II Replacement of 2 heavy equipment lift for wheel alignment, front end rack	5.80						\$ 16,475	\$ 16,500	\$ 16,500	\$ 16,500	\$ 17,000	\$ 82,975
843-1	Citywide	Minor Equipment Purchases .33/.33/.34 W/S/D	Vehicle replacement (small and medium tr	5.80	\$ 500,000	\$ 200,000	\$ 200,000	\$ 220,000	\$ 220,000	\$ 240,000	\$ 240,000	\$ 260,000	\$ 260,000	\$ 279,500	\$ 2,619,500
511-43	Citywide	Normal Extensions & Replacement-DPS	Surveillance camera system for various DPS	5.74	\$ 100,000	\$	100,000								\$ 200,000
511-44	Citywide	Normal Extensions & Replacement-DPS	NO East DPS (14, 15, 16, 18, 20, Elaine, Grant) - Rehabilitation of facility alarm system	5.74	\$	100,000	\$	100,000							\$ 200,000
807-5	B	Improvements to Central Yard & St. Joseph Street .33/33/34 W/S/D	Central Yard/St. Josephs: Replace and/or repair elevators	5.63	\$ 100,000										\$ 100,000
546	D	New Drainage Station 4W SWBNO	DPS 4W - A new drainage facility is required to supplement the western portion of the drainage basin served by DPS 4. This station will have 1000 cfs capacity with 100% on-site power generation. This project (Contract 5140) is in the construction phase. Costs are associated with engineering services during construction. Design is nearly complete by Design Engineering, Inc. with funding to be provided under the future COE SELA program \$20,726,400. on Hold	5.57										\$ 5,182,000	\$ 5,182,000
807-4	B	Improvements to Central Yard & St. Joseph Street 33/33/34 W/S/D	St. Josephs: Miscellaneous repairs (plumbing, leaking windows, etc.)	5.54	\$ 40,000	\$ 7,000	\$ 7,000								\$ 54,000
843-47	Citywide	A V Systems at Carrollton and Central Yard	Install A V system similar to Board Room system at Carrollton and upgrade A V in CY conference room.	5.53	\$ 51,515										\$ 51,515
807-12	D	Improvements to Central Yard & St. Joseph Street .33/33/34 W/S/D	Secure perimeter with new chain link fence. Includes deep footing for support and security.	5.43	\$ 33,000										\$ 33,000
512-1	Citywide	Expansion of DPS 15	DPS 15 - Upgrade pumping capacity and renovation of existing facility	5.10		\$ 1,220,000	\$ 14,500,000								\$ 15,720,000
535-3	A	Improvements at DPS 6 SWBNO	DPS 6 - Painting outside equipment	5.10				\$ 680,000							\$ 680,000
535-4	A	Improvements at DPS 6 SWBNO	DPS 6 -Remove the trash screen, fence, etc., and cover the Ave. C suction bay	5.10				\$ 680,000							\$ 680,000

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573-2	C	DPS 13 Improvements	DPS 13 - Repairs and modifications to equipment (screen cleaners, discharge pipes, anti-reverse mechanism for constant duty pumps motors 1 and 2 , etc.)	5.10	\$ 440,000	\$ 6,000,000	\$ 1,000,000	\$ 10,000,000							\$ 17,440,000
811-2	Citywide	Plant Stationary Equipment .100% D	Laser alignment machine for pump/motors	5.06	\$ 100,000										\$ 100,000
418-1	Citywide	Normal Extensions & Repairs of Canals	Reconstruction of drainage lines ≥36"	5.00	\$ 520,000	\$ 520,000	\$ 540,000	\$ 540,000	\$ 560,000	\$ 560,000	\$ 580,000	\$ 580,000	\$ 580,000	\$ 1,200,000	\$ 6,180,000
511-13	E	Normal Extensions & Replacement-DPS	DPS 5 Storm proofing /or expansion of DPS 5 with 60 cycle building	5.00							\$ 8,436,027	\$ 1,349,765			\$ 9,785,791
511-25	D	Normal Extensions & Replacement-DPS	DPS 10 Generator & Storm proofing	5.00								\$ 10,252,805	\$ 1,771,685		\$ 12,024,490
511-30	A, E	Normal Extensions & Replacement-DPS	DPS 18, Grant, Monticello & Prichard Storm Proofing	5.00								\$ 3,135,948	\$ 689,909		\$ 3,825,857
511-40	C, E	Normal Extensions & Replacement-DPS	DPS 11, 14 16 Storm proofing	5.00						\$ 600,000	\$ 7,000,000				\$ 7,600,000
843-6	Citywide	Minor Equipment Purchases 33/33/34 W/S/D	Grounds Maintenance: Posthole driver, iron wheel for curve edges	5.00	\$ 33,000										\$ 33,000
811-1	Citywide	Plant Stationary Equipment .100% D	Replacement of bridge cranes,etc. 1, 2, 3, I	4.97	\$ 200,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 79,985	\$ 1,079,985
472	A, B	Tchoupitoulas Corridor Drainage <u>SWBNO</u>	Construction of approximately 1300 feet of 96"x154" RCAP or a poured in place box culvert in the Napoleon Avenue right of way between Tchoupitoulas and Constance St. <u>Note:</u> The Dock Board has verbally committed \$1,850,000 towards these projects. However, the SWBNO has completed the Nashville Canal extension and has not yet received compensation for the work already performed. The Dock Board has been notified that no additional work will be initiated until past accounts are resolved in full.	4.88								\$ 250,000	\$ 10,150,000		\$ 10,400,000
807-13	D	Improvements to Central Yard & St. Joseph Street :33/33/34 W/S/D	Central Yard: Renovation of old warehouse	4.80							\$ 33,000	\$ 329,400			\$ 362,400
807-22	B	Improvements to Central Yard & St. Joseph Street :33/33/34 W/S/D	Repaving of parking lot	4.54	\$ 33,000										\$ 33,000
812-1	Citywide	Computer Systems Development .33/33/34 W/S/D	Warehouse: Install scanning equipment for inventory, labeling barcodes and associated software	4.54	\$ 3,300										\$ 3,300
812-2	B	Improvements to Central Yard & St. Joseph Street :33/33/34 W/S/D	Fuel Island: Upgrade or replace fuel island	4.54		\$ 165,000									\$ 165,000

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812-3	B	Improvements to Central Yard & St. Joseph Street .33/33/34 W/S/D	Replace or upgrade Cyndrus vehicle management system	4.54			\$ 165,000								\$ 165,000
511-45	Citywide	Normal Extensions & Replacement-DPS	Installation of wells to provide redundant water sources at 15 DPS	3.99								\$ 8,250,000	\$ 1,650,000		\$ 9,900,000
843-41	C	New West Bank Yard 33/33/34 W/S/D	Design and construction of new west bank yard, include land acquisition	3.93					\$ 500,000	\$ 500,000	\$ 2,000,000				\$ 3,000,000
843-43	Citywide	Replacement Chairs 33/33/34 W/S/D	Replace broken, dangerous office chairs for Information Systems	3.93	\$ 2,100	\$ 2,200									\$ 4,300
807-21	D	Improvements to Central Yard & St. Joseph Street .33/33/34 W/S/D	Central Yard: Body Shop and Garage renovation	3.81		\$ 660,000									\$ 660,000
807-17	D	Improvements to Central Yard & St. Joseph Street 33/33/34 W/S/D	Central Yard: Fuel Island -Provide for installation of canopy and lights	3.49			\$ 16,500				\$ 330,000	\$ 330,000	\$ 330,000		\$ 1,066,500
807-18	B	Improvements to Central Yard & St. Joseph Street 33/33/34 W/S/D	Fuel Island: Upgrade or replace fuel island	3.49						\$ 330,000					\$ 330,000
TOTAL					\$ 42,285,198	\$ 63,024,028	\$ 71,214,763	\$ 41,810,570	\$ 27,349,257	\$ 65,493,299	\$ 32,136,642	\$ 35,217,281	\$ 48,426,331	\$ 54,771,312	\$ 481,728,680
TOTAL DRAINAGE CAPITAL PROGRAM					\$ 114,916,969	\$ 179,529,988	\$ 172,778,400	\$ 155,768,702	\$ 27,966,845	\$ 65,777,493	\$ 32,421,694	\$ 35,500,616	\$ 52,767,535	\$ 81,640,092	\$ 919,068,334