

SEWERAGE & WATER BOARD OF NEW ORLEANS

FINANCE AND ADMINISTRATION COMMITTEE MEETING

WEDNESDAY, NOVEMBER 11, 2020

9:00 AM

[November 2020 Finance Attendee Link](#)

+1 504-224-8698 United States, New Orleans (Toll)
Conference ID: 334 803 614#

PUBLIC COMMENT WILL BE ACCEPTED VIA EMAIL TO

BOARDRELATIONS@SWBNO.ORG. ALL PUBLIC COMMENTS MUST BE RECEIVED PRIOR TO
9:30 AM ON November 11, 2020. COMMENTS WILL BE READ VERBATIM INTO
THE RECORD.

Lynes Sloss Janet Howard

Joseph Peychaud Ralph Johnson Alejandra Guzman

FINAL AGENDA

1. **ROLL CALL**

2. **DISCUSSION ITEM**

- Summary Financial Update

3. **ACTION ITEMS**

- Resolution (R-138-2020) Giving preliminary approval to the issuance of not exceeding Two Hundred Fifteen Million Dollars (\$215,000,000) of Sewerage Service Revenue Refunding Bonds of the City of New Orleans, Louisiana; making application to the State Bond Commission for approval of said bonds; and providing for other matters in connection therewith.
- Resolution (R-139-2020) Giving preliminary approval to the issuance of not exceeding Two Hundred Million Dollars (\$200,000,000) of Water Revenue Refunding Bonds of the City of New Orleans, Louisiana; making application to the State Bond Commission for approval of said bonds; authorizing the reimbursement of expenditures from proceeds of any such bonds; and providing for other matters in connection therewith.

General Superintendent's Report

- **BIDS & RENEWALS**

- Resolution (R-119-2020) Ratification of Award of Emergency Contract 6266 – Turbine 5 Controls System Upgrade

- **CHANGE ORDERS**

- Resolution (R-122-2020) Ratification of Change Order No. 1 of Contract 1370A – 60Hz Transformers and Switchgear

- Resolution (R-127-2020) Ratification of Change Order 1 for Contract 30218 – Restoration of Gravity Flow Sanitary Sewer Mains by Point Repair at Various Sites throughout Orleans Parish
- Resolution (R-128-2020) Ratification of Change Order 2 for Contract 1404 – Algiers Water Purification Plant Improvements Projects
- Resolution (R-125-2020) Ratification of Change Order 1 of Contract EE20-0004– 2020 Installation of Feeder CFC2 From the Plant Frequency Changer Building to Carrollton Frequency Changer Building Associated with the Extreme Emergency Declaration of Turbine 5

- **CONTRACT AMENDMENTS**

- Resolution (R-124-2020) Authorization of Amendment No. 9 to the Agreement Between the Sewerage and Water Board of New Orleans and CH2M Hill Engineers, Inc. for Program Management and Design and Engineering Services for the Retrofit Power Plant Hazard Mitigation Grant Project
- Resolution (R-108-2020) Authorization of Amendment No. 5 to the Agreement Between the Sewerage and Water Board of New Orleans and Digital Engineering & Imaging, Inc., for Design and Engineering Services for the Waterline Replacement Program
- Resolution (R-109-2020) Authorization of Amendment No. 6 to the Agreement Between the Sewerage and Water Board of New Orleans and Linfield, Hunter, & Junius, Inc., for Design and Engineering Services for the Waterline Replacement Program
- Resolution (R-126-2020) Authorization of Amendment No. 6 to the Agreement Between the Sewerage and Water Board of New Orleans and Rahman, & Associates, Inc., for Design and Engineering Services for the Waterline Replacement Program
- Resolution (R-130-2020) Authorization of Amendment No. 7 to the Agreement Between the Sewerage and Water Board of New Orleans and MWH Americas, Inc. (predecessor in interest to Stantec Consulting Services, Inc., for Design and Engineering Services for the Waterline Replacement Program

- **FINAL ACCEPTANCE**

- Resolution (R-129-2020) Final Acceptance of Contract EE20-0004 – 2020 Installation of Feeder CFC2 from the Plant Frequency Changer Building to Carrollton Frequency Changer Building Associated with the Extreme Emergency Declaration of Turbine 5

4. PUBLIC COMMENT

Public comments received until 30 minutes after the presentation of the Agenda will be read into the record.

5. INFORMATION ITEMS

- 2020 Actuarial Valuation Report – Rudd & Wilson, Inc.
- FEMA October Project Worksheet Status
- DBE Participation on Contracts
 - DBE Bid Analysis
 - Construction Review Committee – Goals Setting
 - Staff Contract Review Committee - Goals Setting
 - Final Acceptance of Construction Contracts with DBE Participation

6. ADJOURNMENT

This teleconference meeting is being held pursuant to and in accordance with the provisions of Section 4 of Proclamation Number JBE 2020-30, extended by Proclamation 110 JBE 2020, pursuant to Section 3 of Act 302 of 2020.

EXECUTIVE SUMMARY

September 2020

The end of September 2020 reflects 75% of the year. A summary analysis of the financial results and other performance goals is attached for your further review.

(in millions)	<u>Actual</u>	<u>YTD Budget*</u>	<u>Annual Budget</u>	<u>Variance to Ann Budget</u>	<u>Actual/Ann Budget (%)</u>
Operating Revenues	\$197.3	\$ 200.9	\$ 269.0	\$ 71.7	73%
Ad Valorem/Other Rev**	76.7	n/a	73.5	3.2	104%
Operating Expenditures	192.2	240.7	321.0	128.8	59%

YTD = Year to Date (through August)

* YTD Budget assumes revenues and expenditures are collected and spent evenly throughout the year. Ad Valorem taxes are generally collected in the first quarter of each year.

** Ad Valorem and Other Revenue before deduction of interest expense.

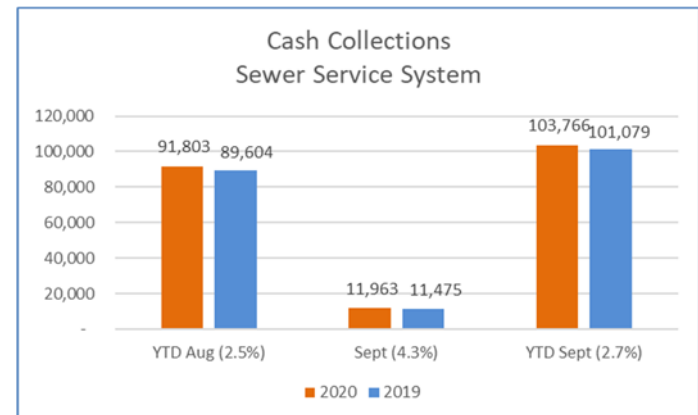
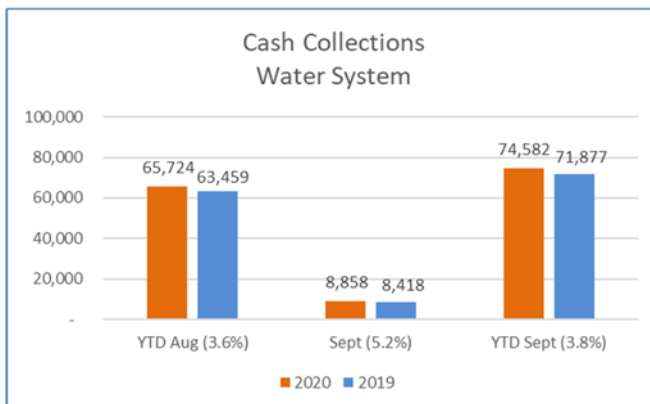
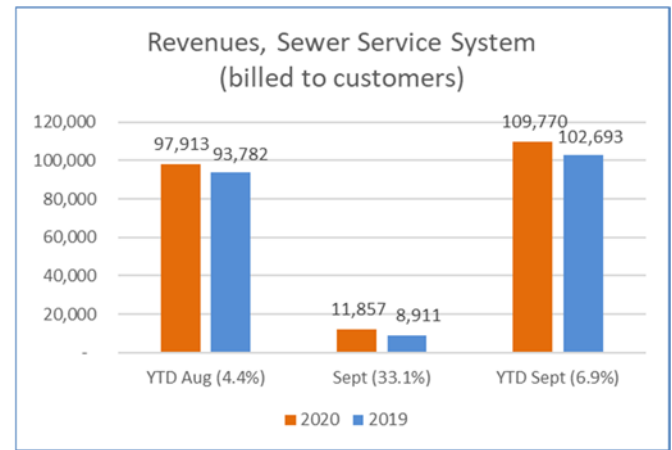
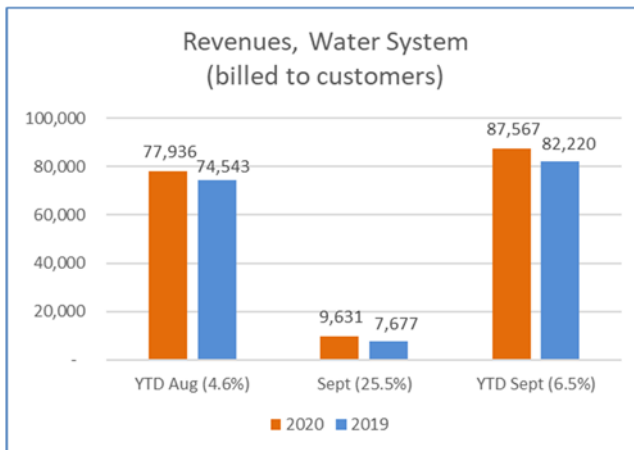
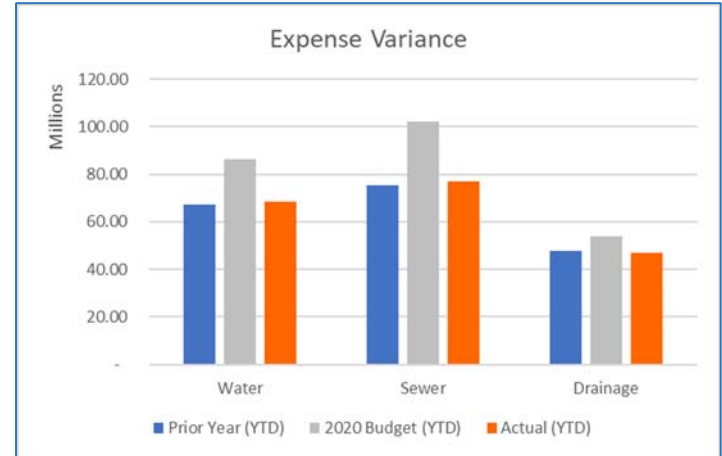
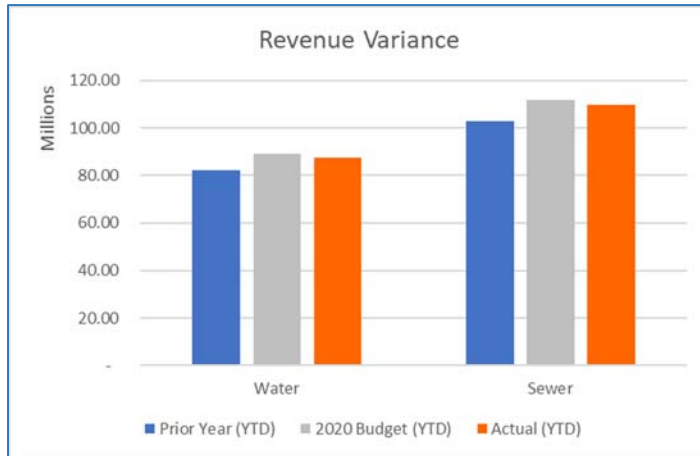
Net Income (as of September 2020)

Operating Revenues	Budget (MTD)	Actual (MTD)	Budget (YTD)	Actual (YTD)	2019 Actual (YTD)	Actuals as % of YTD Budget
Water Service	9,912,699	9,631,383	89,214,289	87,567,124	82,220,208	98.2%
Sewer Service	12,409,210	11,856,976	111,682,888	109,770,001	102,693,299	98.3%
Non Operating Rev (Drainage)	5,589,266	2,670,189	50,303,396	65,786,424	67,571,528	
Misc Revenues	632,795	7,058,818	5,695,157	10,887,820	21,065,421	
Total Revenues	28,543,970	31,217,366	256,895,730	274,011,369	273,550,455	106.7%
Operating Expenses						
Water Service	9,587,310	7,774,122	86,285,794	68,492,710	67,175,571	79.4%
Sewer Service	11,343,257	10,137,493	102,089,310	76,875,803	75,526,377	75.3%
Drainage Service	5,983,982	5,379,313	53,855,834	46,815,120	47,650,534	86.9%
Total Expenses	26,914,549	23,290,928	242,230,938	192,183,632	190,352,482	79.3%
Interest Expense		1,666,760		15,266,197	16,354,800	
Revenues less Expenses	1,629,421	6,259,679	14,664,792	66,561,540	66,843,173	
Adjustment for Non-Cash Expense	6,121,125	6,218,275	55,090,125	54,282,300	50,840,485	
Revenues less Adjusted Expenses	7,750,546	12,477,954	69,754,917	120,843,840	117,683,658	

The Net Operating Income is presented on a budget basis.

Revenue and Expense

Actual revenues and expenditures to date are close to 2019 levels, despite a 10% rate increase, reflecting the downward pressures caused by COVID-19.



Debt Obligations

Debt Information - As of September 30, 2020					
		Water	Sewer	Drainage ⁽¹⁾	Total
Debt Outstanding:					
	Revenue Bonds*	182,065,000	199,365,000		381,430,000
	Limited Tax Bonds			5,850,000	5,850,000
	DEQ SRF Loans*		6,167,550		6,167,550
	GoZone Loan		40,044,839		40,044,839
Total Debt Outstanding		182,065,000	245,577,389	5,850,000	433,492,389
Unspent Bond Proceeds ⁽¹⁾		223,117	10,253,035		10,476,151
Available Undrawn DEQ Loan Proceeds (South Shore Basin Project)			9,872,450		9,872,450
Available Borrowed Funds		223,117	20,125,485	-	20,348,601
(1) As reported by BLCD.					
* Included in Debt Service Coverage Tests					

Capital

2020 CAPITAL DISBURSEMENTS (As of 9/30/20)			
	Budgeted	Actual Expenditures YTD	Remaining
Grant Funded Projects (FEMA/HMGP)	\$ 209,466,231.00	11,068,764.53	\$ 198,397,466.47
Fair Share Projects	\$ 20,500,000.00	\$ 1,030,625.00	\$ 19,469,375.00
Targeted Funded Projects	\$ 95,428,650.00	\$ 31,810,189.20	\$ 63,618,460.80
Total	\$ 325,394,881.00	\$ 43,909,578.73	\$ 281,485,302.27

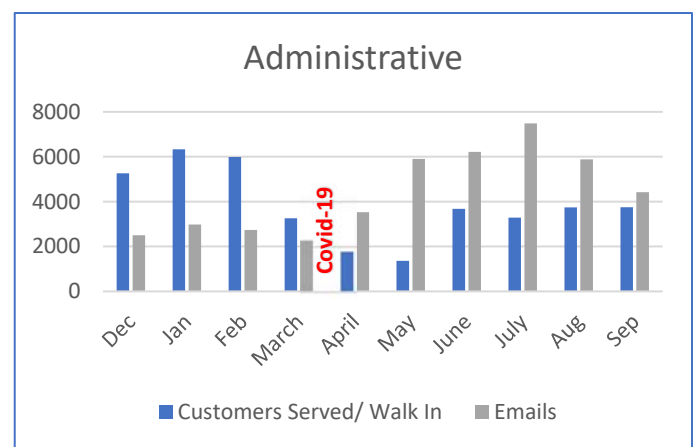
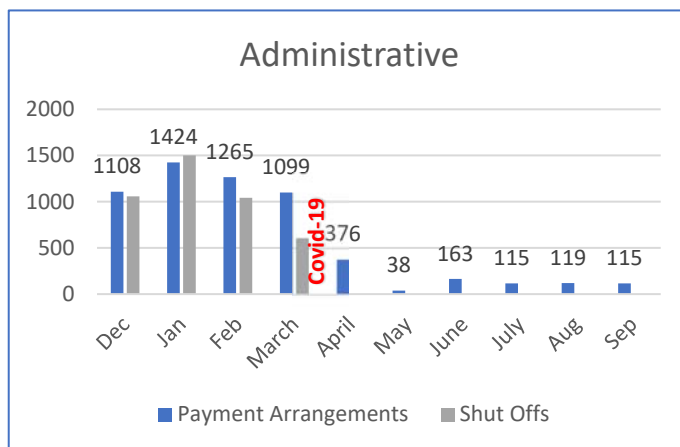
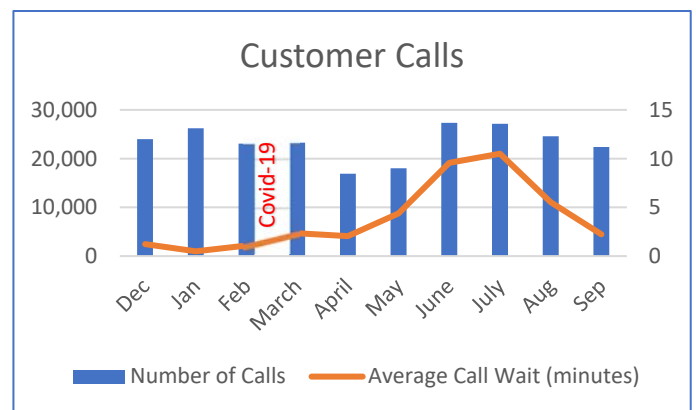
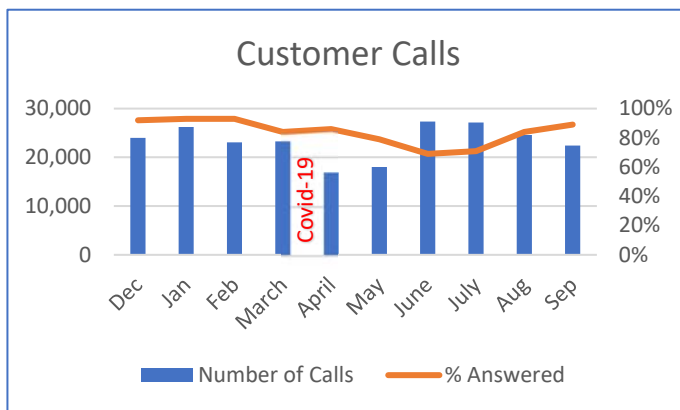
Federal Grant/Funding Status

FEDERAL GRANT/FUNDING STATUS (As of 9/30/20)			
	Obligated	Expended	Reimbursed
Hurricane PA Projects	\$ 546,777,822.58	\$ 505,157,578.67	\$ 474,228,202.00
HMGP Projects	\$ 188,871,018.00	\$ 179,384,488.65	\$ 132,750,883.84
JIRR Projects	\$ 268,448,968.15	\$ 8,062,520.84	\$ 6,550,168.73
Totals	\$ 1,004,097,808.73	\$ 692,604,588.16	\$ 613,529,254.57

Customer Experience:

In September 2020, a total of 39,546 customers were served via the call center, IVR or emails. Call center staff have been redirected to support virtual response activities. These reports do not include actions and responses related to investigations.

Total # Calls	Total calls Answered	Total Dropped Calls	Average Call Wait	% Answered
22,388	19,941	2,447	2 min 23 secs	89%

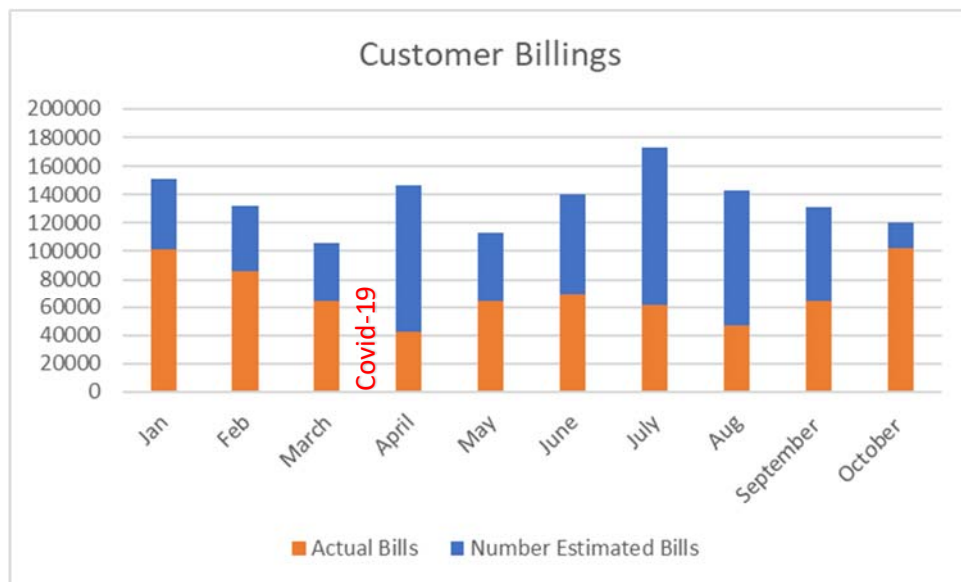


Billing Accuracy

The billing and collections division is responsible for the creation and distribution of accurate customer bills, resolving all billing complaints, interfacing with large non-residential customers and ensuring successful collections efforts to ensure the financial solvency of SWBNO. Accuracy of customer bills depends on measuring and reporting the actual water use of each customer. In addition, the integrity of the system relies on account investigations, as necessary, from either customer inquiries or from staff-initiated queries. The following metrics are monitored to help management measure and improve the bill accuracy, improve the customer response time and implement best practice collection activity.

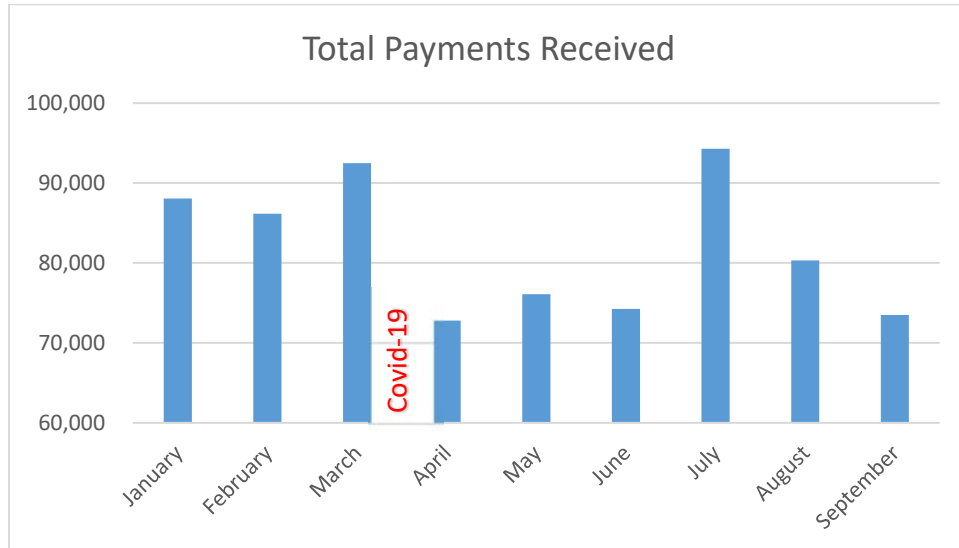
The Sewerage and Water Board (SWBNO) suspended water service shut-offs Thursday, March 12, and will adhere to this policy change for the duration of the Mayor's Declared Emergency proclamation in response to the COVID-19 pandemic.

The high number of estimated reads, caused by COVID-19 related staffing shortages and seasonal turnover, drive billing complaints and inaccuracies. To address this challenge, SWBNO has augmented its meter reading staff with 20 temporary employees to help our internal team provide actual reads of meters over the next three months.



Collections

A total of 73,473 payments were received in September. These payments are received via mail, walk-ins, online payments, and IVR.



Active Accounts

CUSTOMER ACCOUNT AGING REPORT

[As of September 30, 2020]

CUSTOMER CATEGORY TYPE	TOTAL NUMBER OF ACCOUNTS	TOTAL NUMBER OF DELINQUENCIES	60+ DAYS PAST DUE	TOTAL NUMBER OF ACCOUNTS IN DISPUTE
Residential	120,326	25,220	\$ 32,944,540.17	1,621
Multi-Family	4,598	716	\$ 2,506,604.13	77
Commercial	12,826	1,427	\$ 7,844,875.90	211
Industrial	31	2	\$ 391.66	-
TOTALS	137,781	27,365	\$ 43,296,411.86	1,909



Inactive Accounts

September 2020							
Row Labels	Class Count		Sum of Balance		Average Per Unit Balance		
	August	September	August	September	August	September	
COMMERCIAL	14	14	15,127.93	15,127.93	1,080.57	1,080.57	
HYDRANT	17	20	93,287.98	104,599.83	5,487.53	5,229.99	
INDUSTRIAL	1	1	32,641.78	32,641.78	32,641.78	32,641.78	
LG COMMERCIAL	76	78	1,019,428.56	1,052,980.74	13,413.53	13,499.75	
MULTI FAMILY	699	710	790,726.50	816,005.34	1,131.23	1,149.30	
RESIDENTIAL	30,281	30,609	27,520,557.77	28,000,011.95	908.84	914.76	
SM COMMERCIAL	1,128	1,149	2,017,405.81	2,048,246.25	1,788.48	1,782.63	
Grand Total	32,216	32,581	31,489,176.33	32,069,613.82			

The SWBNO policy requires that inactive accounts are written off at the end of three years. At the end of April 2020, the SWBNO wrote-off 8259 accounts inactive since 2016, for year end 2019, reflecting \$3.4M of accounts receivables to bad debt.

Sewerage and Water Board of New Orleans
Cashflow Schedule
as of October 31, 2020

	Running Rate Scenario (10/31/2020)			Management Scenario		
	Water	Sewer	Drainage	Water	Sewer	Drainage
Cash Balances Available for O&M as of December 31, 2019	\$13,267,237	\$25,995,022	\$8,399,496	\$13,267,237	\$25,995,022	\$8,399,496
Cash Collections and Millages	\$121,370,558	\$112,318,256	\$68,753,320	\$121,370,558	\$112,318,256	\$68,753,320
Expenditures and Transfers Out (Jan-Oct)	(\$128,014,175)	(\$106,557,768)	(\$42,692,129)	(\$128,014,175)	(\$106,557,768)	(\$42,692,129)
Cash Balances Available for O&M as of October 31, 2020	\$6,623,620	\$31,755,510	\$34,460,687	\$6,623,620	\$31,755,510	\$34,460,687
Projected Cash Collections (Nov-Dec)	\$20,702,074	\$20,311,657	\$559	\$20,702,074	\$20,311,657	\$559
Projected Expenditures (Nov-Dec)	(\$26,856,288)	(\$27,593,730)	(\$10,474,762)	(\$26,856,288)	(\$27,593,730)	(\$10,474,762)
<i>Potential Expense Reductions</i>				\$0	\$0	\$0
Projected cash balances available as of December 31, 2020	\$469,405	\$24,473,436	\$23,986,483	\$469,405	\$24,473,436	\$23,986,483
Expected Interfund Transfers (Temporary)	\$0	\$0	\$0	\$3,000,000	\$0	(\$3,000,000)
<i>Estimated Expense Reallocation (Permanent)*</i>	\$0	\$0	\$0	\$3,000,000	(\$3,000,000)	\$0
Add Customer Deposits	\$11,313,498	\$0	\$0	\$11,313,498	\$0	\$0
Add Additional Fair Share Funds**	\$5,197,202	\$0	\$0	\$5,197,202	\$0	\$0
Add Other Accounts	\$2,274,861	\$4,711,423	\$1,817,273	\$2,274,861	\$4,711,423	\$1,817,273
Amounts Included for Days Cash	\$19,254,967	\$29,184,860	\$25,803,756	\$25,254,967	\$26,184,860	\$22,803,756
Projected One Day Expenditures	\$233,763	\$213,901	\$108,405	\$233,763	\$213,901	\$108,405
<i>Projected Days Cash</i>	<i>82</i>	<i>136</i>	<i>238</i>	<i>108</i>	<i>122</i>	<i>210</i>

* Estimated expense reallocation is derived by taking the water and sewer expenses (excluding sanitation and taxes) and transferring funds to equalize and more accurately attribute costs across the two systems

** Fair Share funds expected to be spent on capital projects in 2021

SEWERAGE AND WATER BOARD OF NEW ORLEANS
ALL SYSTEM FUNDS
STATEMENT OF REVENUES AND EXPENSES AND CHANGES IN NET POSITION
WITH PRIOR YEAR COMPARISONS
September 2020 Preliminary Financials

	A	B	C	D	E	F	G	H	
	MTD	MTD	MTD		YTD	YTD	YTD		
	Actual	Prior Year	Variance	%	Actual	Prior Year	Variance	%	
Operating revenues:									
1 Sales of water and delinquent fees	9,631,383	7,676,990	1,954,393	25.5%	87,567,124	82,220,208	5,346,916	6.5%	1
2 Sewerage service charges and del fees	11,856,976	8,910,914	2,946,062	33.1%	109,770,001	102,693,299	7,076,702	6.9%	2
3 Plumbing inspection and license fees	32,969	51,920	(18,951)	-36.5%	342,971	440,166	(97,195)	-22.1%	3
4 Other revenues	36,234	181,723	(145,489)	-80.1%	2,805,844	3,572,195	(766,351)	-21.5%	4
5 Total operating revenues	21,557,562	16,821,547	4,736,015	28.2%	200,485,940	188,925,868	11,560,072	6.1%	5
Operating Expenses:									
6 Power and pumping	1,523,025	957,641	565,384	59.0%	13,248,731	11,906,181	1,342,550	11.3%	6
7 Treatment	2,699,392	2,619,183	80,209	3.1%	16,102,556	12,248,477	3,854,079	31.5%	7
8 Transmission and distribution	3,035,550	2,284,862	750,688	32.9%	22,003,275	24,615,928	(2,612,653)	-10.6%	8
9 Customer accounts	399,867	418,948	(19,081)	-4.6%	3,251,910	3,833,215	(581,304)	-15.2%	9
10 Customer service	547,279	479,262	68,017	14.2%	5,424,393	3,475,703	1,948,690	56.1%	10
11 Administration and general	1,855,545	2,746,743	(891,198)	-32.4%	18,291,870	29,841,738	(11,549,868)	-38.7%	11
12 Payroll related	5,771,843	3,991,994	1,779,849	44.6%	41,407,711	35,986,407	5,421,305	15.1%	12
13 Maintenance of general plant	1,240,153	1,323,729	(83,577)	-6.3%	18,170,886	17,604,349	566,537	3.2%	13
14 Depreciation	5,346,353	4,954,114	392,239	7.9%	48,117,173	45,466,730	2,650,442	5.8%	14
15 Amortization	-	-	-	0.0%	-	-	-	0.0%	15
16 Provision for doubtful accounts	626,023	361,124	264,899	73.4%	5,053,128	3,250,119	1,803,009	55.5%	16
17 Provision for claims	245,900	265,930	(20,031)	-7.5%	1,112,000	2,123,636	(1,011,635)	-47.6%	17
18 Total operating expenses	23,290,928	20,403,532	2,887,395	14.2%	192,183,632	190,352,482	1,831,150	1.0%	18
19 Operating income (loss)	(1,733,365)	(3,581,985)	1,848,619	-51.6%	8,302,308	(1,426,614)	9,728,921	-682.0%	19
Non-operating revenues (expense):									
20 Two-mill tax	260	-	260	0.0%	643	35	608	1752.0%	20
21 Three-mill tax	433,264	-	433,264	0.0%	17,776,627	15,180,014	2,596,613	17.1%	21
22 Six-mill tax	456,184	-	456,184	0.0%	18,735,321	16,006,243	2,729,078	17.1%	22
23 Nine-mill tax	683,661	-	683,661	0.0%	28,082,405	23,992,705	4,089,700	17.0%	23
24 Interest income	1,785,338	22,897	1,762,440	7697.2%	2,331,023	1,499,571	831,452	55.4%	24
25 Other Taxes	-	-	-	0.0%	297,713	297,272	441	0.1%	25
26 Other Income	6,225,937	-	6,225,937	0.0%	6,225,937	27,648,650	(21,422,714)	-77.5%	26
27 Interest expense	(1,666,760)	(1,817,200)	150,440	-8.3%	(15,266,197)	(16,354,800)	1,088,603	-6.7%	27
28 Operating and maintenance grants	75,161	(58)	75,219	-129464.1%	75,761	98	75,663	77603.1%	28
29 Provision for grants	-	-	-	0.0%	-	-	-	0.0%	29
30 Total non-operating revenues	7,993,044	(1,794,361)	9,787,405	-545.5%	58,259,232	68,269,787	(10,010,555)	-14.7%	30
31 Income before capital contributions	6,259,679	(5,376,346)	11,636,025	-216.4%	66,561,540	66,843,173	(281,634)	-0.4%	31
32 Capital contributions	9,885,823	2,808,638	7,077,185	252.0%	18,167,221	14,990,418	3,176,803	21.2%	32
33 Change in net position	16,145,502	(2,567,707)	18,713,209	-728.8%	84,728,760	81,833,591	2,895,169	3.5%	33
34 Audit Adjustment						2,543,545			34
35 Net position, beginning of year					2,356,268,052	2,244,801,991	111,466,061	5.0%	35
36 Net position, end of year					2,440,996,812	2,329,179,127	111,817,685	4.8%	36

SEWERAGE AND WATER BOARD OF NEW ORLEANS
WATER SYSTEM FUND
STATEMENT OF REVENUES AND EXPENSES AND CHANGES IN NET POSITION
WITH PRIOR YEAR COMPARISONS
September 2020 Preliminary Financials

	A	B	C	D	E	F	G	H	
	MTD	MTD	MTD		YTD	YTD	YTD		
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Operating revenues:									
1 Sales of water and delinquent fees	9,631,383	7,676,990	1,954,393	25.5%	87,567,124	82,220,208	5,346,916	6.5%	1
2 Sewerage service charges and del fees	-	-	-	0.0%	-	-	-	0.0%	2
3 Plumbing inspection and license fees	16,749	23,209	(6,460)	-27.8%	172,840	220,603	(47,763)	-21.7%	3
4 Other revenues ¹	111,545	151,859	(40,314)	-26.5%	3,678,235	2,318,613	1,359,621	58.6%	4
5 Total operating revenues	9,759,677	7,852,058	1,907,619	24.3%	91,418,199	84,759,424	6,658,774	7.9%	5
Operating Expenses:									
6 Power and pumping	226,604	113,321	113,282	100.0%	1,806,278	1,693,829	112,449	6.6%	6
7 Treatment	569,543	731,109	(161,566)	-22.1%	6,527,767	6,825,761	(297,994)	-4.4%	7
8 Transmission and distribution	1,699,029	980,896	718,133	73.2%	10,794,107	11,525,980	(731,873)	-6.3%	8
9 Customer accounts	196,209	208,224	(12,015)	-5.8%	1,618,289	1,906,918	(288,629)	-15.1%	9
10 Customer service	270,765	236,513	34,252	14.5%	2,682,387	1,711,367	971,020	56.7%	10
11 Administration and general	662,171	902,396	(240,225)	-26.6%	6,365,750	10,040,154	(3,674,403)	-36.6%	11
12 Payroll related	2,121,531	1,487,446	634,085	42.6%	15,363,648	13,412,160	1,951,488	14.6%	12
13 Maintenance of general plant	600,438	613,090	(12,652)	-2.1%	10,755,889	8,744,593	2,011,296	23.0%	13
14 Depreciation	1,053,625	1,018,044	35,581	3.5%	9,482,624	8,960,529	522,095	5.8%	14
15 Amortization	-	-	-	0.0%	-	-	-	0.0%	15
16 Provision for doubtful accounts	275,848	167,262	108,586	64.9%	2,482,635	1,505,362	977,274	64.9%	16
17 Provision for claims	98,360	106,372	(8,012)	-7.5%	613,335	848,918	(235,583)	-27.8%	17
18 Total operating expenses	7,774,122	6,564,672	1,209,450	18.4%	68,492,710	67,175,571	1,317,139	2.0%	18
19 Operating income (loss)	1,985,555	1,287,386	698,169	54.2%	22,925,489	17,583,854	5,341,635	30.4%	19
Non-operating revenues (expense):									
20 Two-mill tax	-	-	-	0.0%	-	-	-	0.0%	20
21 Three-mill tax	-	-	-	0.0%	-	-	-	0.0%	21
22 Six-mill tax	-	-	-	0.0%	-	-	-	0.0%	22
23 Nine-mill tax	-	-	-	0.0%	-	-	-	0.0%	23
24 Interest income	756,223	41	756,182	1838516.8%	968,604	526,862	441,742	83.8%	24
25 Other Taxes	-	-	-	0.0%	132,482	132,286	196	0.1%	25
26 Other Income	5,195,312	-	5,195,312	0.0%	5,195,312	6,679,294	(1,483,982)	-22.2%	26
27 Interest expense	(804,046)	(834,524)	30,478	-3.7%	(7,236,413)	(7,510,716)	274,303	-3.7%	27
28 Operating and maintenance grants	29,587	(58)	29,645	-51023.5%	30,187	(389)	30,576	-7852.1%	28
29 Provision for grants	-	-	-	0.0%	-	-	-	0.0%	29
30 Total non-operating revenues	5,177,076	(834,541)	6,011,617	-720.4%	(909,828)	(172,664)	(737,165)	426.9%	30
31 Income before capital contributions	7,162,631	452,846	6,709,786	1481.7%	22,015,660	17,411,190	4,604,471	26.4%	31
32 Capital contributions	3,258,673	978,687	2,279,986	233.0%	9,053,495	5,149,083	3,904,411	75.8%	32
33 Change in net position	10,421,304	1,431,533	8,989,771	628.0%	31,069,155	22,560,273	8,508,882	37.7%	33
34 Audit Adjustment						478,632			34
35 Net position, beginning of year					371,193,548	337,709,558	33,483,990	9.9%	35
36 Net position, end of year					402,262,703	360,748,463	41,514,240	11.5%	36

SEWERAGE AND WATER BOARD OF NEW ORLEANS
SEWER SYSTEM FUND
STATEMENT OF REVENUES AND EXPENSES AND CHANGES IN NET POSITION
WITH PRIOR YEAR COMPARISONS
September 2020 Preliminary Financials

	A	B	C	D	E	F	G	H	
	MTD	MTD	MTD		YTD	YTD	YTD		
	Actual	Prior Year	Variance	%	Actual	Prior Year	Variance	%	
Operating revenues:									
1 Sales of water and delinquent fees	-	-	-	0.0%	-	-	-	0.0%	1
2 Sewerage service charges and del fees	11,856,976	8,910,914	2,946,062	33.1%	109,770,001	102,693,299	7,076,702	6.9%	2
3 Plumbing inspection and license fees	16,220	28,711	(12,491)	-43.5%	170,131	219,563	(49,432)	-22.5%	3
4 Other revenues	22,428	27,879	(5,450)	-19.5%	708,493	741,965	(33,471)	-4.5%	4
5 Total operating revenues	11,895,624	8,967,504	2,928,121	32.7%	110,648,625	103,654,827	6,993,799	6.7%	5
Operating Expenses:									
6 Power and pumping	515,689	210,873	304,816	144.5%	3,950,598	3,196,377	754,221	23.6%	6
7 Treatment	2,129,850	1,888,074	241,775	12.8%	9,574,789	5,422,716	4,152,073	76.6%	7
8 Transmission and distribution	1,031,081	874,806	156,275	17.9%	8,147,427	9,969,434	(1,822,007)	-18.3%	8
9 Customer accounts	196,209	208,223	(12,015)	-5.8%	1,618,287	1,906,915	(288,627)	-15.1%	9
10 Customer service	270,764	236,512	34,252	14.5%	2,682,385	1,711,364	971,021	56.7%	10
11 Administration and general	799,032	1,235,737	(436,705)	-35.3%	8,061,675	13,366,844	(5,305,170)	-39.7%	11
12 Payroll related	2,131,496	1,485,049	646,447	43.5%	15,493,120	13,369,127	2,123,993	15.9%	12
13 Maintenance of general plant	408,642	462,010	(53,368)	-11.6%	4,305,527	5,547,730	(1,242,203)	-22.4%	13
14 Depreciation	2,209,906	1,968,320	241,586	12.3%	19,889,153	18,450,959	1,438,193	7.8%	14
15 Amortization	-	-	-	0.0%	-	-	-	0.0%	15
16 Provision for doubtful accounts	346,465	192,888	153,577	79.6%	2,537,108	1,735,993	801,114	46.1%	16
17 Provision for claims	98,360	106,372	(8,012)	-7.5%	615,735	848,918	(233,182)	-27.5%	17
18 Total operating expenses	10,137,493	8,868,865	1,268,628	14.3%	76,875,803	75,526,377	1,349,426	1.8%	18
19 Operating income (loss)	1,758,131	98,638	1,659,493	1682.4%	33,772,823	28,128,450	5,644,373	20.1%	19
Non-operating revenues (expense):									
20 Two-mill tax	-	-	-	0.0%	-	-	-	0.0%	20
21 Three-mill tax	-	-	-	0.0%	-	-	-	0.0%	21
22 Six-mill tax	-	-	-	0.0%	-	-	-	0.0%	22
23 Nine-mill tax	-	-	-	0.0%	-	-	-	0.0%	23
24 Interest income	980,377	4	980,373	24206748.9%	1,219,074	468,679	750,396	160.1%	24
25 Other Taxes	-	-	-	0.0%	165,231	164,986	245	0.1%	25
26 Other Income	-	-	-	0.0%	-	9,080,856	(9,080,856)	-100.0%	26
27 Interest expense	(862,714)	(982,676)	119,962	-12.2%	(8,029,784)	(8,844,084)	814,300	-9.2%	27
28 Operating and maintenance grants	28,116	-	28,116	0.0%	28,116	487	27,629	5674.5%	28
29 Provision for grants	-	-	-	0.0%	-	-	-	0.0%	29
30 Total non-operating revenues	145,779	(982,672)	1,128,451	-114.8%	(6,617,364)	870,923	(7,488,287)	-859.8%	30
31 Income before capital contributions	1,903,910	(884,034)	2,787,944	-315.4%	27,155,459	28,999,373	(1,843,914)	-6.4%	31
32 Capital contributions	6,374,006	532,870	5,841,136	1096.2%	8,465,563	4,956,620	3,508,943	70.8%	32
33 Change in net position	8,277,916	(351,164)	8,629,080	-2457.3%	35,621,022	33,955,992	1,665,030	4.9%	33
34 Audit Adjustment						1,862,475			34
35 Net position, beginning of year					812,112,814	784,959,695	27,153,119	3.5%	35
36 Net position, end of year					847,733,836	820,778,162	26,955,674	3.3%	36

SEWERAGE AND WATER BOARD OF NEW ORLEANS
DRAINAGE SYSTEM FUND
STATEMENT OF REVENUES AND EXPENSES AND CHANGES IN NET POSITION
WITH PRIOR YEAR COMPARISONS
September 2020 Preliminary Financials

	A	B	C	D	E	F	G	H	
	MTD	MTD	MTD		YTD	YTD	YTD		
	Actual	Prior Year	Variance	%	Actual	Prior Year	Variance	%	
Operating revenues:									
1 Sales of water and delinquent fees	-	-	-	0.0%	-	-	-	0.0%	1
2 Sewerage service charges and del fees	-	-	-	0.0%	-	-	-	0.0%	2
3 Plumbing inspection and license fees	-	-	-	0.0%	-	-	-	0.0%	3
4 Other revenues	(97,739)	1,986	(99,725)	-5022.5%	(1,580,884)	511,617	(2,092,501)	-409.0%	4
5 Total operating revenues	(97,739)	1,986	(99,725)	-5022.5%	(1,580,884)	511,617	(2,092,501)	-409.0%	5
Operating Expenses:									
6 Power and pumping	780,732	633,446	147,286	23.3%	7,491,854	7,015,975	475,880	6.8%	6
7 Treatment	-	-	-	0.0%	-	-	-	0.0%	7
8 Transmission and distribution	305,440	429,161	(123,720)	-28.8%	3,061,741	3,120,514	(58,773)	-1.9%	8
9 Customer accounts	7,450	2,502	4,948	197.8%	15,334	19,382	(4,048)	-20.9%	9
10 Customer service	5,750	6,237	(488)	-7.8%	59,621	52,972	6,649	12.6%	10
11 Administration and general	394,342	608,610	(214,268)	-35.2%	3,864,445	6,434,740	(2,570,295)	-39.9%	11
12 Payroll related	1,518,816	1,019,500	499,316	49.0%	10,550,944	9,205,120	1,345,825	14.6%	12
13 Maintenance of general plant	231,072	248,629	(17,558)	-7.1%	3,109,471	3,312,026	(202,556)	-6.1%	13
14 Depreciation	2,082,822	1,967,750	115,072	5.8%	18,745,396	18,055,242	690,154	3.8%	14
15 Amortization	-	-	-	0.0%	-	-	-	0.0%	15
16 Provision for doubtful accounts	3,709	974	2,736	281.0%	33,385	8,764	24,621	281.0%	16
17 Provision for claims	49,180	53,186	(4,006)	-7.5%	(117,070)	425,800	(542,870)	-127.5%	17
18 Total operating expenses	5,379,313	4,969,995	409,318	8.2%	46,815,120	47,650,534	(835,414)	-1.8%	18
19 Operating income (loss)	(5,477,052)	(4,968,009)	(509,042)	10.2%	(48,396,004)	(47,138,917)	(1,257,087)	2.7%	19
Non-operating revenues (expense):									
20 Two-mill tax	260	-	260	0.0%	643	35	608	1752.0%	20
21 Three-mill tax	433,264	-	433,264	0.0%	17,776,627	15,180,014	2,596,613	17.1%	21
22 Six-mill tax	456,184	-	456,184	0.0%	18,735,321	16,006,243	2,729,078	17.1%	22
23 Nine-mill tax	683,661	-	683,661	0.0%	28,082,405	23,992,705	4,089,700	17.0%	23
24 Interest income	48,737	22,852	25,885	113.3%	143,345	504,031	(360,686)	-71.6%	24
25 Other Taxes	-	-	-	0.0%	-	-	-	0.0%	25
26 Other Income	1,030,625	-	1,030,625	0.0%	1,030,625	11,888,501	(10,857,876)	-91.3%	26
27 Interest expense	-	-	-	0.0%	-	-	-	0.0%	27
28 Operating and maintenance grants	17,458	-	17,458	0.0%	17,458	-	17,458	0.0%	28
29 Provision for claims	-	-	-	0.0%	-	-	-	0.0%	29
30 Total non-operating revenues	2,670,189	22,852	2,647,337	11584.8%	65,786,424	67,571,528	(1,785,104)	-2.6%	30
31 Income before capital contributions	(2,806,863)	(4,945,158)	2,138,295	-43.2%	17,390,420	20,432,610	(3,042,190)	-14.9%	31
32 Capital contributions	253,144	1,297,081	(1,043,937)	-80.5%	648,163	4,884,715	(4,236,552)	-86.7%	32
33 Change in net position	(2,553,718)	(3,648,076)	1,094,358	-30.0%	18,038,583	25,317,326	(7,278,742)	-28.8%	33
34 Audit Adjustment						202,438			34
35 Net position, beginning of year					1,172,961,690	1,122,132,738	50,828,952	4.5%	35
36 Net position, end of year					1,191,000,273	1,147,652,502	43,347,772	3.8%	36

SEWERAGE AND WATER BOARD OF NEW ORLEANS
ALL SYSTEM FUNDS
STATEMENT OF REVENUES AND EXPENSES AND CHANGES IN NET POSITION
WITH BUDGET COMPARISONS
September 2020 Preliminary Financials

	A	B	C	D	E	F	G	H	
	MTD	MTD	MTD		YTD	YTD	YTD		
	Actual	Budget	Variance	%	Actual	Budget	Variance	%	
Operating revenues:									
1 Sales of water and delinquent fees	9,631,383	9,912,699	(281,316)	-2.8%	87,567,124	89,214,289	(1,647,165)	-1.8%	1
2 Sewerage service charges and del fees	11,856,976	12,409,210	(552,234)	-4.5%	109,770,001	111,682,888	(1,912,887)	-1.7%	2
3 Plumbing inspection and license fees	32,969	51,790	(18,821)	-36.3%	342,971	466,112	(123,141)	-26.4%	3
4 Other revenues	36,234	48,613	(12,378)	-25.5%	2,805,844	437,513	2,368,332	541.3%	4
5 Total operating revenues	21,557,562	22,422,311	(864,749)	-3.9%	200,485,940	201,800,801	(1,314,860)	-0.7%	5
Operating Expenses:									
6 Power and pumping	1,523,025	1,910,649	(387,624)	-20.3%	13,248,731	17,195,845	(3,947,114)	-23.0%	6
7 Treatment	2,699,392	2,194,205	505,188	23.0%	16,102,556	19,747,841	(3,645,285)	-18.5%	7
8 Transmission and distribution	3,035,550	3,863,218	(827,668)	-21.4%	22,003,275	34,768,961	(12,765,686)	-36.7%	8
9 Customer accounts	399,867	531,758	(131,891)	-24.8%	3,251,910	4,785,820	(1,533,909)	-32.1%	9
10 Customer service	547,279	788,843	(241,564)	-30.6%	5,424,393	7,099,585	(1,675,192)	-23.6%	10
11 Administration and general	1,855,545	5,232,279	(3,376,735)	-64.5%	18,291,870	47,090,515	(28,798,644)	-61.2%	11
12 Payroll related	5,771,843	3,515,789	2,256,054	64.2%	41,407,711	31,642,100	9,765,612	30.9%	12
13 Maintenance of general plant	1,240,153	2,756,683	(1,516,530)	-55.0%	18,170,886	24,810,147	(6,639,261)	-26.8%	13
14 Depreciation	5,346,353	5,750,583	(404,231)	-7.0%	48,117,173	51,755,250	(3,638,078)	-7.0%	14
15 Amortization	-	-	-	0.0%	-	-	-	0.0%	15
16 Provision for doubtful accounts	626,023	-	626,023	0.0%	5,053,128	-	5,053,128	0.0%	16
17 Provision for claims	245,900	370,542	(124,642)	-33.6%	1,112,000	3,334,875	(2,222,875)	-66.7%	17
18 Total operating expenses	23,290,928	26,914,549	(3,623,621)	-13.5%	192,183,632	242,230,938	(50,047,306)	-20.7%	18
19 Operating income (loss)	(1,733,365)	(4,492,238)	2,758,872	-61.4%	8,302,308	(40,430,138)	48,732,445	-120.5%	19
Non-operating revenues (expense):									
20 Two-mill tax	260	-	260	0.0%	643	-	643	0.0%	20
21 Three-mill tax	433,264	1,501,084	(1,067,820)	-71.1%	17,776,627	13,509,758	4,266,869	31.6%	21
22 Six-mill tax	456,184	1,585,226	(1,129,042)	-71.2%	18,735,321	14,267,031	4,468,290	31.3%	22
23 Nine-mill tax	683,661	2,376,156	(1,692,495)	-71.2%	28,082,405	21,385,402	6,697,003	31.3%	23
24 Interest income	1,785,338	124,965	1,660,373	1328.7%	2,331,023	1,124,681	1,206,342	107.3%	24
25 Other Taxes	-	323,967	(323,967)	-100.0%	297,713	2,915,700	(2,617,988)	-89.8%	25
26 Other Income	6,225,937	-	6,225,937	0.0%	6,225,937	-	6,225,937	0.0%	26
27 Interest expense	(1,666,760)	-	(1,666,760)	0.0%	(15,266,197)	-	(15,266,197)	0.0%	27
28 Operating and maintenance grants	75,161	210,262	(135,101)	-64.3%	75,761	1,892,357	(1,816,596)	-96.0%	28
29 Provision for grants	-	-	-	0.0%	-	-	-	0.0%	29
30 Total non-operating revenues	7,993,044	6,121,659	1,871,385	30.6%	58,259,232	55,094,929	3,164,303	5.7%	30
31 Income before capital contributions	6,259,679	1,629,421	4,630,258	284.2%	66,561,540	14,664,792	51,896,748	353.9%	31
32 Capital contributions	9,885,823	-	9,885,823	0.0%	18,167,221	-	18,167,221	0.0%	32
33 Change in net position	16,145,502	1,629,421	14,516,081	890.9%	84,728,760	14,664,792	70,063,969	477.8%	33
34 Audit Adjustment									34
35 Net position, beginning of year					2,356,268,052	2,244,801,991	111,466,061	5.0%	35
36 Net position, end of year					2,443,540,357	2,259,466,783	184,073,575	8.1%	36

SEWERAGE AND WATER BOARD OF NEW ORLEANS
WATER SYSTEM FUND
STATEMENT OF REVENUES AND EXPENSES AND CHANGES IN NET POSITION
WITH BUDGET COMPARISONS
September 2020 Preliminary Financials

	A	B	C	D	E	F	G	H	
	MTD	MTD	MTD		YTD	YTD	YTD		
	Actual	Budget	Variance	%	Actual	Budget	Variance	%	
Operating revenues:									
1 Sales of water and delinquent fees	9,631,383	9,912,699	(281,316)	-2.8%	87,567,124	89,214,289	(1,647,165)	-1.8%	1
2 Sewerage service charges and del fees	-	-	-	0.0%	-	-	-	0.0%	2
3 Plumbing inspection and license fees	16,749	25,867	(9,118)	-35.2%	172,840	232,803	(59,963)	-25.8%	3
4 Other revenues1	111,545	21,633	89,912	415.6%	3,678,235	194,693	3,483,541	1789.2%	4
5 Total operating revenues	9,759,677	9,960,198	(200,521)	-2.0%	91,418,199	89,641,785	1,776,414	2.0%	5
Operating Expenses:									
6 Power and pumping	226,604	248,272	(21,668)	-8.7%	1,806,278	2,234,445	(428,167)	-19.2%	6
7 Treatment	569,543	928,097	(358,554)	-38.6%	6,527,767	8,352,872	(1,825,105)	-21.9%	7
8 Transmission and distribution	1,699,029	1,696,474	2,555	0.2%	10,794,107	15,268,264	(4,474,157)	-29.3%	8
9 Customer accounts	196,209	265,334	(69,125)	-26.1%	1,618,289	2,388,004	(769,715)	-32.2%	9
10 Customer service	270,765	390,983	(120,219)	-30.7%	2,682,387	3,518,849	(836,462)	-23.8%	10
11 Administration and general	662,171	1,736,424	(1,074,254)	-61.9%	6,365,750	15,627,820	(9,262,070)	-59.3%	11
12 Payroll related	2,121,531	1,363,048	758,483	55.6%	15,363,648	12,267,429	3,096,219	25.2%	12
13 Maintenance of general plant	600,438	1,245,296	(644,857)	-51.8%	10,755,889	11,207,661	(451,772)	-4.0%	13
14 Depreciation	1,053,625	1,577,667	(524,042)	-33.2%	9,482,624	14,199,000	(4,716,376)	-33.2%	14
15 Amortization	-	-	-	0.0%	-	-	-	0.0%	15
16 Provision for doubtful accounts	275,848	-	275,848	0.0%	2,482,635	-	2,482,635	0.0%	16
17 Provision for claims	98,360	135,717	(37,357)	-27.5%	613,335	1,221,450	(608,115)	-49.8%	17
18 Total operating expenses	7,774,122	9,587,310	(1,813,189)	-18.9%	68,492,710	86,285,794	(17,793,084)	-20.6%	18
19 Operating income (loss)	1,985,555	372,888	1,612,667	432.5%	22,925,489	3,355,991	19,569,498	583.1%	19
Non-operating revenues (expense):									
20 Two-mill tax	-	-	-	0.0%	-	-	-	0.0%	20
21 Three-mill tax	-	-	-	0.0%	-	-	-	0.0%	21
22 Six-mill tax	-	-	-	0.0%	-	-	-	0.0%	22
23 Nine-mill tax	-	-	-	0.0%	-	-	-	0.0%	23
24 Interest income	756,223	43,905	712,318	1622.4%	968,604	395,146	573,458	145.1%	24
25 Other Taxes	-	208,415	(208,415)	-100.0%	132,482	1,875,738	(1,743,256)	-92.9%	25
26 Other Income	5,195,312	-	5,195,312	0.0%	5,195,312	-	5,195,312	0.0%	26
27 Interest expense	(804,046)	-	(804,046)	0.0%	(7,236,413)	-	(7,236,413)	0.0%	27
28 Operating and maintenance grants	29,587	63,079	(33,492)	-53.1%	30,187	567,707	(537,521)	-94.7%	28
29 Provision for grants	-	-	-	0.0%	-	-	-	0.0%	29
30 Total non-operating revenues	5,177,076	315,399	4,861,677	1541.4%	(909,828)	2,838,591	(3,748,420)	-132.1%	30
31 Income before capital contributions	7,162,631	688,287	6,474,344	940.6%	22,015,660	6,194,582	15,821,078	255.4%	31
32 Capital contributions	3,258,673	-	3,258,673	0.0%	9,053,495	-	9,053,495	0.0%	32
33 Change in net position	10,421,304	688,287	9,733,017	1414.1%	31,069,155	6,194,582	24,874,573	401.6%	33
34 Audit Adjustment	-	-	-	-	-	-	-	-	34
35 Net position, beginning of year	371,193,548	337,709,558	33,483,990	9.9%					35
36 Net position, end of year	402,741,335	343,904,140	58,837,195	17.1%					36

SEWERAGE AND WATER BOARD OF NEW ORLEANS
SEWER SYSTEM FUND
STATEMENT OF REVENUES AND EXPENSES AND CHANGES IN NET POSITION
WITH BUDGET COMPARISONS
September 2020 Preliminary Financials

	A	B	C	D	E	F	G	H	
	MTD	MTD	MTD		YTD	YTD	YTD		
	Actual	Budget	Variance	%	Actual	Budget	Variance	%	
Operating revenues:									
1 Sales of water and delinquent fees	-	-	-	0.0%	-	-	-	0.0%	1
2 Sewerage service charges and del fees	11,856,976	12,409,210	(552,234)	-4.5%	109,770,001	111,682,888	(1,912,887)	-1.7%	2
3 Plumbing inspection and license fees	16,220	25,923	(9,703)	-37.4%	170,131	233,309	(63,178)	-27.1%	3
4 Other revenues	22,428	26,980	(4,552)	-16.9%	708,493	242,819	465,674	191.8%	4
5 Total operating revenues	11,895,624	12,462,113	(566,488)	-4.5%	110,648,625	112,159,016	(1,510,390)	-1.3%	5
Operating Expenses:									
6 Power and pumping	515,689	481,322	34,367	7.1%	3,950,598	4,331,895	(381,297)	-8.8%	6
7 Treatment	2,129,850	1,266,108	863,742	68.2%	9,574,789	11,394,969	(1,820,180)	-16.0%	7
8 Transmission and distribution	1,031,081	1,746,474	(715,393)	-41.0%	8,147,427	15,718,264	(7,570,837)	-48.2%	8
9 Customer accounts	196,209	265,334	(69,125)	-26.1%	1,618,287	2,388,004	(769,717)	-32.2%	9
10 Customer service	270,764	390,983	(120,219)	-30.7%	2,682,385	3,518,849	(836,464)	-23.8%	10
11 Administration and general	799,032	2,361,196	(1,562,164)	-66.2%	8,061,675	21,250,766	(13,189,092)	-62.1%	11
12 Payroll related	2,131,496	1,435,948	695,547	48.4%	15,493,120	12,923,535	2,569,585	19.9%	12
13 Maintenance of general plant	408,642	999,759	(591,116)	-59.1%	4,305,527	8,997,828	(4,692,301)	-52.1%	13
14 Depreciation	2,209,906	2,260,417	(50,511)	-2.2%	19,889,153	20,343,750	(454,598)	-2.2%	14
15 Amortization	-	-	-	0.0%	-	-	-	0.0%	15
16 Provision for doubtful accounts	346,465	-	346,465	0.0%	2,537,108	-	2,537,108	0.0%	16
17 Provision for claims	98,360	135,717	(37,357)	-27.5%	615,735	1,221,450	(605,715)	-49.6%	17
18 Total operating expenses	10,137,493	11,343,257	(1,205,763)	-10.6%	76,875,803	102,089,310	(25,213,508)	-24.7%	18
19 Operating income (loss)	1,758,131	1,118,856	639,275	57.1%	33,772,823	10,069,705	23,703,118	235.4%	19
Non-operating revenues (expense):									
20 Two-mill tax	-	-	-	0.0%	-	-	-	0.0%	20
21 Three-mill tax	-	-	-	0.0%	-	-	-	0.0%	21
22 Six-mill tax	-	-	-	0.0%	-	-	-	0.0%	22
23 Nine-mill tax	-	-	-	0.0%	-	-	-	0.0%	23
24 Interest income	980,377	39,057	941,320	2410.1%	1,219,074	351,512	867,562	246.8%	24
25 Other Taxes	-	72,806	(72,806)	-100.0%	165,231	655,252	(490,021)	-74.8%	25
26 Other Income	-	-	-	0.0%	-	-	-	0.0%	26
27 Interest expense	(862,714)	-	(862,714)	0.0%	(8,029,784)	-	(8,029,784)	0.0%	27
28 Operating and maintenance grants	28,116	105,131	(77,015)	-73.3%	28,116	946,178	(918,062)	-97.0%	28
29 Provision for grants	-	-	-	0.0%	-	-	-	0.0%	29
30 Total non-operating revenues	145,779	216,994	(71,214)	-32.8%	(6,617,364)	1,952,942	(8,570,305)	-438.8%	30
31 Income before capital contributions	1,903,910	1,335,850	568,061	42.5%	27,155,459	12,022,647	15,132,812	125.9%	31
32 Capital contributions	6,374,006	-	6,374,006	0.0%	8,465,563	-	8,465,563	0.0%	32
33 Change in net position	8,277,916	1,335,850	6,942,066	519.7%	35,621,022	12,022,647	23,598,375	196.3%	33
34 Audit Adjustment					-				34
35 Net position, beginning of year					812,112,814	784,959,695	27,153,119	3.5%	35
36 Net position, end of year					849,596,311	796,982,342	52,613,969	6.6%	36

SEWERAGE AND WATER BOARD OF NEW ORLEANS
DRAINAGE SYSTEM FUND
STATEMENT OF REVENUES AND EXPENSES AND CHANGES IN NET POSITION
WITH BUDGET COMPARISONS
September 2020 Preliminary Financials

	A	B	C	D	E	F	G	H	
	MTD	MTD	MTD		YTD	YTD	YTD		
	Actual	Budget	Variance	%	Actual	Budget	Variance	%	
Operating revenues:									
1 Sales of water and delinquent fees	-	-	-	0.0%	-	-	-	0.0%	1
2 Sewerage service charges and del fees	-	-	-	0.0%	-	-	-	0.0%	2
3 Plumbing inspection and license fees	-	-	-	0.0%	-	-	-	0.0%	3
4 Other revenues	(97,739)	-	(97,739)	100.0%	(1,580,884)	-	(1,580,884)	100.0%	4
5 Total operating revenues	(97,739)	-	(97,739)	100.0%	(1,580,884)	-	(1,580,884)	100.0%	5
Operating Expenses:									
6 Power and pumping	780,732	1,181,056	(400,324)	-33.9%	7,491,854	10,629,504	(3,137,650)	-29.5%	6
7 Treatment	-	-	-	0.0%	-	-	-	0.0%	7
8 Transmission and distribution	305,440	420,270	(114,830)	-27.3%	3,061,741	3,782,433	(720,693)	-19.1%	8
9 Customer accounts	7,450	1,090	6,359	583.3%	15,334	9,812	5,522	56.3%	9
10 Customer service	5,750	6,876	(1,127)	-16.4%	59,621	61,887	(2,266)	-3.7%	10
11 Administration and general	394,342	1,134,659	(740,317)	-65.2%	3,864,445	10,211,929	(6,347,483)	-62.2%	11
12 Payroll related	1,518,816	716,793	802,023	111.9%	10,550,944	6,451,136	4,099,808	63.6%	12
13 Maintenance of general plant	231,072	511,629	(280,557)	-54.8%	3,109,471	4,604,658	(1,495,188)	-32.5%	13
14 Depreciation	2,082,822	1,912,500	170,322	8.9%	18,745,396	17,212,500	1,532,896	8.9%	14
15 Amortization	-	-	-	0.0%	-	-	-	0.0%	15
16 Provision for doubtful accounts	3,709	-	3,709	0.0%	33,385	-	33,385	0.0%	16
17 Provision for claims	49,180	99,108	(49,928)	-50.4%	(117,070)	891,975	(1,009,045)	-113.1%	17
18 Total operating expenses	5,379,313	5,983,982	(604,669)	-10.1%	46,815,120	53,855,834	(7,040,714)	-13.1%	18
19 Operating income (loss)	(5,477,052)	(5,983,982)	506,930	-8.5%	(48,396,004)	(53,855,834)	5,459,830	-10.1%	19
Non-operating revenues (expense):									
20 Two-mill tax	260	-	260	0.0%	643	-	643	0.0%	20
21 Three-mill tax	433,264	1,501,084	(1,067,820)	-71.1%	17,776,627	13,509,758	4,266,869	31.6%	21
22 Six-mill tax	456,184	1,585,226	(1,129,042)	-71.2%	18,735,321	14,267,031	4,468,290	31.3%	22
23 Nine-mill tax	683,661	2,376,156	(1,692,495)	-71.2%	28,082,405	21,385,402	6,697,003	31.3%	23
24 Interest income	48,737	42,003	6,734	16.0%	143,345	378,023	(234,678)	-62.1%	24
25 Other Taxes	-	42,746	(42,746)	-100.0%	-	384,711	(384,711)	-100.0%	25
26 Other Income	1,030,625	-	1,030,625	0.0%	1,030,625	-	1,030,625	0.0%	26
27 Interest expense	-	-	-	0.0%	-	-	-	0.0%	27
28 Operating and maintenance grants	17,458	42,052	(24,594)	-58.5%	17,458	378,471	(361,013)	-95.4%	28
29 Provision for grants	-	-	-	0.0%	-	-	-	0.0%	29
30 Total non-operating revenues	2,670,189	5,589,266	(2,919,077)	-52.2%	65,786,424	50,303,396	15,483,028	30.8%	30
31 Income before capital contributions	(2,806,863)	(394,715)	(2,412,147)	611.1%	17,390,420	(3,552,438)	20,942,858	-589.5%	31
32 Capital contributions	253,144	-	253,144	0.0%	648,163	-	648,163	0.0%	32
33 Change in net position	(2,553,718)	(394,715)	(2,159,003)	547.0%	18,038,583	(3,552,438)	21,591,021	-607.8%	33
34 Audit Adjustment					-				34
35 Net position, beginning of year					1,172,961,690	1,122,132,738	50,828,952	4.5%	35
36 Net position, end of year					1,191,202,711	1,118,580,300	72,622,411	6.5%	36



November 11, 2020

Memorandum

To: SWBNO, Finance and Administration Committee

From: Lisa Daniel, PFM Financial Advisors LLC (PFM)
As Co-Municipal Advisor to the Board of Liquidation, City Debt (BOLCD)

Cc: David Gernhauser, BOLCD
& other members of the Financing Team

Re: Refunding Opportunity

The historic low rates of the municipal bond market currently allow for a refunding opportunity related the SWB's existing:

- Sewer Service Revenue Bonds, Series 2014
- Sewer Service Revenue Bonds, Series 2015
- Water Revenue Bonds, Series 2014
- Water Revenue Bonds, Series 2015

The corresponding Resolutions provide for a refunding of a portion or all of the above-mentioned issues in order to provide debt service savings. As co-Financial Advisor to the Board of Liquidation, PFM will assist to determine those maturities of the above mention bonds which, when refunded, produce debt service savings in future years.

Given current market rates, it is estimated that present value debt service savings would exceed **\$11 million** for the Sewerage Service Revenue Bonds, (net present value savings of more than 8% of the refunded par) and would exceed **\$7.5 million** for the Water Revenue Bonds, (net pv savings of more than 6% of the refunded par). The refunding debt service savings are subject to interest rate volatility and will decrease if market rates should increase between now and bond closing.

The refunding bonds would be issued as taxable bonds and would not extend beyond the maturity date of the existing debt in 2045.

SEWERAGE AND WATER BOARD OF NEW ORLEANS

PRELIMINARY APPROVAL FOR SEWERAGE SERVICE REVENUE REFUNDING BONDS

The following resolution was offered by _____ and seconded by _____:

RESOLUTION

A resolution giving preliminary approval to the issuance of not exceeding Two Hundred Fifteen Million Dollars (\$215,000,000) of Sewerage Service Revenue Refunding Bonds of the City of New Orleans, Louisiana; making application to the State Bond Commission for approval of said bonds; and providing for other matters in connection therewith.

WHEREAS, the Sewerage and Water Board of New Orleans (the "Sewerage and Water Board") is authorized to issue in the name of the City of New Orleans, Louisiana (the "City"), bonds payable solely out of the revenues derived from sewerage service charges for purposes relating to the sewerage system of the City, pursuant to the provisions of Part III of Chapter 9 of the Louisiana Revised Statutes of 1950, as amended, and other constitutional and statutory authority (the "Act"); and

WHEREAS, the Sewerage and Water Board adopted a General Sewerage Service Revenue Bond Resolution on May 21, 2014 (the "General Bond Resolution"), authorizing the issuance from time to time of Sewerage Service Revenue Bonds of the City, as supplemented to the date hereof; and

WHEREAS, all Sewerage Service Revenue Bonds of the City are administered by the Board of Liquidation, City Debt (the "Board of Liquidation"); and

WHEREAS, currently the City has outstanding (i) Sewerage Service Revenue Bonds, Series 2011, (ii) Sewerage Service Revenue and Refunding Bonds, Series 2014 (the "Series 2014 Bonds"), (iii) Sewerage Service Revenue Bonds, Series 2015 (the "Series 2015 Bonds"), (iv) Sewerage Service Revenue Bond, Series 2019, (v) Sewerage Service Revenue Bond, Series 2020A, and (vi) Sewerage Service Revenue Bonds, Series 2020B, when issued; and

WHEREAS, in order to provide debt service savings and relief, the Sewerage and Water Board desires to refund all or a portion of the Series 2014 Bonds and the Series 2015 Bonds (such refunded maturities referred to herein collectively as the "Refunded Bonds"), pursuant to the provisions of the Act, through the issuance of its Sewerage Service Revenue Refunding Bonds (the "Sewerage Revenue Refunding Bonds"); and

WHEREAS, the Sewerage and Water Board desires to authorize the issuance of Sewerage Revenue Refunding Bonds to refund the Refunded Bonds;

NOW, THEREFORE, BE IT RESOLVED by the Sewerage and Water Board of New Orleans, as follows:

SECTION 1. **Preliminary Approval of Sewerage Revenue Refunding Bonds**. Pursuant to the provisions of the Act, preliminary approval is given to the issuance of not exceeding Two Hundred Fifteen Million Dollars (\$215,000,000) of Sewerage Service Revenue Refunding Bonds of the City of New

Orleans, Louisiana, to be issued for the purpose of refunding the Refunded Bonds, funding reserves, and paying costs of issuance, including insurance, if necessary, is hereby approved. The Sewerage Revenue Refunding Bonds shall bear interest at a rate or rates not to exceed six percent (6%) per annum, to be determined by subsequent resolution of the Board of Liquidation at the time of the sale of the Sewerage Revenue Refunding Bonds, and shall mature not later than June 1, 2045. The Sewerage Revenue Refunding Bonds shall be issued in fully registered form and shall have such additional terms and provisions as may be determined by the Sewerage and Water Board and the Board of Liquidation at the time of issuance and sale of the Sewerage Revenue Refunding Bonds. The Sewerage Revenue Refunding Bonds will be secured by the pledge of revenues derived sewerage service charges for purposes relating to the sewerage system of the City, all as more fully provided in the Act and the General Bond Resolution. The Sewerage Revenue Refunding Bonds shall be issued on a parity with the Outstanding Bonds.

SECTION 2. **State Bond Commission.** Application is hereby made to the State Bond Commission, Baton Rouge, Louisiana, for approval of the issuance and sale of the Sewerage Revenue Refunding Bonds, and co-bond counsel are directed to make application to the State Bond Commission in accordance with the foregoing on behalf of the Sewerage and Water Board.

By virtue of the Sewerage and Water Board's application for, acceptance and utilization of the benefits of the State Bond Commission's approval requested herein, the Sewerage and water Board understands and agrees that such approval is expressly conditioned upon, and further understands, agrees and binds itself, its successors and assigns, to full and continuing compliance with the "State Bond Commission Policy on Approval of Proposed Use of Swaps, or other forms of Derivative Products, Hedges, Etc.," adopted by the Commission on July 20, 2006, as to the borrowing and other matters subject to the approval, including subsequent application and approval under said Policy of the implementation or use of any swaps or other products or enhancements covered thereby.

SECTION 3. **Request for Approval.** A certified copy of this resolution shall be furnished to the Council of the City and the Board of Liquidation. The Sewerage and Water Board hereby requests that the Council of the City and the Board of Liquidation approve this resolution and any other resolutions of the

Sewerage and Water Board providing for the issuance of the Sewerage Revenue Refunding Bonds, if required by law.

SECTION 4. **Authorization.** The President and the Executive Director of the Sewerage and Water Board be and they are hereby authorized and directed to take all further action as may be necessary and appropriate to effectuate and implement this Resolution.

This resolution having been submitted to a vote, the vote thereon was as follows:

<u>Member</u>	<u>Yea</u>	<u>Nay</u>	<u>Absent</u>	<u>Abstaining</u>
Jay H. Banks	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Robin Barnes	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Tamika Duplessis, Ph. D	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Alejandra Guzman	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Janet Howard	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Ralph Johnson	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Joseph Peychaud	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Lynes R. "Poco" Sloss	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Maurice G. Sholas	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Mayor LaToya Cantrell	<u> </u>	<u> </u>	<u> </u>	<u> </u>

And the resolution was declared adopted on this 18th day of November, 2020.

STATE OF LOUISIANA

PARISH OF ORLEANS

I, the undersigned Executive Director of the Sewerage and Water Board of New Orleans (the "Sewerage and Water Board"), do hereby certify that the foregoing pages constitute a true and correct copy of a resolution adopted by the Sewerage and Water Board on November 18, 2020, giving preliminary approval to the issuance of not exceeding Two Hundred Fifteen Million Dollars (\$215,000,000) of Sewerage Service Revenue Refunding Bonds of the City of New Orleans, Louisiana; making application to the State Bond Commission for approval of said Refunding Bonds; and providing for other matters in connection therewith.

IN FAITH WHEREOF, witness my official signature on this, the 18th day of November, 2020.

Executive Director of the Sewerage
and Water Board of New Orleans

SEWERAGE AND WATER BOARD OF NEW ORLEANS

PRELIMINARY APPROVAL FOR WATER REVENUE REFUNDING BONDS

The following resolution was offered by _____ and seconded by _____:

RESOLUTION

A resolution giving preliminary approval to the issuance of not exceeding Two Hundred Million Dollars (\$200,000,000) of Water Revenue Refunding Bonds of the City of New Orleans, Louisiana; making application to the State Bond Commission for approval of said bonds; authorizing the reimbursement of expenditures from proceeds of any such bonds; and providing for other matters in connection therewith.

WHEREAS, the Sewerage and Water Board of New Orleans (the "Sewerage and Water Board") is authorized to issue in the name of the City of New Orleans, Louisiana (the "City"), bonds payable solely out of the revenues derived from water rates for purposes relating to the water system of the City, after provision has been made for the payment from said revenues of the costs of operating and maintaining the Water System, pursuant to the provisions of Part III of Chapter 9 of the Revised Statutes of Louisiana, as amended, and other constitutional and statutory authority (the "Act"); and

WHEREAS, the Sewerage and Water Board has heretofore adopted a General Water Revenue Bond Resolution on May 21, 2014 (the "General Bond Resolution"), authorizing the issuance from time to time of Water Revenue Bonds of the City; and

WHEREAS, all Water Revenue Bonds of the City are administered by the Board of Liquidation, City Debt (the "Board of Liquidation"); and

WHEREAS, currently the City has outstanding (i) Water Revenue and Refunding Bonds, Series 2014, and (ii) Water Revenue Refunding Bonds, Series 2015 (collectively, the "Outstanding Bonds"); and

WHEREAS, in order to provide debt service savings and relief, the Sewerage and Water Board desires to refund all or a portion of the Outstanding Bonds (such refunded maturities referred to herein collectively as the "Refunded Bonds"), pursuant to the provisions of the Act, through the issuance of its Water Revenue Refunding Bonds (the "Water Revenue Refunding Bonds"); and

WHEREAS, the Sewerage and Water Board desires to authorize the issuance of Water Revenue Refunding Bonds to refund the Refunded Bonds and; and

NOW, THEREFORE, BE IT RESOLVED by the Sewerage and Water Board of New Orleans, as follows:

SECTION 1. **Preliminary Approval of Water Revenue Refunding Bonds.** Pursuant to the provisions of the Act, preliminary approval is given to the issuance of not exceeding Two Hundred Million Dollars (\$200,000,000) of Water Revenue Refunding Bonds of the City of New Orleans, Louisiana, to be issued for the purpose of refunding the Refunded Bonds, funding reserves, and paying costs of issuance,

including insurance, if necessary, is hereby approved. The Water Revenue Refunding Bonds shall bear interest at a rate or rates not to exceed six percent (6%) per annum, to be determined by subsequent resolution of the Board of Liquidation at the time of the sale of the Water Revenue Refunding Bonds, and shall mature not later than December 1, 2045. The Water Revenue Refunding Bonds shall be issued in fully registered form and shall have such additional terms and provisions as may be determined by the Sewerage and Water Board and the Board of Liquidation at the time of issuance and sale of the Water Revenue Refunding Bonds. The Water Revenue Refunding Bonds will be secured by the pledge of revenues derived from water rates for purposes relating to the water system of the City, after provision has been made for the payment from said revenues of the costs of operating and maintaining the water system, all as more fully provided in the Act and the General Bond Resolution. The Water Revenue Refunding Bonds shall be issued on a parity with the unrefunded Outstanding Bonds, if any.

SECTION 2. **State Bond Commission.** Application is hereby made to the State Bond Commission, Baton Rouge, Louisiana, for approval of the issuance and sale of the Water Revenue Refunding Bonds, and co-bond counsel are directed to make application to the State Bond Commission in accordance with the foregoing on behalf of the Sewerage and Water Board.

By virtue of the Sewerage and Water Board's application for, acceptance and utilization of the benefits of the State Bond Commission's approval requested herein, the Sewerage and water Board understands and agrees that such approval is expressly conditioned upon, and further understands, agrees and binds itself, its successors and assigns, to full and continuing compliance with the "State Bond Commission Policy on Approval of Proposed Use of Swaps, or other forms of Derivative Products, Hedges, Etc.," adopted by the Commission on July 20, 2006, as to the borrowing and other matters subject to the approval, including subsequent application and approval under said Policy of the implementation or use of any swaps or other products or enhancements covered thereby.

SECTION 3. **Request for Approval.** A certified copy of this resolution shall be furnished to the Council of the City and the Board of Liquidation. The Sewerage and Water Board hereby requests that the Council of the City and the Board of Liquidation approve this resolution and any other resolutions of the

Sewerage and Water Board providing for the issuance of the Water Revenue Refunding Bonds, if required by law.

SECTION 4. **Authorization.** The President and the Executive Director of the Sewerage and Water Board be and they are hereby authorized and directed to take all further action as may be necessary and appropriate to effectuate and implement this Resolution.

This resolution having been submitted to a vote, the vote thereon was as follows:

<u>Member</u>	<u>Yea</u>	<u>Nay</u>	<u>Absent</u>	<u>Abstaining</u>
Jay H. Banks	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Robin Barnes	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Tamika Duplessis, Ph. D	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Alejandra Guzman	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Janet Howard	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Ralph Johnson	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Joseph Peychaud	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Lynes R. "Poco" Sloss	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Maurice G. Sholas	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Mayor LaToya Cantrell	<u> </u>	<u> </u>	<u> </u>	<u> </u>

And the resolution was declared adopted on this 18th day of November, 2020.

STATE OF LOUISIANA

PARISH OF ORLEANS

I, the undersigned Executive Director of the Sewerage and Water Board of New Orleans (the "Sewerage and Water Board"), do hereby certify that the foregoing pages constitute a true and correct copy of a resolution adopted by the Sewerage and Water Board on November 18, 2020, giving preliminary approval to the issuance of not exceeding Two Hundred Million Dollars (\$200,000,000) of Water Revenue Refunding Bonds of the City of New Orleans, Louisiana; making application to the State Bond Commission for approval of said bonds; authorizing the reimbursement of expenditures from proceeds of any such bonds; and providing for other matters in connection therewith.

IN FAITH WHEREOF, witness my official signature on this, the 18th day of November, 2020.

Executive Director of the Sewerage
and Water Board of New Orleans

**GENERAL SUPERINTENDENT RECOMMENDATIONS
FOR THE NOVEMBER 11, 2020
FINANCE AND ADMINISTRATION COMMITTEE MEETING**

A listing of the bids, change orders, amendments and final acceptances received during the month of October is included in the following report. A brief summary is attached for your review.

BIDS AND RENEWALS (1)

Page 4 R-119-2020	Ratification of Award of Emergency Contract 6266 – Turbine 5 Controls System Upgrade
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CHANGE ORDERS (4)

Page 9 R-122-2020	Ratification of Change Order No. 1 of Contract 1370A – 60Hz Transformers and Switchgear
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Page 12 R-127-2020	Ratification of Change Order 1 for Contract 30218 – Restoration of Gravity Flow Sanitary Sewer Mains by Point Repair at Various Sites throughout Orleans Parish
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Page 15 R-128-2020	Ratification of Change Order 2 for Contract 1404 – Algiers Water Purification Plant Improvements Project
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Page 19 R-125-2020	Ratification of Change Order 1 of Contract EE20-0004 – 2020 Installation of Feeder CFC2 from the Plant Frequency Changer Building to Carrollton Frequency Changer Building Associated with the Extreme Emergency Declaration of Turbine 5
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CONTRACT AMENDMENTS (5)

Page 24 R-124-2020	Authorization of Amendment No. 9 to the Agreement Between the Sewerage and Water Board of New Orleans and CH2M Hill Engineers, Inc. for the Program Management and Design and Engineering Services for the Retrofit Power Plant Hazard Mitigation Grant Project
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Page 29 R-108-2020	Authorization of Amendment No. 5 to the Agreement Between the Sewerage and Water Board of New Orleans and Digital Engineering & Imaging, Inc., for Design and Engineering Services for the Waterline Replacement Program
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Page 34 R-109-2020	Authorization of Amendment No. 6 to the Agreement Between the Sewerage and Water Board of New Orleans and Linfield, Hunter, &
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Junius, Inc., for Design and Engineering Services for the Waterline Replacement Program

Page 39 R-126-2020 Authorization of Amendment No. 6 to the Agreement Between the Sewerage and Water Board of New Orleans and Rahman and Associates, Inc., for Design and Engineering Services for the Waterline Replacement Program

Page 44 R-130-2020 Authorization of Amendment No. 7 to the Agreement Between the Sewerage and Water Board of New Orleans and MWH Americas, Inc. (predecessor in interest to Stantec Consulting Services, Inc., for Design and Engineering Services for the Waterline Replacement Program

FINAL ACCEPTANCES (1)

Page 51 R-129-2020 Final Acceptance of Contract EE20-0004 – 2020 Installation of Feeder CFC2 from the Plant Frequency Changer Building to Carrollton Frequency Changer Building Associated with the Extreme Emergency Declaration of Turbine 5

GENERAL SUPERINTENDENT'S RECOMMENDATIONS

BIDS AND RENEWALS

Ratification of Award of Emergency Contract 6266 – Turbine 5 Controls System Upgrade

WHEREAS, on December 14, 2019, there was an explosion at the CWP, involving Turbine No. 5 (T5) in particular (the “Incident”); and

WHEREAS, pursuant to the Board’s February 6, 2020 Declaration of Emergency, the Board began to undertake investigation into the cause, results, impacts, and possible repair or replacement of T5, and reached the decision that repair was feasible and should be undertaken as part of the extreme emergency response in order for T5 to provide power and/or redundancy for the 2021 hurricane season; and

WHEREAS, following the Incident and the decision to repair T5 in time for the 2021 hurricane season, SWB staff met with its existing technical consultants to determine the most efficient and effective options for making the needed repairs to T5 including upgrade of operating systems controls, including reference to proposals submitted in response to the 2014 solicitation and consideration of separate purchase of parts and equipment to be installed by SWB personnel, or a turnkey solution in which the controls company would be managing all aspects of this work; and

WHEREAS, several types of controls systems were evaluated for quality as well as cost, taking into consideration the need for experience with gas turbine controls systems, the imperative for a proven, well-established system in the industry, and the requirement of 24/7 availability of personnel to diagnose issues or to travel for site work; and

WHEREAS, the original manufacturer of the equipment was deemed to have the best knowledge of both construction and operation of T5, and GE controls division had been divested as Baker Hughes Company, best suited for this work due to the critical nature of the equipment’s availability, expertise and familiarity with the equipment, warranty and service package; and

WHEREAS, SWB asked Baker Hughes to submit a proposal, Baker and SWB have agreed upon the specifics of the services and equipment and other items to be provided by Baker through its affiliate Nexus.

NOW, BE IT RESOLVED by the Sewerage and Water Board of New Orleans that a proposal to perform and provide the professional and other services and new parts, materials, components and other goods as necessary for the turnkey replacement and upgrade to Turbine 5 controls system. The proposal was hereby accepted, and contract awarded therefore to **Nexus Controls, LLC**, in the total amount of **\$1,514,055.00**

I, Ghassan Korban, Executive Director,
Sewerage and Water Board of New Orleans,
do hereby certify that the above and foregoing
is a true and correct copy of a resolution adopted
at the Regular Meeting of said Board,
duly called and held, according to law, on
November 18, 2020.

Ghassan Korban ,
EXECUTIVE DIRECTOR
SEWERAGE AND WATER BOARD OF NEW
ORLEANS

**Sewerage and Water Board of New Orleans
BOARD OF DIRECTORS CONTRACTOR FACT SHEET**



ACTION REQUESTED

**CONTRACT AWARD (RATIFICATION)
Emergency Contract 6266 - Turbine 5 Controls Upgrade**

Approval to award Contract 6266, between the Sewerage and Water Board and Nexus Controls, LLC, in the amount of \$1,458,620.00

CONTRACTOR/SUB/VENDOR INFORMATION

		DBE PARTICIPATION	
PRIME	SUBS	TARGET	
<i>Nexus Controls, LLC</i>	<i>General Electric Co. TBD</i>	0.00%	
		10.00%	
Total		10.00%	

DESCRIPTION AND PURPOSE

Original Contract Value	\$1,458,620.00
<i>Has a NTP been Issued</i>	<i>No</i>
Total Revised Contract Value	\$1,458,620.00
Original Contract Completion Date	5/25/2021
Proposed Contract Completion Date	5/25/2021

Purpose and Scope of the Contract:

Following the Turbine 5 incident occurring December 2019, it was recommended by the Engineering Dept. to upgrade the existing gas turbine hydraulic mechanical control system with a modern electric controls system. The scope of work includes 1)engineering services to design and integrate modern controls system, and 2)furnish and 3)installation of all equipment associated for the controls retrofit. This contract was procured under the Turbine 5 Explosion Emergency Declaration.

Spending to Date:

Cumulative Contract Amount (as of 10/1/2020)	\$0.00
Cumulative Contract Spending (as of 10/1/2020)	\$0.00

Contractor's Past Performance:

N/A

PROCUREMENT INFORMATION

Contract Type	Fixed Price Proposal	Award Based On	Emergency
Commodity	Public Works Construction	Contract Number	6266

Contractor Market	Emergency Procurement with DBE participation
Compliance with Procurement Laws?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

BUDGET INFORMATION

Funding		Department	Mechanical Engineering
System		Project Manager	Mary Dubourg
Job Number		Purchase Order #	TBD

ESTIMATED FUND SOURCE

User	Share%	Dollar Amount	Reimbursible?
Sewer System			
Water System			
Drainage System		\$ 1,458,620.00	
TOTAL		\$ 1,458,620.00	

I certify that this contract action complies with all Sewerage and Water Board procurement policies and guidance, ethics rules and meets necessary regulatory requirements, including compliance with financing sources.

Thomas Moore III
Senior Engineer
Mechanical Engineering

GENERAL SUPERINTENDENT'S RECOMMENDATIONS

CHANGE ORDERS

RATIFICATION OF CHANGE ORDER NO. 1 OF CONTRACT #1370A – 60HZ TRANSFORMERS AND SWITCHGEAR.

WHEREAS, on April 22, 2020 the Sewerage and Water Board (S&WB) entered into Contract 1370A with Walter J. Barnes Electric Co, Inc. in the amount of \$11,890,364.45 for 60Hz Transformers and Switchgear; and,

WHEREAS, this change order addresses the installation and removal of temporary sheet piles, to protect a 10in, 200psi natural gas line, closure and purging of the gas line to remove any residual combustible gases located at Carrollton Water Purification Plant, and

WHEREAS, this Change Order, in the amount of \$89,435.80, brings the accumulated Contract change order total to \$89,435.80, or 0.75% of the original Contract value, and

NOW THEREFORE BE IT RESOLVED, the approval of Change Order No. 1 for Contract 1370A is ratified by the Sewerage and Water Board of New Orleans.

I, Ghassan Korban, Executive Director,
Sewerage and Water Board of New Orleans,
do hereby certify that the above and foregoing
is a true and correct copy of a resolution adopted
at the Regular Meeting of said Board,
duly called and held, according to law, on
November 18, 2020.

Ghassan Korban,
EXECUTIVE DIRECTOR
SEWERAGE AND WATER BOARD OF NEW ORLEANS

**Sewerage and Water Board of New Orleans
BOARD OF DIRECTORS CONTRACTOR FACT SHEET**



ACTION REQUESTED

**CONTRACT CHANGE ORDER #1
Contract 1370A - 60Hz Transformers and Switchgear**

Approval to modify Contract #1370A between the Sewerage and Water Board and Walter J. Barnes Electric Co. Inc. in the amount of \$89,435.80.

CONTRACTOR/SUB/VENDOR INFORMATION

		DBE PARTICIPATION	
PRIME	SUBS	TARGET	ACTUAL
<i>Walter J. Barnes Electric Co. Inc.</i>	<i>C. Watson Group</i>	14.47%	0.00%
	<i>Balthazar Electriks</i>	3.58%	0.00%
	<i>Carter Electric Supply</i>	7.02%	5.38%
Total		25.07%	5.38%

DESCRIPTION AND PURPOSE

Original Contract Value	\$11,890,364.45
Previous Change Orders	\$0.00
% Change of Contract To Date	0.0%
Value of Requested Change	\$89,435.80
% For This Change Order	0.8%
<i>Has a NTP been Issued</i>	<i>Yes</i>
Total Revised Contract Value	\$11,979,800.25
% Total Change of Contract	0.8%
Original Contract Completion Date	8/8/2021
Previously Approved Extensions (Days)	0
Time Extension Requested (Days)	20
Proposed Contract Completion Date	8/28/2021

Purpose and Scope of the Contract:

The contemplated project consists of the installation of an elevated concrete platform that will support one large 4160V walk-in switchgear and two (2) 25MV transformers, rated at 60 Hertz that will support a number of electrical loads. Work is located at the Carrollton Water Purification Plant at 8800 S. Claiborne Avenue for the Sewerage and Water Board of New Orleans, Owner.

Reason for Change:

Error/Omission <input type="checkbox"/>	Differing Site Condition <input checked="" type="checkbox"/>	Regulatory Requirement <input type="checkbox"/>
Design Change <input type="checkbox"/>	Other <input type="checkbox"/>	

During construction, the contractor discovered a 10-inch, 200 p.s.i. natural gas line that was not shown on the drawings. The line will have to be purged to avoid the unsolicited release of combustible gases and to keep the project on schedule. The depth of the gas line was only 10 inches below grade and will be dangerously within close proximity to the required steel sheet piles that are to be installed. Since the soil condition is unstable, the gas line will have to be properly supported during the construction of the electrical underground duct bank.

Spending to Date:

Cumulative Contract Amount (as of 10/19/2020)	\$11,890,364.45
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Cumulative Contract Spending (as of 10/19/2020)

\$363,945.00

Contractor's Past Performance:

The contractor's timeliness of deliverables, conformance to SWBNO policies and procedures, quality meet expectations.

PROCUREMENT INFORMATION

Contract Type	Base Bid	Award Based On	Lowest Competitive Bid
Commodity	Public Works Construction	Contract Number	1370A
Contractor Market	Public Bid with DBE participation		
Compliance with Procurement Laws?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	CMRC Date (if nec.):	8/6/2020

BUDGET INFORMATION

Funding	CP 676-05, CP 676-06	Department	ELECTRICAL ENGR.
System	Sewer, Water, Drainage	Project Manager	CELSO ANTUNEZ, EI
Job Number	01370FEM	Purchase Order #	6000064 PG2020

ESTIMATED FUND SOURCE

User	Share%	Dollar Amount	Reimbursible?
Sewer System	13%	\$ 11,626.66	YES
Water System	34%	\$ 30,408.17	YES
Drainage System	53%	\$ 47,400.97	YES
TOTAL		\$ 89,435.80	

I certify that this contract action complies with all Sewerage and Water Board procurement policies and guidance, ethics rules and meets necessary regulatory requirements, including compliance with financing sources.

CELSO ANTUNEZ, EI
PROJECT MANAGER
ELECTRICAL ENGINEERING

**CHANGE ORDER NO. 1 FOR CONTRACT 30218 – Restoration of Gravity Flow
Sanitary Sewer Mains by Point Repair at Various Sites throughout Orleans Parish**

WHEREAS, the Sewerage and Water Board of New Orleans entered into Contract 30218 with Wallace C. Drennan Inc. on September 10, 2018 in the amount of \$3,977,043.00, (R-108-2018), of which only \$3,453,175.20 was spent; and

WHEREAS, Wallace C. Drennan, Inc. was awarded a one (1) year Contract Renewal No.1 on September 18, 2019 in the amount of \$3,977,043.00 (R-148-2019) bringing the total contract amount to \$7,430,218.20; and,

WHEREAS, Wallace C. Drennan, Inc. was awarded a one (1) year Contract Renewal No.2 on August 19, 2019 in the amount of \$3,977,043.00 (R-077-2019) bringing the total contract amount to \$11,407,261.20; and,

WHEREAS, this Change Order No. 1 will extend the contract duration by zero (0) days and bring the contract amount to \$12,407,261.20; and,

WHEREAS, this Change Order No. 1 in the amount of \$1,000,000.00 dollars represents 8.8% change in contract amount; and,

NOW THEREFORE BE IT RESOLVED, the approval of Change Order No. 1 for Contract 30218 is ratified by the Sewerage and water Board of New Orleans.

I, Ghassan Korban, Executive Director, Sewerage and Water Board of New Orleans, do hereby certify that the above and foregoing is a true and correct copy of a resolution adopted at the Regular Meeting of the said Board, duly called and held, according to law, on November 18, 2020.

GHASSAN KORBAN, EXECUTIVE DIRECTOR
SEWERAGE AND WATER BOARD OF NEW ORLEANS

**Sewerage and Water Board of New Orleans
BOARD OF DIRECTORS CONTRACTOR FACT SHEET**



ACTION REQUESTED

CONTRACT CHANGE ORDER No. 1

CONTRACT 30218 Restoration of Gravity Flow Sanitary Sewer Mains by Point Repair at Various Sites Throughtout Orleans Parish
Approval to modify contract 30218, between the Sewerage and Water Board and Wallace C. Drennan, in the amount of \$1,000,000.00

CONTRACTOR/SUB/VENDOR INFORMATION

		DBE PARTICIPATION	
PRIME	SUBS	TARGET	ACTUAL
<i>Wallace C. Drennan</i>	<i>Prince Dump Truck Services</i>	8.80%	8.03%
	<i>Choice Supply Solutions, LLC</i>	4.44%	4.42%
	<i>C & M Construction Group</i>	23.08%	30.35%
Total		36.32%	42.80%

DESCRIPTION AND PURPOSE

Original Contract Value	\$11,407,261.20
Previous Change Orders	\$0.00
% Change of Contract To Date	0.0%
Value of Requested Change	\$1,000,000.00
% For This Change Order	8.8%
<i>Has a NTP been Issued</i>	<i>Yes</i>
Total Revised Contract Value	\$12,407,261.20
% Total Change of Contract	8.8%
Original Contract Completion Date	9/18/2021
Previously Approved Extensions (Days)	0
Time Extension Requested (Days)	0
Proposed Contract Completion Date	9/18/2021

Purpose and Scope of the Contract:

This is an Operations and Maintenance sewer contract. The purpose of this contract is to make repairs to sewer main lines, sewer house connections, sewer force mains, and sewer manholes throughtout Orleans Parish, in order to continue to maintain sewer system integrity throughout the Parish.

Reason for Change:

Error/Omission <input type="checkbox"/>	Differing Site Condition <input type="checkbox"/>	Regulatory Requirement <input type="checkbox"/>
Design Change <input type="checkbox"/>	Other <input checked="" type="checkbox"/>	

The reason for this change order is to add funds to the contract relating to unforeseen expenses associated with Hurricane Zeta power outages to sewer pump stations throughout the city. Sewer hauling trucks and diesel pumps were provided to about 36 pump stations to maintain sewer levels.

Spending to Date:

Cumulative Contract Amount (as of 11/02/2020)	\$11,407,261.20
Cumulative Contract Spending (as of 11/02/2020)	\$6,700,415.27

Contractor's Past Performance:

Contractor's Performance has been satisfactory to date.

PROCUREMENT INFORMATION

Contract Type	Base Bid	Award Based On	Lowest Competitive Bid
Commodity	Public Works Construction	Contract Number	30218
Contractor Market	Public Bid with DBE participation		
Compliance with Procurement Laws?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	CMRC Date (if nec.) :	11/5/2020

BUDGET INFORMATION

Funding	O & M 6621/4408	Department	Networks
System	Sewer	Project Manager	Ashraf Abdelbaqi
Job Number	30218	Purchase Order #	6000005 PG2019

ESTIMATED FUND SOURCE

User	Share%	Dollar Amount	Reimbursible?
Sewer System	100%	\$ 1,000,000.00	YES
Water System			
Drainage System			
TOTAL		\$ 1,000,000.00	

I certify that this contract action complies with all Sewerage and Water Board procurement policies and guidance, ethics rules and meets necessary regulatory requirements, including compliance with financing sources.

Fred Tharp, P.E.
Chief of Networks
Networks Department

RATIFICATION OF CHANGE ORDER NO. 2&3 FOR CONTRACT 1404 – Algiers Water Purification Plant Improvements Project

WHEREAS, the Sewerage and Water Board entered into Contract 1404 with Max Foote Construction, Inc. in the amount of \$7,240,000.00 for repairs and improvements to Algiers Water Plant purification process; and,

WHEREAS, Change Order 1 represents three (3) work items, Field Change Orders 1, 2, and 3. These changes include line-stops, soil and concrete testing, one (1) 24” raw water butterfly valve; and,

WHEREAS, Change Order 1, in the amount of \$221,016.92, brings the accumulated Contract change order total to \$221,016.92, or 3.05% of the original Contract value, and,

WHEREAS, Change Order No. 1 for Contract 1404 was approved by the Sewerage and Water Board of New Orleans, and,

WHEREAS, this change order (Change Order 2) represents (7) seven work items, Field Change Orders 4, 5, 6, 7, 8, 9, and 10. These changes include moving an underground duct bank, additional cable paths, fiber, cable panels, and updated hypochlorite pumping system, and,

WHEREAS, this change order, in the amount of \$263,889.16, brings the accumulated contract change order total to \$484,906.08, 6.7% of the original contract value, and,

NOW THEREFORE BE IT RESOLVED, Change Order No. 2 for Contract 1404 is approved and ratified by the Sewerage and Water Board of New Orleans.

I, Ghassan Korban, Executive Director,
Sewerage and Water Board of New Orleans,
do hereby certify that the above and foregoing
is a true and correct copy of a resolution adopted
at the Regular Meeting of said Board,
duly called and held, according to law, on
November 18, 2020.

Ghassan Korban,
EXECUTIVE DIRECTOR
SEWERAGE AND WATER BOARD OF NEW ORLEANS

**Sewerage and Water Board of New Orleans
BOARD OF DIRECTORS CONTRACTOR FACT SHEET**



ACTION REQUESTED

CONTRACT CHANGE ORDER

Contract 1404 Algiers Water Purification Plant Improvements

Approval to modify contract 1404, between the Sewerage and Water Board and Max Foote Construction Co. LLC, in the amount of \$263,889.16

CONTRACTOR/SUB/VENDOR INFORMATION

		DBE PARTICIPATION	
PRIME	SUBS	TARGET	ACTUAL
<i>Max Foote Construction, LLC</i>	<i>Chester Electric</i>	5.10%	5.10%
	<i>Lacy and Company</i>	6.70%	6.60%
	<i>Larry McCorkle Rebar</i>	0.90%	0.30%
	<i>Mitchell Contracting</i>	24.30%	21.60%
	<i>Baum Environmental</i>	0.10%	0.10%
	<i>Pete's Disposal</i>	0.40%	0.40%
	<i>DeLeon and Sons Masonry</i>	0.68%	0.66%
Total		38.18%	34.76%

DESCRIPTION AND PURPOSE

Original Contract Value	\$7,240,000.00
Previous Change Orders	\$221,016.92
% Change of Contract To Date	3.1%
Value of Requested Change	\$263,889.16
% For This Change Order	3.6%
<i>Has a NTP been Issued</i>	<i>Yes</i>
Total Revised Contract Value	\$7,724,906.08
% Total Change of Contract	6.7%
Original Contract Completion Date	1/22/2020
Previously Approved Extensions (Days)	0
Time Extension Requested (Days)	56
Proposed Contract Completion Date	3/18/2020

Purpose and Scope of the Contract:

The Original SOW for The Algiers Water Plant consists of replacing clarifier 1 and performing routine maintenance on clarifiers 2 and 4 and preparing clarifier 3 for service. Additional goals include updating chemical storage and feed, finished and raw water feed, and implementing SCADA compatibility within the purification process.

Reason for Change:

Error/Omission	Differing Site Condition	Regulatory Requirement
Design Change	Other _____	

FCO 4- This change is being submitted due to unforeseen existing conditions encountered near clarifier 1 wall. Underground ductbank and thrust block location did not coincide with as-builts. Max Foote replaced the thrust block, demoed the ductbank, and ran temporary cable to maintain plant lights and intercom.

\$38,272.00/14 days

FCO 5- This change is being submitted for the following:

To create fiber route between 2 pull boxes within the filter gallery that was assumed to exist during design.

To demo existing unnecessary Bailey Control cables to provide room for new cables.

To create an omitted fiber link between control panels.

\$34,900.18/14 days.

FCO 6- This change is needed to demo the existing baileys cabinets and prepare the floor to provide space for the new control panel and to add a 48-strand fiber cable that was not specified in the design. This change is necessary to complete the required SCADA design.

\$31,891.80/14 days.

FCO 7- This change is being submitted because the existing drain pump control panel for clarifier 1 was assumed to be compatible with the new system in design, but needs to be replaced.

A fiber rout needs to be added to feed the control panel.

A power feed is not supplied for power center #3. Routing is required.

\$26,279.19/0 days

FCO 8- This change is being submitted for the following:

A ductbank was oriented in the pile driving path for Clarifier 1. Drawings show the ductbank outside of the construction area. The proposal is for T&M to move the ductbank and cables.

\$59,573.37/0 days

FCO 9- This change is needed to add a fiber patch panel in the chemical building. This change also implements replacement of the existing patch panel in the filter gallery.

\$30,350.21/14 Days

Spending to Date:

Cumulative Contract Amount (as of 10/26/2020)	\$7,461,016.92
Cumulative Contract Spending (as of 10/26/2020)	\$7,048,406.34

Contractor's Past Performance:

Although there have been unforeseen site conditions that have proven to be difficult obstacles; the contractor's timeliness of deliverables, conformance to SWBNO policies and procedures, and quality meet expectations. To date the contractor has not achieved a DBE participation rate of 35% but is on target path.

PROCUREMENT INFORMATION

Contract Type	Base Bid	Award Based On	Lowest Competitive Bid
Commodity	Public Works Construction	Contract Number	1404
Contractor Market	Public Bid with DBE participation		
Compliance with Procurement Laws?	Yes	No	CMRC Date (if nec.) : 11/5/2020

BUDGET INFORMATION

Funding	Capital 157-02	Department	Mechanical Engineering
System	Water	Project Manager	David Hingle
Job Number	1404	Purchase Order #	PG20206000060

ESTIMATED FUND SOURCE

User	Share%	Dollar Amount	Reimbursible?
Sewer System			

Water System	100%	\$263,889.16	No
Drainage System			
TOTAL		\$ 263,889.16	

I certify that this contract action complies with all Sewerage and Water Board procurement policies and guidance, ethics rules and meets necessary regulatory requirements, including compliance with financing sources.

David Hingle, PE
Mechanical Engineer
Mechanical Engineering

**RATIFICATION OF CHANGE ORDER NO. 1 OF CONTRACT #EE20-0004 – 2020
INSTALLATION OF FEEDER CFC2 FROM THE PLANT FREQUENCY CHANGER
BLDG. TO CARROLLTON FREQUENCY CHANGER BLDG, ASSOCIATED WITH
THE EXTREME EMERGENCY DECLARATION OF TURBINE 5.**

WHEREAS, on May 8, 2020 the Sewerage and Water Board entered into Contract EE20-0004 with Walter J. Barnes Electric Co., Inc in the amount of \$476,488.35 for 2020 Installation of Feeder CFC2 From the Plant Frequency Changer Bldg. to Carrollton Frequency Changer Bldg.; and,

WHEREAS, this change order addresses differing site conditions, omission of required feeder 402 work and reconnection of Hamilton Feeder during Hurricane Laura at PFC and,

WHEREAS, this Change Order, in the accumulated amount of \$64,288.00, brings the Contract change order total \$64,288.00, or 13.49 percent of the original Contract value and,

NOW THEREFORE BE IT RESOLVED, the approval of Change Order No. 1 for Contract EE20-0004 is ratified by the Sewerage and Water Board of New Orleans.

I, Ghassan Korban, Executive Director,
Sewerage and Water Board of New Orleans,
do hereby certify that the above and foregoing
is a true and correct copy of a resolution adopted
at the Regular Meeting of said Board,
duly called and held, according to law, on
November 18, 2020.

Ghassan Korban,
EXECUTIVE DIRECTOR
SEWERAGE AND WATER BOARD OF NEW ORLEANS

**Sewerage and Water Board of New Orleans
BOARD OF DIRECTORS CONTRACTOR FACT SHEET**



ACTION REQUESTED

CONTRACT CHANGE ORDER #1

CONTRACT #EE20-0004 – 2020 Installation of Feeders CFC2 from the Plant Frequency Changer Building to Carrollton Frequency Changer Building, associated with the extreme emergency declaration of Turbine 5.

Authorization to modify the Purchase Order #PG2020 – 6000089 by \$64,288.00, thereby increasing the current balance to \$85,188.00

CONTRACTOR/SUB/VENDOR INFORMATION

		DBE PARTICIPATION	
PRIME	SUBS	TARGET	ACTUAL
Walter J. Barnes Electric Co. Inc.	none	n/a	n/a
Total		0.00%	0.00%

DESCRIPTION AND PURPOSE

Original Contract Value	\$476,488.35
Previous Change Orders	\$0.00
% Change of Contract To Date	0.0%
Value of Requested Change	\$64,288.00
% For This Change Order	13.5%
Has a NTP been Issued	Yes
Total Revised Contract Value	\$540,776.35
% Total Change of Contract	13.5%
Original Contract Completion Date	7/15/2020
Previously Approved Extensions (Days)	0
Time Extension Requested (Days)	38
Proposed Contract Completion Date	8/22/2020

Purpose and Scope of the Contract:

This project is in direct association with the extreme emergency declaration of Turbine 5. After the failure of Turbine 5 (T5) last year, there were many emergency projects issued that were created in order to beef up the existing electrical power infrastructure. This project in particular, expedites the physical electrical tie between the Plant Frequency Changer (PFC) and the Carrollton Frequency Changer 60hz switchgears. Engineering and Operations determined that the existing Hamilton feeder cable at PFC be temporarily disconnected for the purpose of creating a spare breaker to connect the new CFC cables onto the PFC switchgear. The other end of the cable will be electrically connected onto the Carrollton Frequency Changer switchgear available spare breaker. By completing this project, the Board will be able to transmit into our electrical grid approximately 6MW of 25Hz power through Frequency Changer #1, via Turbine 6.

Reason for Change:

Error/Omission <input checked="" type="checkbox"/>	Differing Site Condition <input checked="" type="checkbox"/>	Regulatory Requirement <input type="checkbox"/>
Design Change <input type="checkbox"/>	Other <input type="checkbox"/>	

Change Order #1 is composed of five (5) individual field changes that are compressed together into one total cost.

First Field Change: The Claiborne Ave. roadway was modified near Eagle Street, which consequently limited the contractor's ability to safely perform work within the electrical manhole on Eagle Street during regular work week hours. Total cost for this Field Change was \$ 17,550.00

Second Field Change: This field change is for the installation of cable tags which were already included in the below third field change. Under this contract, the Board would provide cable tags that were labeled CFC2. It was later determined by Operations and Engineering that the labels to be installed by the Contractor be labeled instead as CFC-1A to prevent confusion in the field. Total cost for this Field Change was \$ 640.00

Third Field Change: Back in 2018, feeder 402 failed near Earhart Blvd. In order to repair feeder 402, an excavation permit was required for exposing and repairing the cable damages. Since the permit process would require an extended time frame, the Board elected to perform an expedited temporary fix in the field that cut down the reconnection time significantly. About a month after the commencement of this project, Engineering determined that the temporary electrical connection performed two years ago had to be reversed prior to the installation of new feeder CFC2. This field change includes cable installation, splices and replacement of cable tags. Total cost for this Field Change was \$ 20,450.00

Fourth Field Change: On August 21st, the Board could not successfully run the 2000KW backup generator that was electrically connected at Hamilton Substation. One day prior, the machine ran with no issues. Meanwhile, Hurricane Laura was projected towards Louisiana within days. The Board determined that the Contractor disconnects feeder CFC2 at PFC and reconnect the Hamilton Feeder. Total cost for this Field Change was \$ 6,965.00

Fifth Field Change: This field change is for the additional cost relative to the overages per unit bid quantities during construction. Total cost for this Field Change was \$ 39,583.00

Spending to Date:

Cumulative Contract Amount (as of 10/19/2020)	\$476,488.35
Cumulative Contract Spending (as of 10/19/2020)	\$455,588.34

Contractor's Past Performance:

The contractor's timeliness of deliverables, conformance to SWBNO policies and procedures, quality meet expectations.

PROCUREMENT INFORMATION

Contract Type	Base Bid	Award Based On	Lowest Competitive Bid
Commodity	Public Works Construction	Contract Number	EE20-0004
Contractor Market	Public Bid with DBE participation		
Compliance with Procurement Laws?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	CMRC Date (if nec.):

BUDGET INFORMATION

Funding	CP 676	Department	ELECTRICAL ENGR.
System	Sewer, Water, Drainage	Project Manager	CELSO ANTUNEZ, EI
Job Number	F0484	Purchase Order #	6000089 PG2020

ESTIMATED FUND SOURCE

User	Share%	Dollar Amount	Reimbursible?
Sewer System	40%	\$ 25,715.20	NO
Water System	40%	\$ 25,715.20	NO
Drainage System	20%	\$ 12,857.60	NO
TOTAL		\$ 64,288.00	

I certify that this contract action complies with all Sewerage and Water Board procurement policies and guidance, ethics rules and meets necessary regulatory requirements, including compliance with financing sources.

CELSO ANTUNEZ, EI
PROJECT MANAGER
ELECTRICAL ENGINEERING

GENERAL SUPERINTENDENT'S RECOMMENDATIONS

CONTRACT AMENDMENTS

**CONTRACT AMENDMENT NO. 9 TO THE AGREEMENT BETWEEN THE
SEWERAGE AND WATER BOARD OF NEW ORLEANS AND CH2M HILL
ENGINEERS, INC FOR PROGRAM MANAGEMENT AND DESIGN AND
ENGINEERING SERVICES FOR THE RETROFIT POWER PLANT HAZARD
MITIGATION GRANT PROJECT**

WHEREAS, by action of the Board through the adoption of Resolution R-012-2013, Consultant was awarded the agreement for design and engineering services for the Retrofit Power Plant Hazard Mitigation Project at the Carrollton Water Treatment Plant, the Oak Street Raw Water Intake and Pump Station and the Board's power network on the East Bank of the city of New Orleans; and

WHEREAS, by action of the Board through the adoption of Resolution R-118-2014, the existing agreement with Consultant was increased to \$16,438,004; and

WHEREAS, by action of the Board through the adoption of Resolution R-029-2015, the existing agreement with Consultant was increased to \$17,516,243; and

WHEREAS, by action of the Board through the adoption of Resolution R-112-2015, the existing agreement with Consultant was increased to \$22,486,308; and

WHEREAS, by action of the Board through the adoption of Resolution R-014-2017, the existing agreement with Consultant was increased to \$28,385,244; and

WHEREAS, by action of the Board through the adoption of Resolution R-051-2018, the existing agreement with Consultant was increased to \$35,182,231.00; and

WHEREAS, by action of the Board through the adoption of Resolution R-178-2018, the existing agreement with Consultant was increased to \$36,682,216; and

WHEREAS, by action of the Board through the adoption of Resolution R-043-2019, the existing agreement with Consultant was increased to \$41,405,359; and

WHEREAS, by action of the Board through the adoption of Resolution R-043-2019, the existing agreement with Consultant was extended to December 31, 2020; and

WHEREAS, by action of the Board through the adoption of Resolution R-202-2019, the existing agreement with Consultant was increased to \$43,452,081; and

NOW THEREFORE BE IT RESOLVED, that the President and/or President Pro Tem shall be authorized to execute the amendment to this agreement with CH2M HILL Engineers, Inc., a wholly owned subsidiary of Jacobs Engineering Group (Jacobs) increasing the fee authorized to be paid to Jacobs by \$1,772,484 with a contract total of \$45,224,565, and extending the contract duration to December 31, 2021.

I, Ghassan Korban, Executive Director,
Sewerage and Water Board of New Orleans, do hereby

certify that the above and foregoing is a true
and correct copy of a Resolution adopted at the Regular
Monthly Meeting of said Board, duly called and held,
according to law, on November 18, 2020.

GHASSAN KORBAN, EXECUTIVE DIRECTOR
SEWERAGE AND WATER BOARD OF NEW ORLEANS

Sewerage and Water Board of New Orleans
BOARD OF DIRECTORS CONTRACTOR FACT SHEET



ACTION REQUESTED

AMENDMENT #9

RETROFIT POWER PLANT HAZARD MITIGATION GRANT PROGRAM PROJECT

Request authorization for Amendment No. 9 to the agreement between SWBNO and CH2M Hill Engineers, Inc increasing the fee by \$1,772,484.00.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	DBE PARTICIPATION:	
		Target	Actual
CH2M Hill Engineers, Inc.	Trigon Associates	23%	11.73%
	ILSI	12%	8.56%
	Beta Group	0%	0.02%
	J. D. Russell Consulting	0%	0.05%
	Dale Stockstill	0%	0.11%
	Batture LLC	0%	0.05%

DESCRIPTION AND PURPOSE

Original Contract Value:	\$12,497,750.00
Previous Amendments 1 – 8:	\$30,954,815.00
% Change of Contract:	248%
Value of Requested Change:	\$1,772,484.00
% Change of Contract:	14.2%
Has an NTP been issued	Yes
Total Revised Contract Value:	\$45,224,565.00
% Change of Contract to Date:	362%
Original Contract Completion Date:	Upon completion of authorized HMGP Projects
Time Extension requested:	Extended through December 2021

Proposed Contract Completion Date: December 2021

Purpose and Scope of the Contract:

Qualified engineering consultant providing design, design build procurement support and engineering services for the Retrofit Power Plant Hazard Mitigation Project at the Carrollton Water Treatment Plant, the Oak Street Raw Water Intake and Pumping Station and the Board's power network on the East Bank of the City of New Orleans.

Reason for Change

Design error/Omission <input type="checkbox"/>	Differing Site condition <input type="checkbox"/>	Regulatory Requirement <input type="checkbox"/>	Design Change <input type="checkbox"/>	Other <input checked="" type="checkbox"/>
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Continued engineering support on the HMGP Power Plant Retrofit Program through scheduled completion in 2021. Services include Program Management, Design Engineering Services, Construction Supervision, Inspection Services.

Spending to date:

Cumulative Contract Value (as of 11/1/2020): \$43,452,081.00
Cumulative Contract Spending (as of 11/1/2020): \$43,045,158.06

Contractor's Past Performance:

The engineer's timeliness of deliverables, conformance to SWBNO policies and procedures, quality meet expectations. Total DBE participation to date is approximately 21%. DBE participation is forecasted to be 24%.

PROCUREMENT INFORMATION

Contract Type:	RFQ/RFPs	Award Based On:	Best Value
Commodity:	Professional Services	Contract Number:	N/A
Contractor Market:	Open Market		
Compliance with procurement laws	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		

BUDGET INFORMATION

Funding:	Capital	Department:	7000
System:	Combined	Department Head:	M. Ron Spooner
Job Number:	F0469	Purchase Order #:	PG20196000197

ESTIMATED FUND SOURCE

User	Share%	Dollar Amount
Sewer System	13%	\$230,422.92
Water System	34%	\$602,644.56
Drainage System	53%	\$939,416.52
TOTAL ESTIMATED DOLLAR AMOUNT OF AMENDMENT		\$1,772,484.00

ESTIMATED FUND SOURCE

User	Share%	Dollar Amount
FEMA Reimbursable	87.7%	\$1,553,922.92
Sewer/Water/Drainage Systems	12.3%	\$218,561.08

I certify that this contract action complies with all Sewerage and Water Board procurement policies and guidance, ethics rules and meets necessary regulatory requirements, including compliance with financing sources,

 11/3/2020

M. Ron Spooner, P.E.
Chief of Engineering
Division of Engineering

AUTHORIZATION OF AMENDMENT NO. 5 TO THE AGREEMENT BETWEEN THE SEWERAGE AND WATER BOARD OF NEW ORLEANS AND DIGITAL ENGINEERING & IMAGING, INC. FOR DESIGN AND ENGINEERING SERVICES FOR THE WATER LINE REPLACEMENT PROGRAM

WHEREAS, the Board and Digital Engineering & Imaging, Inc. (“Consultant”) are parties to that certain Agreement dated January 10, 2013 (the “Original Agreement”), as amended by Amendment No. 1 dated September 17, 2014, per Resolution R-156-2020, Amendment No. 2 dated July 1, 2020, per Resolution R-029-2020, and Amendment No. 3 dated August 3, 2020, and Amendment 4 dated September 30, 2020, per Resolution R-081-2020 (as amended, the “Current Agreement”); and

WHEREAS, the Original Agreement engaged Consultant to provide engineering and design services for the Water Line Replacement Program for the Hollygrove and Gert Town neighborhoods, design and inspection services of repair or replacement of water lines damaged by Katrina as approved and funded by FEMA PWs for the City Department of Public Works; and

WHEREAS, Amendment 1 added program/project management and design/inspection services of repair or replacement of street drainage, with compensation at a percentage of construction costs, not to exceed 10% and that the fees, as defined in the original agreement, should be based on the amounts FEMA approved on PWs for design and construction inspection; and

WHEREAS, Amendment 2 included additional design services within the scope of services to be provided, deleted any future program/project management services from the scope of services and deleted all unaccrued program/project management services fees, incorporated federally required provisions for FEMA compliance, established a contract expiration date of June 30, 2023, and increased the compensation by \$411,556.85 to a maximum compensation not to exceed \$798,171.24; and

WHEREAS, Amendment 3 added engineering design services for RR015 BW Cooper, Gert Town, Dixon Group B with fees in the amount of \$184,080.40, for a total maximum compensation of \$982,251.64; and

WHEREAS, Amendment 4 updated survey fees, additional Construction Administration and Resident Inspection services in RR015 BW Cooper, Gert Town, and Dixon Group B at fees not to exceed \$108,150.70 and Construction Administration and Resident Inspection services in RR062 Hollygrove Group B at fees not to exceed \$133,263.60, for a total maximum compensation of \$1,223,665.94; and

WHEREAS, the Board is in need of construction and inspection services for RR064 Hollygrove Group D and the Consultant is willing to perform these services for a fee of \$70,950.60;

NOW THEREFORE, BE IT RESOLVED, that the President or President Pro Tem of the Sewerage and Water Board of New Orleans is hereby authorized to execute on behalf of the Sewerage and Water Board of New Orleans Amendment No. 5 with Digital Engineering & Imaging, Inc., to include engineering and construction services for RR064 Hollygrove Group D and to increase the net fee authorized to be paid to Digital Engineering & Imaging, Inc., by \$70,950.60 to a total maximum compensation not to exceed \$1,294,616.54.

I, Ghassan Korban, Executive Director,
Sewerage and Water Board of New Orleans,
do hereby certify that the above and foregoing
is a true and correct copy of a Resolution adopted
at the Regular Monthly Meeting of said Board,
duly called and held, according to law, on
November 18, 2020.

Ghassan Korban,
EXECUTIVE DIRECTOR
SEWERAGE AND WATER BOARD OF NEW ORLEANS

Sewerage and Water Board of New Orleans
BOARD OF DIRECTORS PROFESSIONAL SERVICES FACT SHEET



ACTION REQUESTED

Amendment to Professional Engineering Services Agreement
Digital Engineering & Imaging, Inc. WLRP Agreement

Request authorization for Amendment No.5 to our WLRP Agreement for Project RR064 Hollygrove Group D for a total amount not to exceed \$70,950.60.

CONTRACTOR/SUB/VENDOR INFORMATION

		DBE PARTICIPATION	
PRIME	SUBS	TARGET	ACTUAL
<i>Digital Engineering & Imaging, Inc.</i>	<i>Royal Engineering & Consultants, LLC</i>	40.00%	14.00%
		0.00%	0.00%
		0.00%	0.00%
Total		40.00%	14.00%

DESCRIPTION AND PURPOSE

Original Contract - Not to Exceed 18% Cost of Construction	
Amendment No.1 - No.4	\$1,223,665.94
Value of Requested Amendment No.5	\$70,950.60
<i>Has a NTP been Issued</i>	<i>No</i>
Total Revised Contract Value	\$1,294,616.54
Original Contract Completion Date	12/30/2022
Previously Approved Extensions (Days)	182
Time Extension Requested (Days)	0
Proposed Contract Completion Date	6/30/2023

Purpose and Scope of the Contract:

Per R-052-2012 on 3/15/2012 an agreement for Water Line Replacement Program (WLRP) engineering services for the following neighborhoods – Hollygrove and Gert Town was executed 1/10/2013.

Reason for Change:

Negotiate Fees - X	Differing Site Condition	Regulatory Requirement
Design Change	Other _____	

Amendment No.5 is required to capture negotiated fees for RR064 Hollygrove Group D in the not to exceed amount of \$70,950.60 for final design, bidding, construction admin and resident inspection.

Future Amendment will be needed to capture negotiated fees for TM005: Eden, Grape and Claiborne Transmissin Mains.

Spending to Date:

Cumulative Contract Amount (as of 1/1/2020)	\$1,223,665.94
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Cumulative Contract Spending (as of 1/1/2020)

\$520,102.46

Contractor's Past Performance:

The designer's timeliness of deliverables, conformance to SWBNO policies, procedures, and quality meet expectations. DBE participation will be met by Resident Inspection services during Construction.

PROCUREMENT INFORMATION

Contract Type	Professional Services	Award Base	Qualified List
Commodity	Public Works Construction	Name & FEMA PW	WLRP & 21031
Contractor Market	Public RFQ with DBE participation		
Compliance with Procurement Laws?	Yes X No	CMRC Date (if nec.) :	10/8/2020

BUDGET INFORMATION

Funding	CP 175-13	Department	JIRR
System	Water	Project Manager	Chantrell Carriere
Job Number	A1369FEM	Purchase Order #	PCCG192040236

ESTIMATED FUND SOURCE

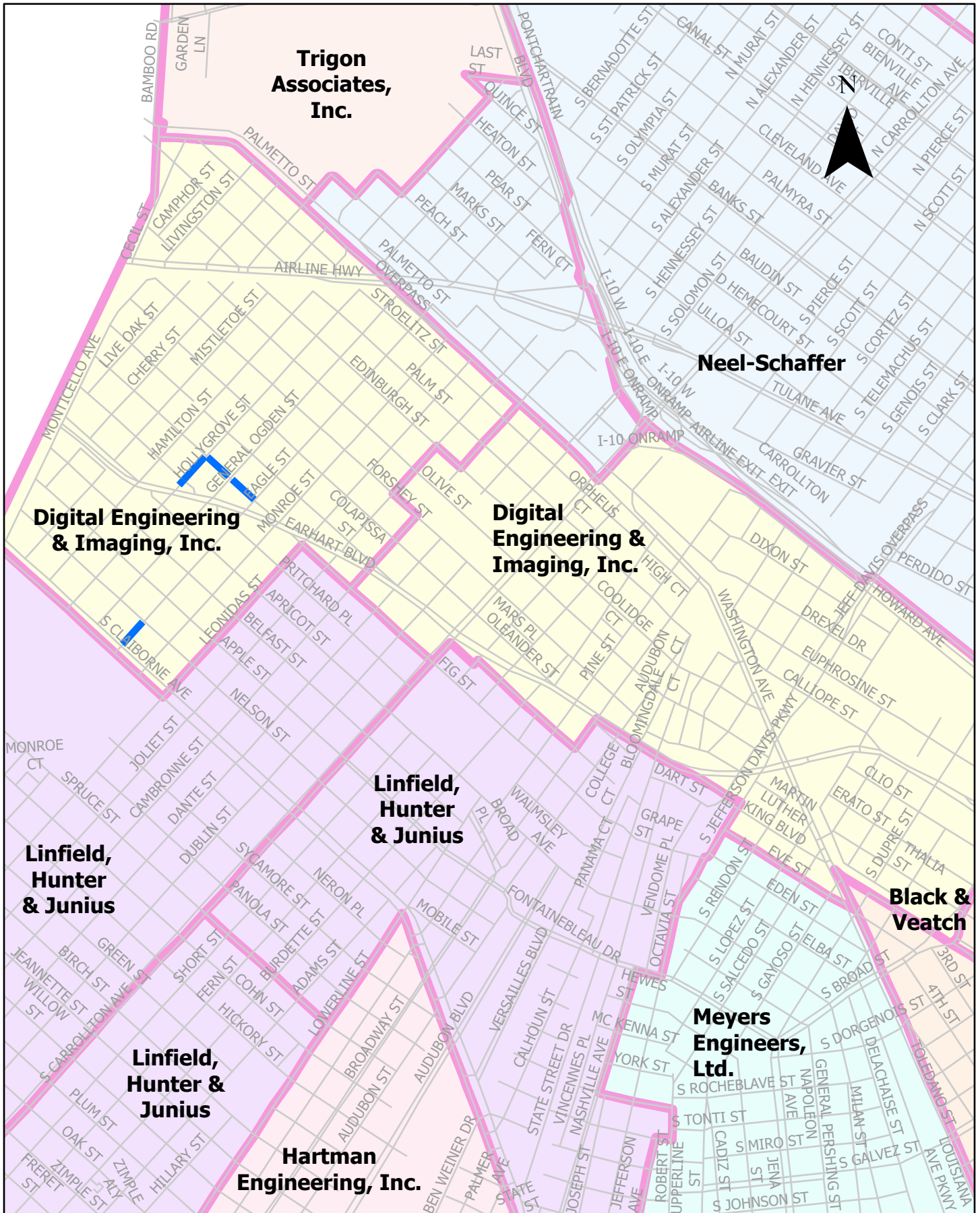
User	Share%	Dollar Amount	Reimbursible?
Sewer System	100%	\$ 70,950.60	WIFIA Loan - 100%
Water System			21031 - 100%
Drainage System		\$ 70,950.60	
TOTAL			

I certify that this contract action complies with all Sewerage and Water Board procurement policies and guidance, ethics rules and meets necessary regulatory requirements, including compliance with financing sources.

Mark D. Van Hala, P.E.

Program Administrator

Joint Infrastructure Recovery Request

RR064

AUTHORIZATION OF CONTRACT AMENDMENT NO. 6 TO THE AGREEMENT BETWEEN THE SEWERAGE AND WATER BOARD OF NEW ORLEANS AND LINFIELD, HUNTER & JUNIUS, INC., FOR DESIGN AND ENGINEERING SERVICES FOR THE WATERLINE REPLACEMENT PROGRAM

WHEREAS, pursuant to Resolution R-042-2012 approved March 15, 2012, **THE SEWERAGE AND WATER BOARD OF NEW ORLEANS** (Board) and **LINFIELD, HUNTER & JUNIUS, INC.**, (Consultant) executed an agreement dated September 10, 2012, for Consultant to provide engineering and design services for the Water Line Replacement Program (WLRP) for the Leonidas, Marlyville-Fountainbleau, East Carrollton and Black Pearl neighborhoods (the “Original Agreement”); and

WHEREAS, the fee under the Original Agreement was not to exceed 18% of the construction cost and the Consultant provided a DBE participation summary; and

WHEREAS, pursuant to Resolution R-161-2014 on August 20, 2014, the Board and Contractor executed Amendment No. 1 to the Original Agreement (as amended, the “Agreement”), adding program/project management services, design and inspection services for repair or replacement of drain lines damaged by Katrina as approved and funded by FEMA PWs for the City Department of Public Works, and payment of fees therefor; and

WHEREAS, the fee under Amendment No. 1 was not to exceed 10% of the construction cost; and

WHEREAS, pursuant to Resolution R-007-2020 on January 22, 2020, the Board and Contractor executed Amendment No. 2, amending the Agreement to delete any future program/project management services and all unaccrued program/project management services fees, to include engineering construction services in the RR009 Black Pearl, East Carrollton Group A and RR118 Marlyville-Fontainebleau Group C at a fee not to exceed \$26,274.82 (for a total fee not to exceed \$813,913.28) and to establish a contract expiration date of June 30, 2023; and

WHEREAS, the Board was in need of additional engineering construction services in projects RR008 Black Pearl Group B and RR009 Black Pearl, East Carrollton Group A, and RR118 Marleyville Fontainebleau Group C at a fee not to exceed \$119,651.11 (for a total fee not to exceed \$933,564.39) and executed Amendment No. 3 on July 20, 2020; and

WHEREAS, the Board needed surveying, geotechnical, design and engineering construction service fees for RRTM006 Leonidas/Fig Transmission Main Project and the Board authorized Amendment No. 4 on June 17, 2020 to the WLRP Agreement with the Consultant for these described services for fee not to exceed \$832,977.91, and a total contract fee not to exceed \$1,766,542.30; and

WHEREAS, the Board needed bidding, construction administration, record drawings and resident inspection for RR097 Leonidas Group A; and the Consultant was willing to perform the described services for fee not to exceed \$83,608.00, and the Board Authorized Amendment No. 5 on September 24, 2020 to the WLRP Agreement with the Consultant for these described services for fee not to exceed \$83,608.9100 and a total contract fee not to exceed \$1,850,150.30; and

WHEREAS, the Board is need of bidding, construction administration, record drawings and resident inspection for RR098 Leonidas Group C and RR099 Leonidas Group D; and

WHEREAS, the Consultant is willing to perform the described services for fee not to exceed \$275,838.00; and

WHEREAS, there are unused Resident Inspection and Supplemental Services fees from the Original Agreement in the amount of \$275,838.00; and

WHEREAS, the net cost of this Amendment is \$0.00 for a total contract fee not to exceed \$1,850,150.30.

NOW, THEREFORE BE IT RESOLVED, that the President or President Pro Tem of the Sewerage and Water Board is hereby authorized to execute on behalf of the Sewerage and Water Board of New Orleans Contract Amendment No. 6 to the existing agreement with Linfield, Hunter and Junius, Inc. to include engineering construction services for RR098 Leonidas Group C and RR099 Leonidas Group D; at zero net change, for a total contract fee not to exceed \$1,850,150.30.

I, Ghassan Korban, Executive Director,
Sewerage and Water Board of New Orleans,
do hereby certify that the above and foregoing
is a true and correct copy of a resolution adopted
at the Regular Meeting of said Board,
duly called and held, according to law, on
November 18, 2020.

Ghassan Korban
EXECUTIVE DIRECTOR
SEWERAGE AND WATER BOARD OF NEW ORLEANS

Sewerage and Water Board of New Orleans
BOARD OF DIRECTORS PROFESSIONAL SERVICES FACT SHEET



ACTION REQUESTED

**Amendment to Professional Engineering Services Agreement
RR098 & RR099 to Linfield, Hunter & Junius, Inc. WLRP Agreement**

Request authorization for Amendment No.6 to our WLRP Agreement for Project RR098 Leonidas Group C (\$184,733.00) and RR099 Leonidas Group D (\$91,105.00) for a total not to exceed fee \$275,838.00.

CONTRACTOR/SUB/VENDOR INFORMATION

		DBE PARTICIPATION	
PRIME	SUBS	TARGET	ACTUAL
<i>Linfield, Hunter & Junius, Inc.</i>	<i>Junius Engineering Consultants, L</i>	35.00%	33.25%
	<i>Sub Name</i>	0.00%	0.00%
	<i>Sub Name</i>	0.00%	0.00%
Total		35.00%	33.25%

DESCRIPTION AND PURPOSE

Original Contract - Not to Exceed 18% Cost of Construction	
Amendments 1-5	\$1,850,150.30
Value of Requested Change	\$0.00
<i>Has a NTP been Issued</i>	<i>No</i>
Total Revised Contract Value	\$1,850,150.30
Original Contract Completion Date	12/30/2022
Previously Approved Extensions (Days)	182
Time Extension Requested (Days)	0
Proposed Contract Completion Date	6/30/2023

Purpose and Scope of the Contract:

The Water Line Replacement Program (WLRP) agreement, R-042-2012 provides engineering services in association with the Joint Infrastructure Recovery Request (JIRR) program in coordination with the City of New Orleans(CNO) Recovery Roads(RR) Program for the following neighborhoods – Leonidas(PW 20769), East Carrollton (PW 20759), Black Pearl (PW 20693), and Marlyville-Fountainbleau (PW 20484).

Reason for Change:

Negotiate Fees - X	Differing Site Condition	Regulatory Requirement
Design Change	Other _____	

- 1. Amendment No.6 provides for final bid documents, bidding, construction administration, and resident inspection for projects RR098 Leonidas Group C (\$184,733.00) and RR099 Leonidas Group D (\$91,105.00) for a total not to exceed fee \$275,838.00.*
- 2. Based on updating FEMA reimbursement to the settlement, \$275,838.00 is being removed from the agreement; these include a portion of the Leonidas, East Carrollton, Black Pearl, and Marlyville-Fountainbleau neighborhoods Resident Inspection (\$212,845.03)*
- 3. Future amendments will be needed for RR123 Marlyville-Fountainbleau Group H and TM009 Spruce Transmission Main.*

Spending to Date:

Cumulative Contract Amount (as of 1/1/2020)	\$1,850,150.30
Cumulative Contract Spending (as of 1/1/2020)	\$483,808.05

Contractor's Past Performance:

The designer's timeliness of deliverables, conformance to SWBNO policies and procedures, quality meet expectations. To date the consultant has achieved a DBE participation rate of 33.25% of the 35% goal. Remaining DBE participation will be met by Resident Inspection Services during Construction.

PROCUREMENT INFORMATION

Contract Type	Professional Services	Award Based On	Qualified List
Commodity	Public Works Construction	Name & FEMA PW	WLRP & 21031
Contractor Market	Public RFQ with DBE participation		
Compliance with Procurement Laws?	Yes X No	CMRC Date (if nec.) :	10/22/2020

BUDGET INFORMATION

Funding	CP 175-13	Department	JIRR
System	Water	Project Manager	Chantrell Carriere
Job Number	A1369FEM	Purchase Order #	PG20196000146

ESTIMATED FUND SOURCE

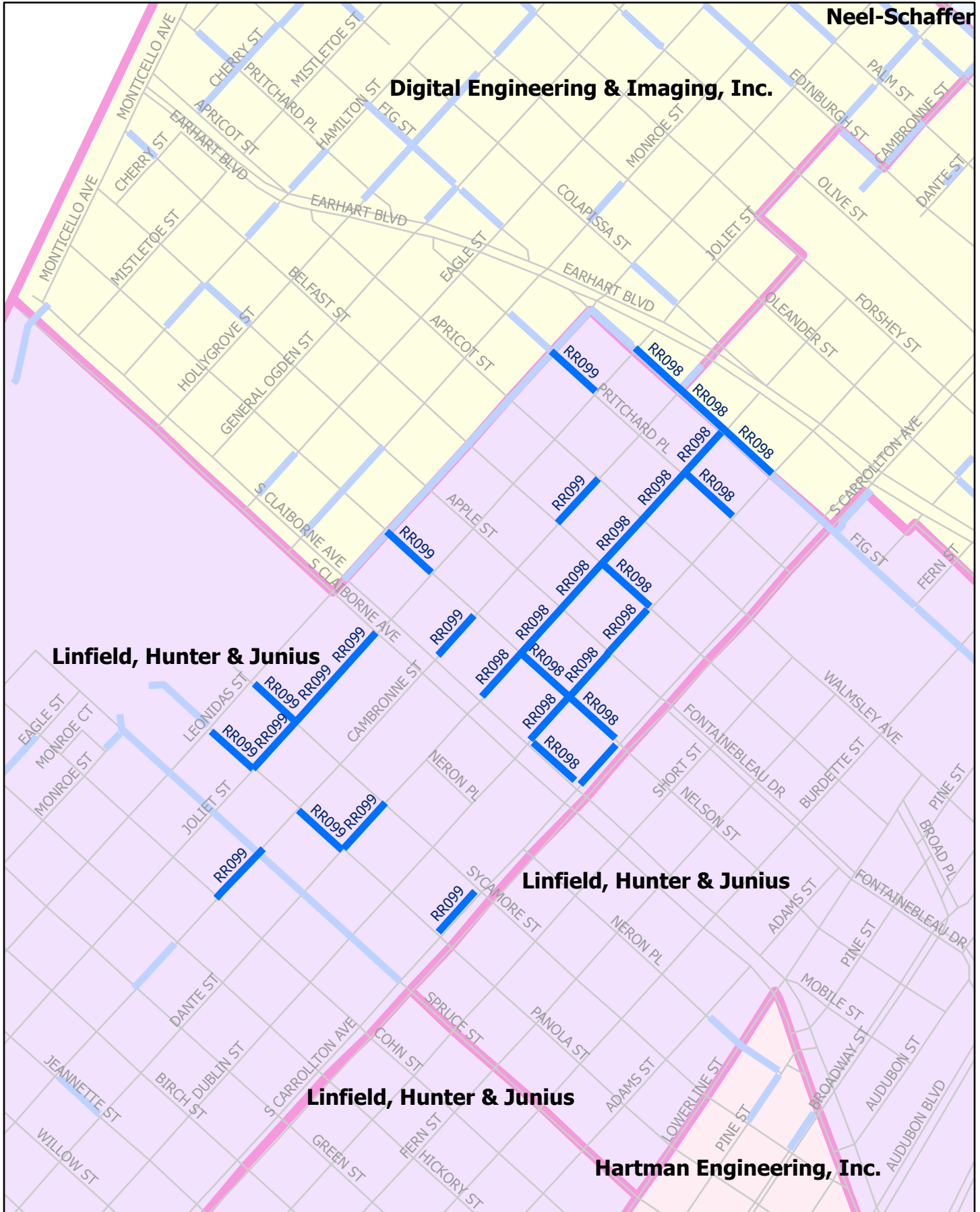
User	Share%	Dollar Amount	Reimbursible?
Sewer System	100%		WIFIA Loan - RR098 & RR099
Water System		0.00	21031 - 100%
Drainage System			
TOTAL		0.00	

I certify that this contract action complies with all Sewerage and Water Board procurement policies and guidance, ethics rules and meets necessary regulatory requirements, including compliance with financing sources.

 Mark D. Van Hala, P.E.
 Program Administrator
 Joint Infrastructure Recovery Request

Linfield, Hunter & Junius, Inc. RR098 AND RR099

— FEMA Water Line Replacement RR098 and RR099
— FEMA Water Line Replacement (Other Projects)



AUTHORIZATION OF AMENDMENT NO. 6 TO THE AGREEMENT BETWEEN THE SEWERAGE AND WATER BOARD OF NEW ORLEANS AND RAHMAN AND ASSOCIATES, INC. FOR ENGINEERING AND DESIGN SERVICES FOR THE WATERLINE REPLACEMENT PROGRAM

WHEREAS, the **SEWERAGE AND WATER BOARD OF NEW ORLEANS** (“Board”) and **RAHMAN AND ASSOCIATES, INC.** (Consultant) are parties to an original agreement dated March 13, 2012, authorized by Resolution R-020-2012 approved February 15, 2012, for Consultant to provide engineering and design services for the Water Line Replacement Program (WLRP) for the Lakeshore-Lake Vista, Lake Terrace & Oaks, and Filmore neighborhoods(Original Agreement), ; and as amended by Amendment 1 (October 1, 2012, per Resolution R-146-2012), by Amendment 2 (September 17, 2014, per Resolution R-166-2014), by Amendment 3 (April 1, 2020 per Resolution R-086-2019) by Amendment 4 (July 28, 2020, per Resolution R-063-2020), and by Amendment 5 (October 12, 2020, per Resolution Resolution R-063-2020 approved on July 22, 2020; and

WHEREAS, the fee under the original agreement was not to exceed 18% of the cost of construction with duration until construction of the project was complete; and

WHEREAS, Amendment 1 added survey fees in accordance with FEMA guidelines and policy; and

WHEREAS, Amendment 2 provided for program/project management services, design and inspection services of repair or replacement of drain lines and for compensation of survey work in accordance with FEMA recommended policy; and

WHEREAS, Amendment 3 removed project/program management work from contract scope, provided for fixed compensation rather than based on percentage of construction costs, authorized fees to be negotiated on “fair and reasonable” basis, established engineering services fees for RR037, RR072, RR073 resulting in a net fee increase of \$30,465.97 for total maximum fee not to exceed \$1,650,267.62, and established a contract expiration date of November 30, 2021; and

WHEREAS, Amendment 4 established engineering services fees for RR037 Filmore North Group A, RR038 Filmore North Group B, RR042 Filmore South Group A, RR043 Filmore South Group B, RR069 Lake Terrace & Oaks Group A, RR072 Lake Terrace & Oaks Group D, RR073 Lake Vista Group A, and DPW582 Oak Park Drainage in an amount not to exceed \$390,265.69 for a total maximum compensation not to exceed Two Million Forty Thousand Five Hundred Thirty-Three and 31/100 (\$2,040,533.31) Dollars, and extended the contract end date to June 30, 2023; and

WHEREAS, Amendment 5 added engineering construction services for the RR077 Lake Vista Group E and RR074 Lake Vista Group B, added fees of \$222,153.18, for a total maximum fee not to exceed \$2,262,686.49; and

WHEREAS, the Board is now in need of engineering construction services for the RR075 Lake Vista Group C; and

WHEREAS, the Consultant is willing to perform same for \$59,121.96, and a total fee not to exceed \$2,321,808.45.

NOW, THEREFORE BE IT RESOLVED, that the President or the President Pro Tem be and is hereby authorized to execute on behalf of the Sewerage and Water Board of New Orleans Contract Amendment No. 6 to the existing agreement with Rahman & Associates engineering services adding engineering services for RR075 Lake Vista Group C at a fee not to exceed \$59,121.96 and a total maximum fee not to exceed \$2,321,808.45.

I, Ghassan Korban, Executive Director,
Sewerage and Water Board of New Orleans,
do hereby certify that the above and foregoing
is a true and correct copy of a resolution adopted
at the Regular Meeting of said Board,
duly called and held, according to law, on
November 18, 2020.

Ghassan Korban,
EXECUTIVE DIRECTOR
SEWERAGE AND WATER BOARD OF NEW ORLEANS

Sewerage and Water Board of New Orleans
BOARD OF DIRECTORS PROFESSIONAL SERVICES FACT SHEET



ACTION REQUESTED

Amendment to Professional Engineering Services Agreement
RR075 for Rahman and Associates, Inc. WLRP Agreement

Request authorization to process WLRP Agreement Amendment No. 6 for RR075 Lake Vista Group C in the not to exceed the amount of \$59,121.96.

CONTRACTOR/SUB/VENDOR INFORMATION

		DBE PARTICIPATION	
PRIME	SUBS	TARGET	ACTUAL
<i>Rahman and Associates, Inc.</i>	<i>C&S Consultants</i>	35.00%	13.00%
	<i>Sub Name</i>	0.00%	0.00%
	<i>Sub Name</i>	0.00%	0.00%
Total		35.00%	13.00%

DESCRIPTION AND PURPOSE

Original Contract - Not to Exceed 18% Cost of Construction	
Amendments 1-5	\$2,262,686.49
Value of Requested Amendment	\$59,121.96
<i>Has a NTP been Issued</i>	<i>No</i>
Total Revised Contract Value	\$2,321,808.45
Original Contract Completion Date	12/30/2022
Previously Approved Extensions (Days)	182
Time Extension Requested (Days)	0
Proposed Contract Completion Date	6/30/2023

Purpose and Scope of the Contract:

This agreement provides engineering services for the Joint Infrastructure Recovery Request (JIRR) program for Lakeshore-Lake Vista, Lake Terrace & Oaks, and Filmore neighborhoods.

Reason for Change:

Negotiate Fees - X	Differing Site Condition	Regulatory Requirement
Design Change	Other _____	

Amendment No. 6 proposed engineering construction services for project RR075 Lake Vista Group C in the not to exceed amount of \$59,121.96 FINAL DESIGN \$1,811.38, BIDDING \$597.44, CONSTRUCTION ADMINISTRATION \$2,389.76, RECORD DRAWINGS \$762.40, RESIDENT INSPECTION @ \$60 per hour. Not to Exceed \$53,560.98

Future Amendments will be needed for

Spending to Date:

Cumulative Contract Amount (as of 1/1/2020)	\$2,262,686.49
Cumulative Contract Spending (as of 1/1/2020)	\$1,067,839.25

Contractor's Past Performance:

The designer's timeliness of deliverables, conformance to SWBNO policies, procedures, and quality meet expectations. To date the consultant has not achieved a DBE participation rate of 35%. Current DBE participation is calculated to be 13.0%. Remaining DBE participation will be met by Resident Inspection Services during Construction.

Future Amendments will be needed for Wave 3 Projects RR039 Filmore North Group C, RR041 Filmore North Group E, RR071 Lake Te

PROCUREMENT INFORMATION

Contract Type	Professional Services	Award Based On	Qualified List
Commodity	Public Works Construction	Name & FEMA PW	WLRP & 21031
Contractor Market	Public RFQ with DBE participation		
Compliance with Procurement Laws?	Yes No	CMRC Date (if nec.) :	10/15/2020

BUDGET INFORMATION

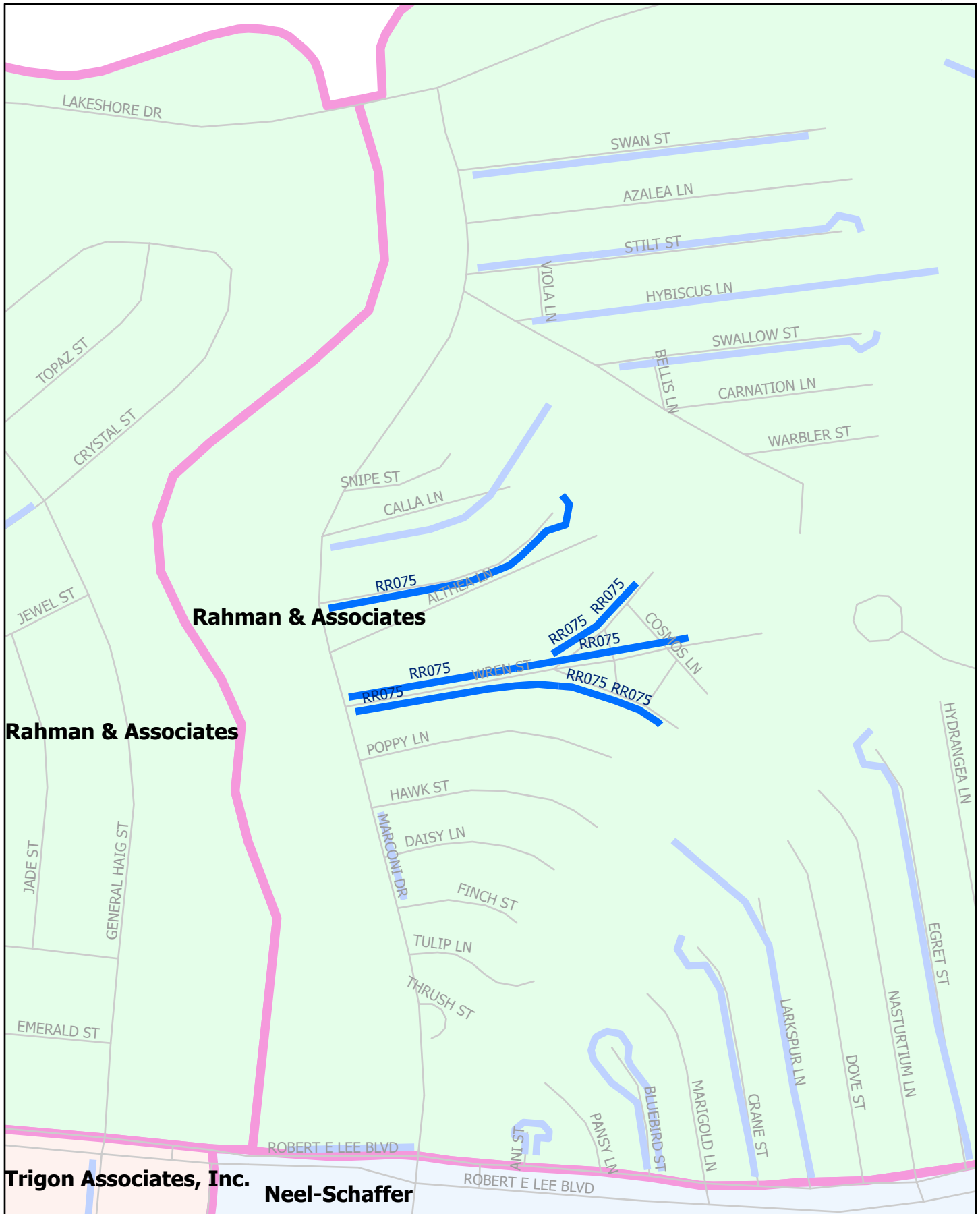
Funding	CP 175-13	Department	JIRR
System	Water	Project Manager	Chantrell Carriere
Job Number	A1369FEM	Purchase Order #	PG20196000182

ESTIMATED FUND SOURCE

User	Share%	Dollar Amount	Reimbursible?
Sewer System	100%	\$ 59,121.96	WIFIA Loan - 100%
Water System			21031 - 100%
Drainage System		\$ 59,121.96	
TOTAL			

I certify that this contract action complies with all Sewerage and Water Board procurement policies and guidance, ethics rules and meets necessary regulatory requirements, including compliance with financing sources.

 Mark D. Van Hala, P.E.
 Program Administrator
 Joint Infrastructure Recovery Request



AUTHORIZATION OF AMENDMENT NO. 7 TO THE PROFESSIONAL SERVICES AGREEMENT BETWEEN SEWERAGE AND WATER BOARD OF NEW ORLEANS AND MWH AMERICAS, INC. (predecessor in interest to STANTEC CONSULTING SERVICES, INC.) FOR DESIGN AND ENGINEERING SERVICES FOR THE WATER LINE REPLACEMENT PROGRAM (WLRP)

WHEREAS, by Resolution R-214-2011, adopted at its December 2011 Board meeting, the Board approved a list of engineering and consulting firms, including MWH , for the replacement and rehabilitation of its Water Line Replacement Program (WLRP); and

WHEREAS, by Resolution R-001-2012, approved at its January 18, 2012 meeting, the Board authorized execution of a contract with MWH to provide engineering and design services for the Board’s Waterline Replacement Program (WLRP) for the Bywater, Florida, Florida Development, Marigny, St. Claude and St. Roch neighborhoods, and pursuant to Resolution R-001-2012 the Board and MWH entered into a Professional Services Agreement dated April 3, 2012 (the “Original Agreement”) with fees in an amount not-to-exceed of ten (10) percent of construction for design, six (6) percent for inspection and two (2) percent for supplemental services or a sum total not to exceed eighteen (18) percent of the cost of construction; and

WHEREAS, by Resolution R-144-2012 approved at its August 15, 2012, meeting the Board authorized amendment of the Original Agreement to provide for compensation for surveying services to be billed in accordance with the prevailing FEMA recommended policy (not to exceed \$7.00 per linear foot in 2012, which included a mark-up on the direct cost of surveying); and

WHEREAS, pursuant to Resolution R-144-2012, the Board and MWH executed Amendment No. 1 to the Original Agreement on October 1, 2012 (as amended, hereafter, the “Agreement”); and

WHEREAS, by Resolution R-163-2014, adopted at its August 20, 2014 meeting, the Board authorized amending the Agreement to include program/project management services, design and inspection services of repair or replacement of drain lines damaged by Katrina as approved and funded by the Federal Emergency Management Agency (“FEMA”) under Project Worksheets (“PWs”), for the City of New Orleans (“City”), through its Department of Public Works (“DPW”),

WHEREAS, pursuant to Resolution R-163-2014, the Board and MWH executed Amendment No. 2 to the Agreement, dated September 17, 2014, for program/project management services, design and inspection services of repair or placement of drain lines, and to provide for compensation at a percentage of construction costs, not to exceed 10% and that the fees, as defined in the original agreement, should be based on the amounts FEMA approved on PW’s for design and construction inspection; and

WHEREAS, by Resolution R-233-2014, adopted at its November 19, 2014 meeting, the Board authorized amending the Agreement to include identification of FEMA eligible ADA curb ramps noted in PWs for the City and DPW, and payment of fees therefor not to exceed \$459,442.80; and

WHEREAS, pursuant to Resolution R-233-2014, the Board and MWH executed Amendment No. 3 to the Agreement, dated December 17, 2014, for identification of FEMA eligible ADA curb ramps as approved by Board staff, to reflect PWs approved by FEMA for design and construction inspection of the work performed and payment of fees therefor not to exceed \$459,442.80; and

WHEREAS, by merger effective January 1, 2017, Consultant acquired MWH and assumed all its responsibilities under the Agreement; and

WHEREAS, by Resolution R-010-2020, approved on January 22, 2020, the Board authorized amending the Agreement to include final design for RR004 Bayou St John, Fairgrounds and Seventh Ward Group B and RR170 St Claude Group E, and final design and engineering construction services for projects RR166 St Claude Group A, RR167 St Claude Group B, RR168 St Claude Group C, RR180 St Roch Group A, RR181 St Roch Group B in the amount of \$342,272.60, to delete any future program/project management services and all unaccrued program/project management services fees, and to establish a contract expiration date of May 30, 2022; and,

WHEREAS, pursuant to Resolution R-010-2020, the parties executed Amendment No. 4 dated May 19, 2020; and

WHEREAS, by Resolution R-064-2020, approved May 20, 2020, the Board authorized amending the Agreement to include engineering design services for on RR167: St Claude Group B (a DOTD revision), RR004: Bayou St. John, Fairgrounds, Seventh Ward Group B Construction Admin & Inspection, RR020: Bywater, Marigny Group A (Final Design, Construction Admin and Inspection, RR170: St. Claude Group E (Construction Admin and Inspection, and RR168: St. Claude Group C Construction Admin and Inspection in the amount of \$119,874.90, and to extend the contract expiration date from May 30, 2022 to June 30, 2023; and

WHEREAS, pursuant to Resolution R-064-2020, the parties executed Amendment No. 5 dated October 21, 2020; and

WHEREAS, by Resolution R-117-2020, approved October 21, 2020, the Board authorized amending the Agreement to include engineering design services for on RR176 St. Roch North Group A; and Construction Admin and Inspection in the amount not to exceed \$167,140.89; and

WHEREAS, pursuant to Resolution R-117-2020, Amendment No. 6 is being prepared; and

WHEREAS, the Board is in need of construction services on RR177 St. Roch North Group B and RR178 St. Roch North Group C; and

WHEREAS, the Consultant is willing to perform these services for an amount not to exceed \$465,215.71 for a total fee under the Agreement not to exceed \$1,992,108.33; and,

NOW, THEREFORE BE IT RESOLVED, that the President or President Pro Tem of the Sewerage and Water Board is hereby authorized to execute on behalf of the Sewerage and Water Board of New Orleans Contract Amendment No. 7 to the existing agreement with Stantec Consulting Services, Inc. (as successor in interest to MWH Americas, Inc.) to include engineering services for RR177 St. Roch North Group B and RR178 St. Roch North Group C, at an amount not to exceed \$465,215.71 and for a total fee under the Agreement not to exceed \$1,992,108.33.

I, Ghassan Korban, Executive Director,
Sewerage and Water Board of New Orleans,
do hereby certify that the above and foregoing
is a true and correct copy of a resolution adopted
at the Regular Meeting of said Board,
duly called and held, according to law, on
November 18, 2020.

Ghassan Korban,
EXECUTIVE DIRECTOR
SEWERAGE AND WATER BOARD OF NEW ORLEANS

Sewerage and Water Board of New Orleans
BOARD OF DIRECTORS PROFESSIONAL SERVICES FACT SHEET



ACTION REQUESTED

Amendment to Professional Engineering Services Agreement
RR177 & RR178 Stantec Consulting Services, Inc. WLRP Agreement

Request authorization for Amendment No.7 to our WLRP Agreement for Projects RR177 St. Roch North Group B and RR178 St. Roch North Group C in an amount not to exceed \$465,215.71.

CONTRACTOR/SUB/VENDOR INFORMATION

		DBE PARTICIPATION	
PRIME	SUBS	TARGET	ACTUAL
<i>Stantec Consulting Services, Inc.</i>	<i>Gotech, Inc.</i>	17.50%	3.20%
	<i>IMS Engineers</i>	17.50%	0.00%
	<i>Sub Name</i>	0.00%	0.00%
Total		35.00%	3.20%

DESCRIPTION AND PURPOSE

Original Contract - Not to Exceed 18% Cost of Construction	
Amendments 1-6	\$1,526,892.62
Value of Requested Change	\$465,215.71
<i>Has a NTP been Issued</i>	<i>No</i>
Total Revised Contract Value	\$1,992,108.33
Original Contract Completion Date	5/30/2022
Previously Approved Extensions (Days)	396
Time Extension Requested (Days)	0
Proposed Contract Completion Date	6/30/2023

Purpose and Scope of the Contract:

This agreement, per R-001-2012 on 1/18/2012, provides engineering services for the Joint Infrastructure Recovery Request (JIRR) program in coordination with the City of New Orleans (CNO) Recovery Roads (RR) Program for Bywater, Florida Area, Marigny, St. Roch, and St. Claude neighborhoods.

Reason for Change:

Negotiate Fees - X	Differing Site Condition	Regulatory Requirement
Design Change	Other _____	

Amendment No. 7. proposes negotiated construction services fees in the amount of \$222,710.48 for final bid documents, bidding, construction administration, and resident inspection on Project RR177 St. Roch North Group B and \$242,505.23. for final bid documents, bidding, construction administration, and resident inspection on project RR178 St. Roch North Group C.

Future Amendments will be needed for 3rd Wave Projects RR005, RR006, RR007, RR016, RR017, RR047, RR169, RR176, and 4th Wave
Spending to Date:

Cumulative Contract Amount (as of 1/1/2020)	\$1,526,892.62
Cumulative Contract Spending (as of 1/1/2020)	\$603,711.90

Contractor's Past Performance:

The designer's timeliness of deliverables, conformance to SWBNO policies, procedures, and quality meet expectations. DBE participation will be met by Resident Inspection services during Construction.

PROCUREMENT INFORMATION

Contract Type	Professional Services	Award Based On	Qualified List
Commodity	Public Works Construction	Name & FEMA PW	WLRP & 21031
Contractor Market	Public RFQ with DBE participation		
Compliance with Procurement Laws?	Yes X No	CMRC Date (if nec.) :	10/22/2020

BUDGET INFORMATION

Funding	CP 175-13 & CP 175-14	Department	JIRR
System	Water & Sewer	Project Manager	Susan Diehl
Job Number	A1348FEM & C1399XXX	Purchase Order #	PG20196000145

ESTIMATED FUND SOURCE

User	Share%	Dollar Amount	Reimbursible?
Sewer System	31%	\$144,002.74	WIFIA Loan - 100% 21031 - 100%
Water System	69%	\$312,212.97	
Drainage System			
TOTAL		\$ 456,215.71	

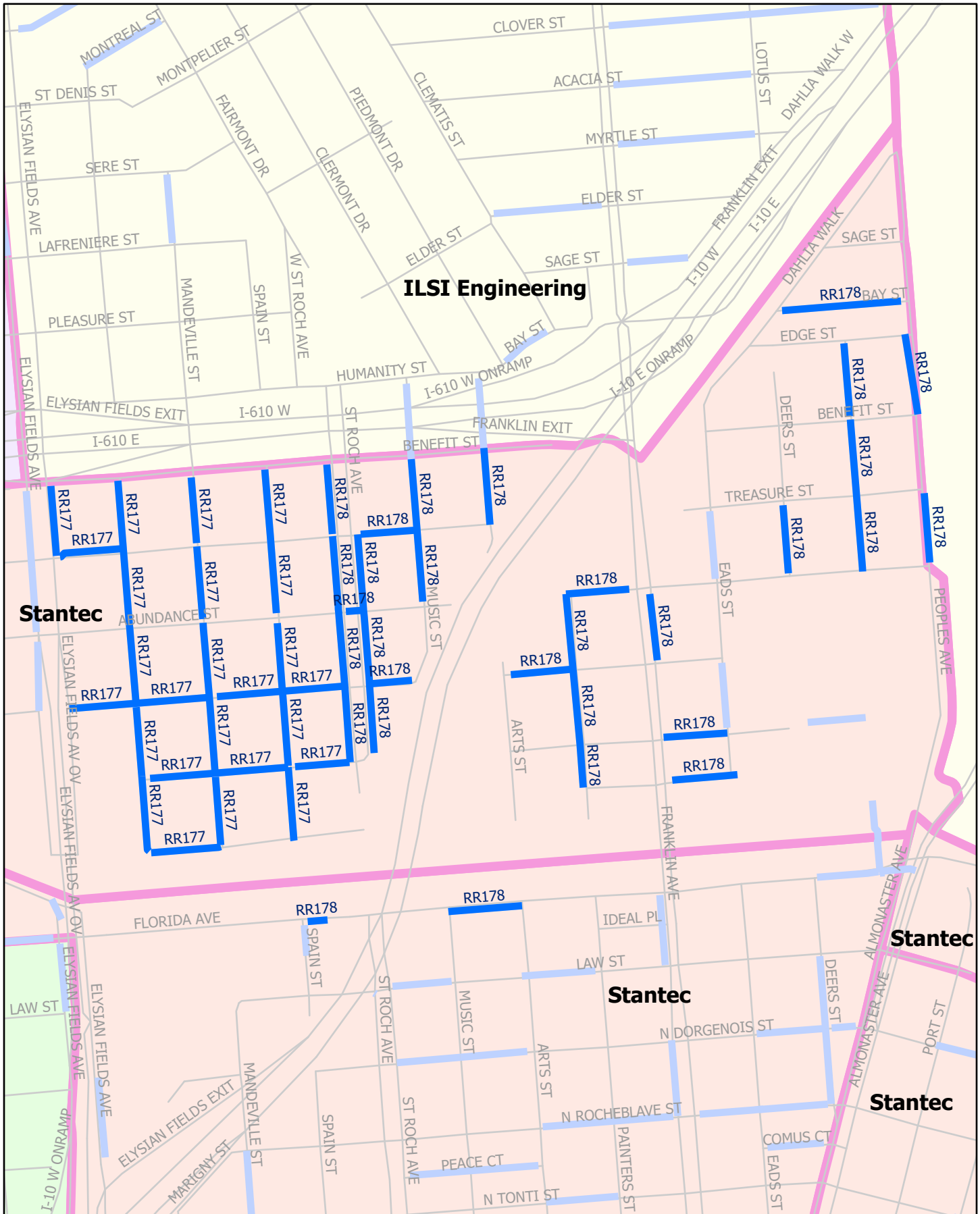
I certify that this contract action complies with all Sewerage and Water Board procurement policies and guidance, ethics rules and meets necessary regulatory requirements, including compliance with financing sources.

 Mark D. Van Hala, P.E.
 Program Administrator
 Joint Infrastructure Recovery Request

RR177 and RR178

FEMA Water Line Replacement RR177 and RR178

FEMA Water Line Replacement (Other Projects)



GENERAL SUPERINTENDENT'S RECOMMENDATIONS

FINAL ACCEPTANCES

CONTRACT #EE20-0004 – FINAL ACCEPTANCE OF 2020 INSTALLATION OF FEEDER CFC2 FROM THE PLANT FREQUENCY CHANGER BLDG. TO CARROLLTON FREQUENCY CHANGER BLDG, ASSOCIATED WITH THE EXTREME EMERGENCY DECLARATION OF TURBINE 5.

WHEREAS, on May 8,2020 the Sewerage and Water Board entered into Contract EE20-0004 with Walter J. Barnes Electric Co., Inc in the amount of \$476,488.35 for 2020 Installation of Feeder CFC2 From the Plant Frequency Changer Bldg. to Carrollton Frequency Changer Bldg,; and,

WHEREAS, Contract EE20-0004 had one Change Order that brought the accumulated Contract Change Order total to \$64,288.00 or 13.49 percent of the original Contract value and,

WHEREAS, Contract EE20-0004 is ready for Final Acceptance by the Water Board of New Orleans and,

NOW THEREFORE BE IT RESOLVED, by the Sewerage and Water Board of New Orleans that the recommendation of the General Superintendent, to authorize final acceptance and close out of Contract EE20-0004, is hereby approved.

I, Ghassan Korban, Executive Director,
Sewerage and Water Board of New Orleans,
do hereby certify that the above and foregoing
is a true and correct copy of a resolution adopted
at the Regular Meeting of said Board,
duly called and held, according to law, on
November 18, 2020.

Ghassan Korban,
EXECUTIVE DIRECTOR
SEWERAGE AND WATER BOARD OF NEW ORLEANS

SEWERAGE & WATER BOARD OF NEW ORLEANS

- FINAL ACCEPTANCE STATEMENT -

DATE: 21-Oct-20

FROM: Celso Antunez, Project Manager

TO: Robert Turner, General Superintendent

RE: **Contract No.:** EE20-0004


CC: Hadi Amini, Ron Spooner

TITLE: **2020 INSTALLATION OF FEEDER CFC2 FROM THE PLANT FREQUENCY CHANGER BLDG. TO CARROLLTON FREQUENCY CHANGER BLDG, ASSOCIATED WITH THE EXTREME EMERGENCY DECLARATION OF TURBINE 5.**

This is to advise that all work on the above-captioned Contract is now completed and acceptance of the Contract is recommended.

CONTRACTOR:	Walter J. Barnes Electric Company, Inc.
ORIGINAL CONTRACT SUM:	\$476,488.35
LUMP SUM BID:	\$0.00
UNIT PRICE BID:	\$0.00
TOTAL CONTRACT BID:	\$476,488.35
UNIT PRICE EXTENSIONS TO CONTRACT:	\$39,583.00
NO. CHANGE ORDERS:	1
TOTAL CHANGE ORDER AMOUNT:	\$45,605.00
(Do not include unit price work in Change Orders)	
TOTAL CONTRACT EXPENDITURE:	\$561,676.35
CHANGE ORDERS AS PER CENT OF LUMP SUM AND UNIT PRICE BID TOTAL:	9.57%
DATE WORK ORDER ISSUED:	3-Jun-20
DATE WORK ACCEPTED:	22-Aug-20
RETAINAGE INCLUDING FINAL CHANGE ORDER DUE TO CONTRACTOR:	\$56,167.64
CONTRACT DBE Participation goal:	0.0%
CONTRACT DBE Participation achieved:	0.0%

SOURCE OF FUNDS: ☒ CAPITAL


Celso Antunez, E.I.
Program Supervisor


M. Ron Spooner, P. E.,
Chief of Engineering



**EMPLOYEES' RETIREMENT SYSTEM OF THE
SEWERAGE AND WATER BOARD OF NEW ORLEANS**

ACTUARIAL VALUATION

AS OF

JANUARY 1, 2020



Rudd and Wisdom, Inc.

Rudd and Wisdom, Inc.

CONSULTING ACTUARIES

Mitchell L. Bilbe, F.S.A.
Evan L. Dial, F.S.A.
Philip S. Dial, F.S.A.
Charles V. Faerber, F.S.A., A.C.A.S.
Mark R. Fenlaw, F.S.A.
Brandon L. Fuller, F.S.A.
Shannon R. Hatfield, A.S.A.

Christopher S. Johnson, F.S.A.
Oliver B. Kiel, F.S.A.
Dustin J. Kim, A.S.A.
Edward A. Mire, F.S.A.
Rebecca B. Morris, A.S.A.
Amanda L. Murphy, F.S.A.

Michael J. Muth, F.S.A.
Khiem Ngo, F.S.A., A.C.A.S.
Timothy B. Seifert, A.S.A.
Chelsea E. Stewart, A.S.A.
Raymond W. Tilotta
Ronald W. Tobleman, F.S.A.
David G. Wilkes, F.S.A.

November 2, 2020

PERSONAL AND CONFIDENTIAL

Board of Trustees
Sewerage and Water Board of New Orleans
625 St. Joseph Street
New Orleans, Louisiana 70165

Re: Actuarial Valuation as of January 1, 2020

Members of the Board of Trustees:

Enclosed is the Actuarial Valuation of the Employees' Retirement System of the Sewerage and Water Board of New Orleans (the "Plan") as of January 1, 2020. The purpose of this report is to evaluate the funded status of the plan and to determine an actuarially reasonable contribution level that comports with the employer's funding policy for the plan year beginning January 1, 2020.

Note: This report may be provided to third parties only if distributed in its entirety.

Funding Policy

The ultimate goal of a funding policy is to ensure that plan assets will be sufficient to pay all benefits to all plan participants and their beneficiaries as payments come due. A funding policy that requires contributions that are sufficient to pay the plan's Normal Cost and to amortize the plan's Unfunded Accrued Liability (UAL) over a reasonable period of time should be adequate to achieve this goal, subject to the risks inherent in any pension plan as further discussed below.

The Sewerage and Water Board of New Orleans has utilized a funding policy that determines the Normal Cost and Accrued Liability using the Entry Age Normal (EAN) funding method. The UAL is the difference between this Entry Age Normal Accrued Liability and the Actuarial Value of Plan Assets as of the valuation date. The employer's funding policy requires annual contributions sufficient to fund the sum of the Normal Cost under the EAN funding method and a level dollar amortization of the UAL over an open 30-year period.

The annual Employer Contribution reflecting the continued utilization of this funding policy for the 2020 plan year is \$10,263,698. This amount is in addition to Employee Contributions of 6.0% of "Earnable Compensation" as defined under the terms of the Rules and Regulations

of the Plan. See page III-1 of this report for the development of the employer contribution and page VI-11 for the definition of “Earnable Compensation”. The Board may elect to contribute more than this funding policy amount. At the request of the employer, we have also determined a contribution amount for 2020 that would fund the Normal Cost plus a level dollar amortization of the UAL over a 15-year period.

	Funding Scenario	
	Funding Policy (30-year Amortization of UAL)	Funding Alternative (15-year Amortization of UAL)
1. Normal Cost ¹	\$ 4,947,747	\$ 4,947,747
2. Amortization of UAL ¹	<u>7,746,757</u>	<u>10,554,539</u>
3. Total ¹	\$ 12,694,504	\$ 15,502,286
4. Employee Funding Policy Contribution ²	<u>(2,430,806)</u>	<u>(2,430,806)</u>
5. Employer Contribution	\$ 10,263,698	\$ 13,071,480
6. Employer Contribution as a Percent of Pension Payroll ³	21.112%	26.887%

¹ Includes interest assuming monthly payments at the end of each month.

² In accordance with Board Resolution R-248-2014, since the plan is not 100% funded, the Employer Contribution is determined assuming employees contribute 5% of Earnable Compensation. Actual Employee Contributions are 6% of Earnable Compensation.

³ Based on projected 2020 Earnable Compensation of \$48,616,122. Earnable Compensation is not equal to Total Compensation. For example, Earnable Compensation excludes overtime pay. (See page VI-11 of this report for the definition of Earnable Compensation.)

Action Items

The following list contains certain action items for company management:

1. Review the Management Summary (Section II) of this report.
2. Make a contribution of at least \$10,263,698 to the trust for the twelve months ending December 31, 2020 in order to follow the employer’s funding policy.
3. Notify us of any activities during the remainder of the 2020 plan year that could require updates to the next valuation on January 1, 2021 (e.g., a plan amendment, a change in the funding policy, a change in the investment policy or a material change in employment or compensation practices related to the COVID-19 pandemic).

Variability in Future Actuarial Measurement and Related Risks

Future actuarial measurements may differ significantly from the current measurements presented in this report due to such factors as the following:

- Plan experience differing from that anticipated by the current economic or demographic assumptions;
- Increases or decreases expected as part of the natural operation of the methodology used for these measurements;
- Changes in economic or demographic assumptions; and
- Changes in plan provisions.

Risks that may reasonably be anticipated to significantly affect the plan's future financial condition include:

- Investment Risk (i.e., the potential that investment returns will be different than expected);

Adverse investment experience can increase employer contribution requirements in future years. Favorable investment experience can have the opposite effect.
- Asset/Liability mismatch (i.e., the potential that changes in asset values are not matched by changes in the value of liabilities);

Mismatches can produce effects similar to adverse investment experience, but they can be amplified by assets and liabilities moving in opposite directions. This plan's assets are not matched to its liabilities. Instead, the employer has elected to invest with an asset mix intended to produce higher long-term returns on average than might be expected with an asset/liability matched portfolio, but this will frequently produce short term variances between asset growth and liability growth.

- Longevity and other demographic risks (i.e., the potential that mortality or other demographic experience will be different than expected);

Adverse longevity and other demographic experience can increase employer contribution requirements in future years. Favorable demographic experience can have the opposite effect.
- Contribution risk (i.e., the potential that actual future contributions deviate from expected future contributions).

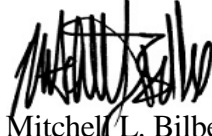
If employer contributions are made below the level required by the funding policy contemplated in this valuation, the employer contribution requirements will grow in the future, compounded with interest.

We can provide more detailed assessments of one or more of the above risks upon request. Assessment methods may include, but are not limited to, scenario tests and sensitivity tests. We have not been asked to perform and have not performed any stochastic or deterministic sensitivity analyses of the potential ranges of such future measurements, nor any of the more detailed assessments described above. If you have an interest in the results of any such analysis, please let us know.

If you have any questions concerning this information, please do not hesitate to call or write.

Respectfully submitted,

RUDD AND WISDOM, INC.

A handwritten signature in black ink, appearing to read "Mitchell L. Bilbe".

Mitchell L. Bilbe, F.S.A.

A handwritten signature in black ink, appearing to read "Christopher S. Johnson".

Christopher S. Johnson, F.S.A.

MLB/CSJ:ph

Enclosures

cc: Yolanda Grinstead

Ghassan Korban

LaBarron McClendon

Sonji Skipper

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**EMPLOYEES' RETIREMENT SYSTEM OF THE
SEWERAGE AND WATER BOARD OF NEW ORLEANS**

ACTUARIAL VALUATION

AS OF

JANUARY 1, 2020



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Section I – Certification of Actuarial Valuation as of January 1, 2020

At the request of the Sewerage and Water Board of New Orleans, we have performed an actuarial valuation of the Employees' Retirement System of the Sewerage and Water Board of New Orleans as of January 1, 2020. The purpose of this report is to evaluate the funded status of the plan and to determine an actuarially reasonable contribution level for the plan year ending December 31, 2020 that comports with the employer's funding policy.

We have based our valuation on current employee, former employee and retiree data as of January 1, 2020 provided by the Sewerage and Water Board of New Orleans and asset information as of January 1, 2020 provided by Capital One, Whitney Hancock and LAMP. We have used the actuarial methods and assumptions described in Section V of this report. The actuarial valuation has been performed on the basis of the plan benefits described in Section VI.

To the best of our knowledge, all current employees eligible to participate in the plan as of the valuation date and all other individuals who have a remaining vested benefit or a remaining nonvested benefit under the plan have been included in the valuation. Further, all plan benefits have been considered in the development of plan costs.

The plan sponsor remains solely responsible for the accuracy and comprehensiveness of the data provided. However, to the best of our knowledge, no material biases exist with respect to any imperfections in the data provided by these sources. To the extent that any data imperfections exist in the historical compensation database, we have addressed the imperfections by application of the increase assumptions specified in Section V. To the extent any imperfections exist in service records, we have relied on best estimates provided by the employer. We have not audited the data provided, but have reviewed it for reasonableness and consistency relative to previously provided information.

To the best of our knowledge, the actuarial information supplied in this report is complete and accurate. In our opinion the assumptions used, in the aggregate and individually, are reasonably related to the experience of the plan and to reasonable expectations. The assumptions represent a reasonable estimate of anticipated experience of the plan over the long-term future, and their selection complies with the applicable actuarial standards of practice.

We hereby certify that we are members of the American Academy of Actuaries who meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinions contained herein.

Mitchell L. Bilbe, F.S.A.
Enrolled Actuary Number 20-6302
Member of American Academy of Actuaries

Christopher S. Johnson, F.S.A.
Enrolled Actuary Number 20-7100
Member of American Academy of Actuaries



Section II – Management Summary

All employer liabilities presented throughout this report have been determined based upon the actuarial methods and assumptions outlined in Section V and the plan provisions outlined in Section VI.

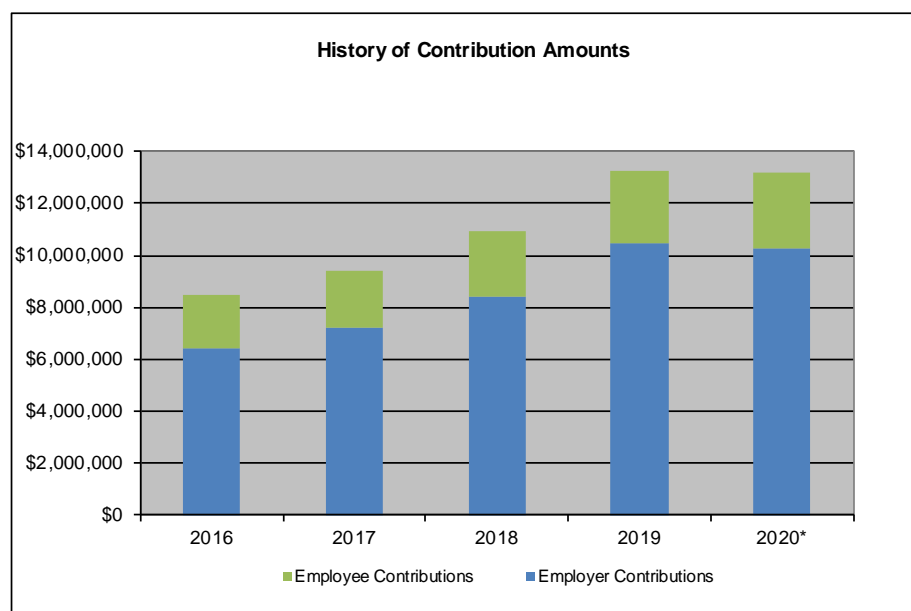
A. Contribution Amount Under Employer's Funding Policy

	Annual Contribution	
	2019	2020
1. Total Funding Policy Contribution		
a. Normal Cost	\$ 4,964,967	\$ 4,947,747
b. UAL Amortization	7,572,820	7,746,757
c. Total	\$ 12,537,787	\$ 12,694,504
2. Employee Funding Policy Contribution¹	(2,381,086)	(2,430,806)
3. Employer Funding Policy Contribution	\$ 10,156,701	\$ 10,263,698
4. Employer Funding Policy Contribution as a Percent of Payroll²	21.328%	21.112%

¹ In accordance with Board Resolution R-248-2014, since the plan is not 100% funded, the Employer Contribution is determined assuming employees contribute 5% of Earnable Compensation. Actual Employee Contributions are 6% of Earnable Compensation.

² Based on projected Earnable Compensation of \$47,621,715 for 2019 and \$48,616,122 for 2020.

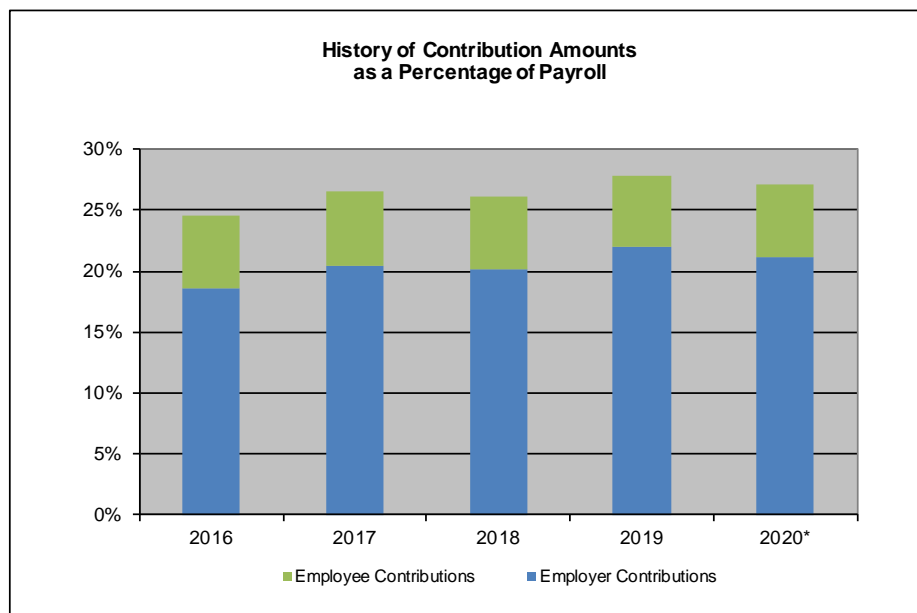
The employer's Funding Policy determines the annual contribution amount as the sum of the **Normal Cost** and a 30-year amortization of the **Unfunded Accrued Liability** (UAL), where the UAL is the difference between the **Actuarial Value of Assets** and the **Actuarial Accrued Liability** (AAL). The AAL and the Normal Cost are determined using the **Entry Age Normal** (EAN) actuarial funding method as described in Section V.A. of this report. A 5-year history of the plan's contribution amounts under the employer's Funding Policy is shown below.



* Assuming the funding policy contribution from this report is contributed by employer.



Below is the plan's contribution history again but shown as a percentage of payroll (i.e., estimated Earnable Compensation for the valuation year).



* Assuming the funding policy contribution from this report is contributed by employer.

While the 2020 Employer Contribution under the Funding Policy increased by \$100,000 over the 2019 contribution, this represents a 0.216% decrease as a percentage of pay as shown in the table on page II-1.

B. Participant Demographics as of January 1, 2020

Participants	Number	Estimated Payroll for 2020
Actives	1,185	\$ 48,616,122
Vested Terminated	40	N/A
Nonvested Terminated	136 ¹	N/A
Retirees and Beneficiaries	909 ²	N/A
Total	2,270	\$ 48,616,122

¹ Nonvested Terminated employees whose employee contribution account balances have not yet been refunded as of the valuation date.

² Includes 90 DROP participants whose period of participation in the DROP has not yet expired as of the valuation date and 34 DROP participants whose period of participation in the DROP has expired but whose DROP balance has not yet been paid as of the valuation date.



C. Funding Liabilities and Assets

	As of January 1, 2019	As of January 1, 2020
1. a. Market Value of Assets	\$ 215,279,783	\$ 239,677,702
b. Actuarial Value of Assets	\$ 242,203,725	\$ 246,441,104
2. Discount Rate	7.00%	7.00%
3. Present Value of Future Benefits		
a. Actives	\$ 123,698,224	\$ 130,076,226
b. Retirees ¹ and Beneficiaries	176,742,836	170,174,532
c. DROP ² Retirees	57,242,828	63,410,024
d. Disabled Retirees	9,748,445	9,481,297
e. Vested Terminated	1,772,254	2,832,400
f. Nonvested Terminated	217,151	237,291
g. Total	\$ 369,421,738	\$ 376,211,770
h. Funded Status [1.b./3.g.]	65.56%	65.51%
4. Entry Age Normal Accrued Liabilities		
a. Actives	\$ 93,429,734	\$ 99,481,882
b. Retirees ¹ and Beneficiaries	176,742,836	170,174,532
c. DROP ² Retirees	57,242,828	63,410,024
d. Disabled Retirees	9,748,445	9,481,297
e. Vested Terminated	1,772,254	2,832,400
f. Nonvested Terminated	217,151	237,291
g. Total	\$ 339,153,248	\$ 345,617,426
h. Funded Status [1.b./4.g.]	71.41%	71.30%

¹ Excludes DROP Retirees whose DROP balance has not been paid as of the valuation date.

² DROP Retirees whose DROP balance has not been paid as of the valuation date.

1. Liabilities

The **Present Value of Future Benefits (PVFB)** is the actuarial present value of the cost to finance projected benefits payable in the future, discounted to reflect the expected effects of the time value (present value) of money and the probabilities of payment.

The **Entry Age Normal Accrued Liability** attributes a portion of the PVFB to the past service of each individual, where the amount attributed to each year is spread on a level basis over the earnings of an individual from their plan entry date to their assumed exit dates from the plan.

The liability measurements in this report are not appropriate for assessing the sufficiency of plan assets to cover the cost of settling plan obligations in the event the plan is terminated.

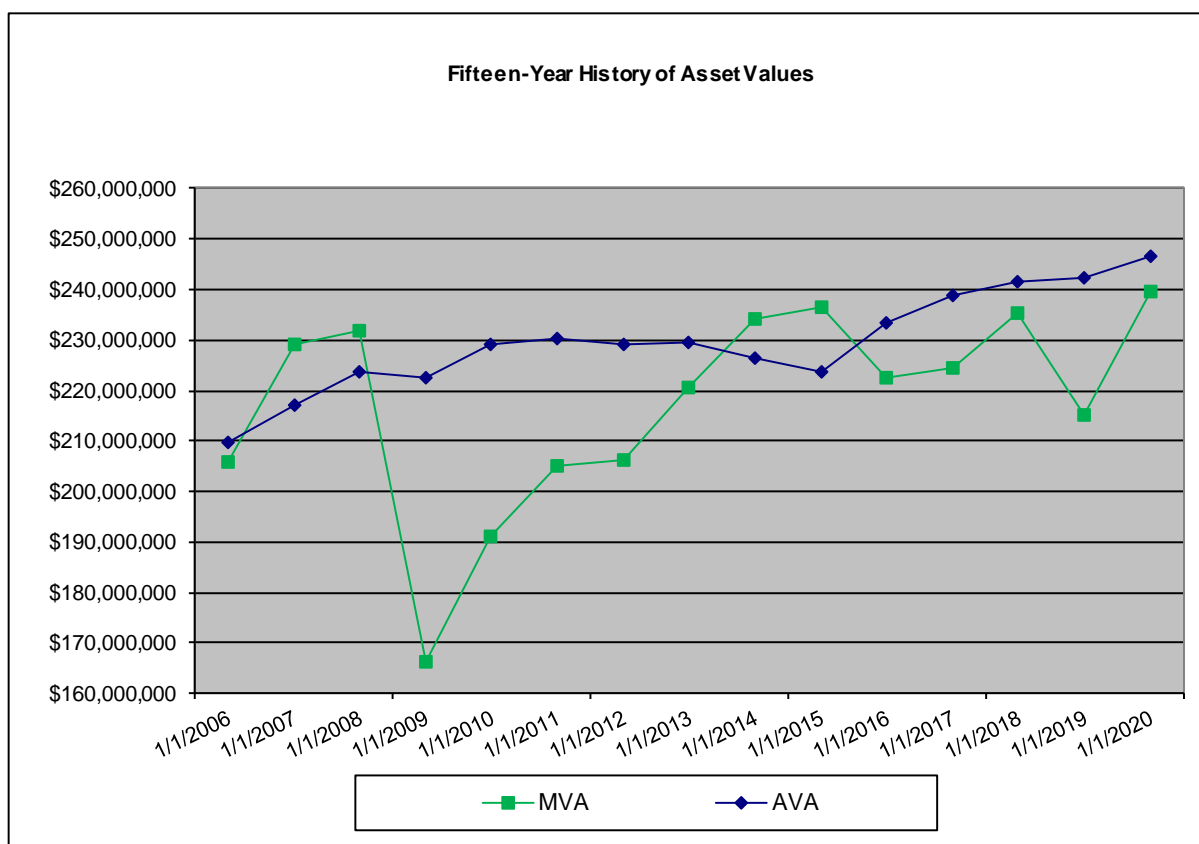
Further, additional contributions from the employer could be needed in the future even if asset values were equal to 100% of liabilities as measured for funding purposes.



2. Assets

The **Actuarial Value of Assets (AVA)** smooths the volatility of the Market Value of Assets (MVA) by deferring recognition of asset gains or losses over a seven-year period. This smoothing of the MVA in turn reduces the year over year fluctuation of Employer Contributions and can make it easier for the employer to budget its contribution each year.

Below is a 15-year history of the MVA and the AVA.



The investment policy's targeted weighted-average asset allocations by asset class are as follows:

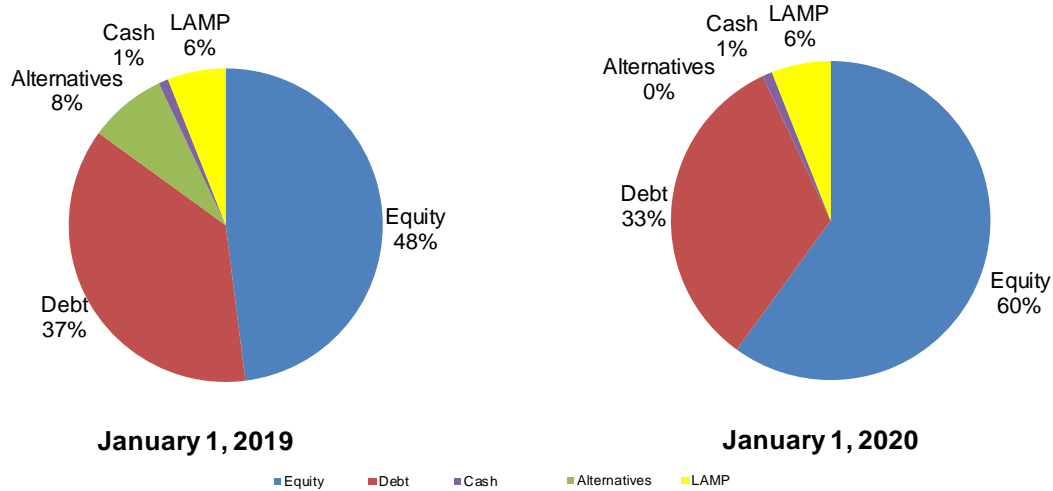
Investment Policy Targeted Asset Allocations			
Asset Class	Minimum Allocation	Target Allocation	Maximum Allocation
Equity Securities	0.0%	47.0%	65.0%
Debt Securities	31.5%	35.0%	38.5%
Alternatives ¹	0.0%	17.0%	21.0%
Cash	0.0%	1.0%	5.0%
Total	N/A	100.0%	N/A

¹ Real Estate/REITs and Hedge Funds.



The target asset allocation above should be reviewed periodically against actual asset allocations as shown below. Furthermore, from time to time the plan's investment policy itself should be reviewed to ensure that the objectives stated in the policy are consistent with the plan sponsor's investment goals and risk tolerance, particularly as the plan approaches the point at which the value of plan assets equals or exceeds PVFB.

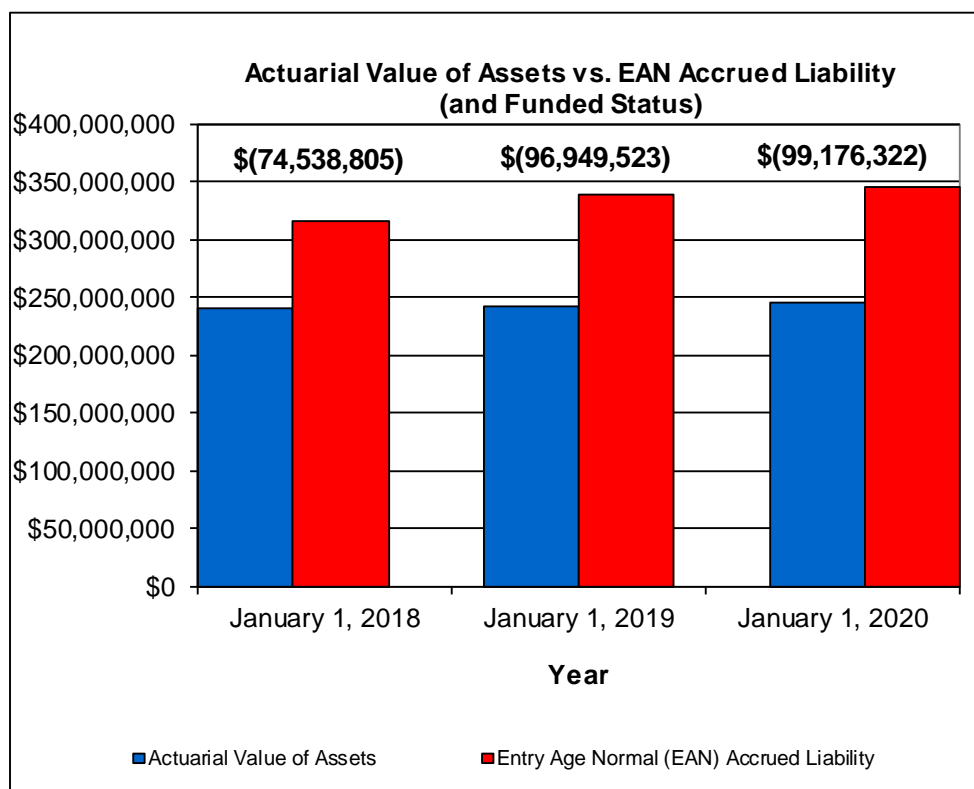
Asset Allocation as of Prior and Current Valuation Dates





D. Funded Status Based on Entry Age Normal Accrued Liability

The **Funded Status** compares a measure of a plan's liabilities to its assets. The graph below compares the Actuarial Value of Assets to the EAN Accrued Liability for each of the last three years. The corresponding Funded Status (or Unfunded Accrued Liability) is shown above each year's column.



E. Changes in Plan Provisions

This valuation reflects different plan provisions from those recognized in the prior valuation prepared for the plan. Prior to the amendment, 100% vesting occurred at the earlier of (a) the completion of 5 years of Credited Service or (b) the attainment of age 65. The plan was amended to remove condition (b) above, and effective August 21, 2019 100% vesting occurs only upon the completion of 5 years of Credited Service. This amendment had a negligible effect on the valuation as it only reduced the January 1, 2020 Actuarial Accrued Liability by approximately \$60,000 or 0.02%. Plan provisions are summarized in Section VI.

F. No Changes in Actuarial Assumptions

This valuation reflects identical actuarial assumptions to those recognized in the prior valuation prepared for the plan. Actuarial methods and assumptions are summarized in Section V.



G. Plan Maturity Measures

The following measures as of January 1, 2020 may help the employer assess the relative risks associated with a particular asset mix for the trust's portfolio, a particular funding policy, whether to consider or reconsider asset/liability matching for all or a portion of the portfolio, and other risks disclosed in the transmittal letter to this report.

Measure	Calculation	Result
1. Ratio of Retired Life Accrued Liability to Total Accrued Liability	$\frac{243,065,853}{345,617,426}$	70.3%
2. Ratio of Expected Annual Benefit Payments to Market Value of Assets	$\frac{29,417,913}{239,677,702}$	12.3%
3. Ratio of Expected Annual Benefit Payments to Expected Annual Contributions	$\frac{29,417,913}{12,694,504}$	231.7%
4. Duration of Accrued Liability ¹	$[1 - \frac{345,617,426}{353,539,673}] / (0.0025)$	9.0

¹ Modified duration of the plan's Accrued Liability (AL) estimated by examining the impact of a 25 basis point shift in discount rates on AL. We used the following formula for this purpose:

$$[1 - (\frac{AL_1}{AL_2})] / (i_1 - i_2)$$



Section III – Detailed Actuarial Valuation Results

A. Determination of Employer Contribution

	January 1, 2020	As a % of Payroll
1. Projected Participant Compensation for Current Plan Year	\$ 48,616,122	
2. Present Value of Future Benefits	\$ 376,211,770	
3. Accrued Liability	\$ 345,617,426	
4. Actuarial Value of Assets	\$ 246,441,104	
5. Unfunded Accrued Liability (UAL) (Item 3. – Item 4.)	\$ 99,176,322	
6. Present Value of Future Normal Costs (Item 2. – Item 3.)	\$ 30,594,344	
7. Normal Cost	\$ 4,795,762	9.865%
8. Total Funding Policy Annual Contribution		
a. Normal Cost ¹	\$ 4,947,747	
b. Level Dollar Amortization of UAL ²	<u>7,746,757</u>	
c. Total	\$ 12,694,504	26.112%
9. Employee Funding Policy Annual Contribution³ (Item 1. x 5%)	\$ 2,430,806	5.000%
10. Employer Funding Policy Annual Contribution (Item 8.c. – Item 9.)	\$ 10,263,698	21.112%

¹ Includes interest assuming monthly payments at the end of each month.

² Calculated using a 30-year amortization period and assuming monthly payments at the end of each month.

³ In accordance with Board Resolution R-248-2014, since the plan is not 100% funded, the Employer Contribution is determined assuming employees contribute 5% of Earnable Compensation. Actual employee contributions are 6% of Earnable Compensation.



B. Present Value of Accrued Benefits (PVAB)

The Present Value of Accrued Benefits (PVAB) only considers past service and past pay in the determination of the plan's liabilities. This cost method would not be as useful for determining the funding policy contribution since it does not consider the effect of future pay and service accruals on the plan's liabilities. However, the PVAB is useful in determining how the funded status of the plan is progressing relative to the current level of accrued benefits since it determines the present value of the plan benefits as if plan benefits were frozen on the valuation date.

1. PVAB as of January 1, 2020	\$ 321,019,096
2. Actuarial Value of Assets as of January 1, 2020	\$ 246,441,104
3. Funded Status of PVAB [Item 2. ÷ Item 1.]	76.77%



Section IV – Summary of Assets

A. Summary of Market Value of Assets as of January 1, 2020

1. Assets	
a. Cash equivalents	\$ 442,289
b. Receivables:	
i. Employee and Employer Contributions	\$ 401,557
ii. Due from broker for investments sold	0
iii. Investment income	37,385
iv. Due from other funds	343,344
v. Total receivables	\$ 782,286
c. Investments:	
i. Money Market	\$ 2,544,817
ii. LAMP	14,215,086
iii. Debt Securities	78,673,129
iv. Hedge Funds	0
v. Equities	144,197,695
vi. Total investments	\$239,630,727
d. Total assets	\$240,855,302
2. Liabilities	
a. Payables:	
i. Investment management fees	\$ 0
ii. Due to broker for investments purchased	0
iii. Due to other fund	(1,177,600)
b. Total liabilities	\$ (1,177,600)
3. Market Value of Assets as of January 1, 2020	\$239,677,702



B. Income Statement for Market Value of Assets

	2019
1. Additions	
a. Contributions:	
i. Employer	\$ 10,466,009
ii. Member	2,793,158
iii. City annuity and other transfers in	<u>337,103</u>
iv. Total contributions	\$ 13,596,270
b. Investment income:	
i. Net appreciation in market value of investments	\$ 32,715,180
ii. Interest income	95,423
iii. Dividend income	1,622,096
iv. Less investment expenses	<u>(769,908)</u>
v. Net investment income	\$ 33,662,791
c. Other	\$ 0
d. Total additions	\$ 47,259,061
2. Deductions	
a. Benefit payments including refunds of member contributions	\$ (22,861,142)
b. Administrative expenses	0
c. Other	<u>0</u>
d. Total deductions	\$ (22,861,142)
3. Net increase/(decrease) in Market Value	\$ 24,397,919
4. Market Value of Assets	
a. Beginning of Year	\$ 215,279,783
b. End of Year	\$ 239,677,702



C. Development of Actuarial Value of Assets

1. Calculation of Adjusted Market Value of Assets	01/01/14 - 01/01/20	01/01/15 – 01/01/20	01/01/16 – 01/01/20	01/01/17 – 01/01/20	01/01/18 – 01/01/20	01/01/19 – 01/01/20
a. Market Value of Assets (MVA) at beginning of period	\$ 234,358,049	\$ 236,556,671	\$ 222,427,527	\$ 224,356,261	\$ 235,284,317	\$ 215,279,783
b. Net cash flows	(63,581,334)	(54,425,214)	(44,440,211)	(33,799,344)	(21,401,127)	(9,264,872)
c. Expected investment return	<u>102,925,635</u>	<u>84,929,423</u>	<u>62,386,353</u>	<u>46,589,752</u>	<u>32,477,557</u>	<u>14,750,799</u>
d. Adjusted Market Value of Assets at end of period	\$ 273,702,350	\$ 267,060,880	\$ 240,373,669	\$237,146,669	\$ 246,360,747	\$ 220,765,710

2. Calculation of Actuarial Value of Assets	
a. Market Value of Assets as of January 1, 2020	\$ 239,677,702
b. Actuarial Value of Assets as of January 1, 2020 (Average of Items 1.d. and 2.a.)	\$ 246,441,104
c. Ratio of Actuarial Value of Assets to MVA (Item 2.b. ÷ Item 2.a.)	102.82%



Section V – Actuarial Methods and Assumptions

A. Actuarial Methods

1. Actuarial Funding Method

The Entry Age Normal actuarial funding method is used in determining the contribution requirements for the plan. The actuarial funding method is the procedure by which the actuary annually identifies a series of annual contributions which, along with current assets and future investment earnings, will fund the expected plan benefits. The Entry Age Normal funding method compares the excess of the present value of expected future plan benefits over the current value of plan assets. This difference represents the expected present value of current and future contributions that will be paid into the plan. The contributions are divided into two components: an annual normal cost (or current cost) and an amortization charge for the unfunded accrued liability.

The normal cost for the plan is the sum of individually determined normal costs for each active participant. Each active participant's normal cost is the current annual contribution in a series of annual contributions which, if made throughout the participant's total period of employment, would fund his expected benefits from the plan. Each participant's normal cost is calculated to be an annual constant percentage of his expected compensation in each year of employment.

The plan's current accrued liability is the excess of the present value of expected future benefits over the present value of all future remaining normal cost contributions of active participants.

2. Actuarial Value of Assets

Assets are valued at the average market value as reported by the trustee as of the valuation date, including any receivable contributions made for a prior plan year which were not recognized by the trustee as of the asset valuation date, and the adjusted market value of assets determined for the six immediately preceding valuation dates. The adjusted market value of assets for a prior valuation date is the market value of assets on that date, increased for contributions included in the plan's asset balance on the current valuation date that were not included in the plan's asset balance on the prior valuation date increased by assumed investment return at a rate of 7.00%, and reduced for benefits and administrative expenses paid from plan assets during the same period.

B. Actuarial Assumptions

1. Mortality: The active, vested terminated and retired participants of the plan are expected to exhibit mortality in accordance with the following published mortality tables:

- a. Pre-retirement Mortality: 1994 Uninsured Pensioner (UP-94) mortality table, projected to 2002 using Scale AA, gender distinct
- b. Post-retirement Mortality: 1994 Uninsured Pensioner (UP-94) mortality table, projected to 2002 using Scale AA, gender distinct



2. **Termination:** The active members are assumed to terminate their employment for causes other than death, disability or retirement in accordance with annual rates as illustrated below.

Rate of Decrement Due to Termination Per 100 Members	
Age	Rate
20	33.29
25	25.07
30	16.91
35	10.61
40	6.68
45	4.78
50	4.12
≥52	4.00

3. **Interest Rate:** 7.00% (net of expenses) per annum.
4. **Earnings Progression:** The increase in the levels of participant compensation is assumed to increase at an annual rate of 5.00%.
5. **Retirement Age:** It has been assumed that employees retire at the earliest age at which they would be eligible to retire (with reduced benefits, if applicable) except: (a) if the earliest age of retirement eligibility is prior to age 55 for eligibilities other than the "Rule of 80", the assumed age at retirement is the earliest age plus one year, or (b) if the earliest age of retirement eligibility occurs due to the "Rule of 80" eligibility, the assumed age at retirement is the earliest age plus three years.
6. **Disability:** Active members are expected to become disabled as defined under the plan in accordance with annual rates as illustrated below.

Annual Disability Retirement Rates Per 100 Members	
Age	Rate
20	0.11
30	0.11
40	0.30
50	1.11
55	1.90
60	3.45
65	5.10

7. **Recognition of IRC Benefit and Compensation Limitations:** The benefit limitations under IRC Sections 415(b) and 401(a)(17) have been reflected in the determination of plan costs, and these limits are assumed to increase at the annual rate of 2.50%.
8. **Cost of Living Increase:** Retirement and Survivor's Benefits are assumed to receive annual Cost of Living Increases at the capped level of 2.00% per year of the original retirement amount for all years after age 65.



9. ***Withdrawal of Employee Contributions:*** 20% of participants terminating with a vested right were assumed to withdraw their accumulated contributions upon termination, while 80% were assumed to retain their vested deferred benefits by leaving contributions on deposit.
10. ***Marital Status:*** 85% of participants are assumed to be married at the time of separation from service. Spouses are assumed to be the same age as the member.
11. ***Assumed Form of Payment:*** Upon separation from service for causes other than death, 100% of active participants are assumed to elect the normal form of payment.
- Surviving spouses of employees who separate from service due to death are assumed to commence payment in the normal form of annuity at the spouse's age 62.
- Dependent children of employees who separate from service due to death are assumed to receive a temporary annuity for a period of 7 years following the participant's death.
- Current deferred vested participants who terminated prior to August 1, 2012 are assumed to elect the normal form at age 62.
- Current deferred vested participants who terminated after July 31, 2012 are assumed to elect the normal form at age 65.
12. ***Interest on Employee Contributions:*** Accumulated employee contributions are credited with 2% interest compounded annually in accordance with the terms of the plan.



Section VI – Outline of Principal Plan Eligibility and Benefit Provisions

A. Identifying Data

1. Plan name: Employees' Retirement System of the Sewerage and Water Board of New Orleans
2. Type of plan: Defined Benefit Pension Plan
3. Plan sponsor: Sewerage and Water Board of New Orleans
4. Plan Year: January 1 - December 31
5. Employer: Sewerage and Water Board of New Orleans (the "Board")

B. Membership

1. An Employee enters the plan and becomes a Member on the first day he or she becomes an Employee.
2. An Employee:
 - a. includes any officer or other individual who the Personnel Department classifies as an Employee of the Board, but
 - b. excludes any individual who the Personnel Department classifies as an individual who regularly works less than 17.5 hours per week, a contract employee, a transient employee, a temporary employee (no matter how long the individual works with the Board), an emergency appointment, an independent contractor, or an employee of a contractor or independent contractor.
3. Membership ceases on:
 - a. separation from service, except if a terminated Member leaves his Accumulated Contributions on deposit and becomes an Inactive Member or if an Employee leaves the service of the Board to join the uniformed services and returns to the service of the Board within the applicable timeframe, or
 - b. the Employee enters the DROP program; however, Membership can resume under certain circumstances if the DROP Participant continues employment after the end of the DROP period and is rehired by the Board.
4. An Inactive Member is a Member who terminates employment with the Board and whose Accumulated Contributions remain on deposit in the Retirement System.

C. Contributions

1. Member: each Member shall contribute:
 - a. 4% of Earnable Compensation paid before January 1, 2013,



- b. 5% of Earnable Compensation after December 31, 2012 and before January 1, 2015, and
 - c. 6% of Earnable Compensation paid after December 31, 2014;
 - d. however, any Member who has accumulated 34 years, 4 months and 15 days of Credited Service shall cease contributions to the Retirement System;
 - e. Member contributions shall be accumulated with 2% Credited Interest compounded annually, where the sum of the contributions and credited interest is referred to as Accumulated Contributions.
2. Employer: The annual Total Contribution is actuarially determined amount expressed as a percentage of Earnable Compensation based on the Normal Cost and an amortization of the Unfunded Accrued Liability of the Retirement System; the Employer's Contribution percentage is equal to the Total Contribution percentage offset by the Employee Contribution percentage, where such Employee Contribution percentage shall be calculated as if the Employee Contribution percentage is 5% rather than its current level of 6% until the Retirement System is 100% funded (per Board Resolution R-248-2014)

D. Eligibility for Retirement

- 1. Normal Retirement: age 65 (first of month coincident with or next following)
- 2. Retirement Allowance Eligibility:
 - a. 30 or more years of Credited Service regardless of age, or
 - b. age 60 and Vested, or
 - c. age 65 and 5 or more years of Credited Service (effective January 1, 1996), or
 - d. age 70 regardless of the number of years of Credited Service, or
 - e. the sum of age and years of Credited Service is at least 80 years
- 3. Early Retirement Eligibility: must be eligible for Retirement Allowance, and:
 - a. Unreduced Early Retirement if:
 - 1) age 62, or
 - 2) 30 years of Credited Service, or
 - 3) the sum of age and years of Credited Service is at least 80 years
 - b. Reduced Early Retirement if:
 - 1) age 60 with less than 30 years of Credited Service, or
 - 2) age 60 but the sum of age and years of Credited Service is less than 80 years
- 4. Disability Retirement: 10 or more years of Credited Service and Pension Committee approves disability application



E. Retirement Benefit Monthly Amounts

1. Normal Retirement Allowance:

- a. 2.5% of the Member's Average Compensation times years of Credited Service up to 25 years, plus
- b. 4.0% of the Member's Average Compensation times years of Credited Service in excess of 25 years, where such total is subject to the limit described in (c.) below:
- c. In no event shall the total Retirement Allowance, including the supplemental Retirement Allowance earned following a rehired employment period, exceed 100% of a Member's Average Compensation.

2. Late Retirement:

Same formula as Normal Retirement Allowance.

3. Early Retirement:

If the Member is eligible for a Retirement Allowance and is age 62, or has 30 years of Credited Service, or their age plus years of Credited Service is at least 80 years then there is no reduction to the Retirement Allowance for early retirement.

If the Member is eligible for a Retirement Allowance but does not meet the above conditions for unreduced early retirement, then the Early Retirement Allowance is equal to the Retirement Allowance determined at the Early Retirement Date reduced 3% for each year his age at Early Retirement rounded to the nearest day precedes age 62.

See "Vested Termination Benefits" below for a summary of early commencement benefits for vested members who terminate prior to Early Retirement Eligibility.

4. Disability:

The Disability Retirement Allowance is equal to the greater of (a) and (b) offset by (c):

- a. A monthly annuity that is actuarially equivalent to the Member's Accumulated Contributions with interest at the time of retirement, or
- b. A monthly annuity based on 75% of the Member's Accrued Benefit determined by crediting the Disabled Member with years and days of Credited Service that would have been credited to the Member had the Member worked until age 62.
- c. The benefit provided above shall be offset by any worker's compensation benefits which the Member receives.

F. Normal Form of Monthly Payment

Life Annuity payable bi-weekly



G. Optional Forms of Payment

Other optional forms of payment are available that are actuarially equivalent to the Normal Form. Optional Retirement Allowance forms of payment include:

- Joint and X% Contingent Annuity^{1,2}, where X% is any multiple of 5% from Joint and 5% up to and including Joint and 100%
- Joint and X% Contingent Annuity^{1,3} with Pop-up, where X% is any multiple of 5% from Joint and 5% with Pop-up up to and including Joint and 100% with Pop-up

- ¹ Only available with the Member's Spouse as the Contingent Annuitant (i.e., non-spouse beneficiaries are not permitted).
- ² Reduces to the contingent survivor percentage only upon the death of the retiree (i.e., does not reduce if the contingent annuitant pre-deceases the retiree).
- ³ Reduces to the contingent survivor percentage only upon the death of the retiree. However, if the contingent annuitant pre-deceases the retiree, the retiree's monthly benefit pops-up to original amount of the Life Annuity.

H. Vested Termination Benefits

1. Vesting Schedule:

Years of Credited Service	Vesting Percent
Less than 5	0%
5 or more	100%

2. Non-Vested Terminations: A Member who terminates not Vested may remain an Inactive Member of the Retirement System for up to 5 years after the termination by not withdrawing his Accumulated Contributions. If the Inactive Participant does not become reemployed before the end of the 5-year period, the Retirement System will pay the Accumulated Contributions with interest.
3. Refund of Contributions for Vested Members: A member who terminates employment may elect to be paid the amount of Accumulated Contributions with interest. A Member who makes this election shall not be entitled to receive a Retirement Allowance, unless such Member is reemployed and repays the Accumulated Contributions plus additional interest accruals.
4. Separation Retirement Allowance for Vested Terminations:
 - a. Pre-August 1, 2012 Terminations: Any Vested Member who terminated employment before August 1, 2012, other than by Retirement, and before attaining age 60 who remained an Inactive Member by not withdrawing his Accumulated Contributions is entitled to receive a Retirement Allowance beginning on or after age 60 based on his Accrued Benefit at the time of termination subject to the pre-62 early retirement reductions.
 - b. Post-July 31, 2012 Terminations: Any Vested Member who terminated employment on or after August 1, 2012, other than by Retirement, and before attaining age 60 who remained an Inactive Member by not withdrawing his Accumulated Contributions is entitled to receive a Retirement Allowance beginning at age 65 based on the Accrued Benefit at the time of termination.



I. Pre-retirement Death Benefits

1. **Death While Eligible for Retirement:** If a Member dies while eligible to begin receiving a Retirement Allowance (whether or not actively at work at the time of death), then:
 - a. if the Member has a Spouse, the Spouse shall be entitled to elect and receive retirement benefits had the Member retired on the date he died and elected the Optional Allowance with the 100% continuation percentage to the Spouse. If the Spouse elects this benefit, then the Accumulated Contributions shall not be refunded.
 - b. If the member has Eligible Dependents but no Spouse, the Eligible Dependents shall have the option of selecting either:
 - i. 65% of the Disability Retirement Allowance which would have been payable had the Member Retired on Disability before his death payable until the last child ceases to be an Eligible Dependent, or
 - ii. 25% of the Member's Earnable Compensation for the last complete calendar year, plus the Member's Accumulated Contributions with interest.
2. **Death with 10 Years of Credited Service:** If the Member dies while he is still an Employee with at least 10 Years of Credited Service but before he is Eligible for a Retirement Allowance:
 - a. **Regular Spousal Benefit:** the Spouse, if any, is entitled to receive 80% of the Member's Accrued Benefit determined at death commencing at the later of, the Member's death or the Spouse's age 62, or
 - b. **Reduced Early Spousal Benefit:** if the Member dies before the Spouse attains age 62, in lieu of the Regular Spousal Benefit, the Spouse may elect the Actuarial Equivalent of the Member's Accrued Benefit at death commencing at any time after the Member's death.
 - c. **Spouse with Eligible Dependents:** If a Member dies before the Spouse reaches age 62 and there are Eligible Dependents, and the Spouse does not elect the Reduced Early Spousal Benefit, the Spouse may receive 65% of the Disability Retirement Allowance which would have been payable had the Member Retired on Disability before his death payable until the earliest of (i) the Spouse attains age 62, (ii) last child ceases to be an Eligible Dependent or (iii) the Spouse applies for or commences the Reduced Early Spousal Benefit.
 - d. **Eligible Dependents but no Spouse:** If there is no Spouse, the surviving Eligible Dependents shall have the option of selecting:
 - i. 65% of the Disability Retirement Allowance which would have been payable had the Member Retired on Disability before his death payable until the last child ceases to be an Eligible Dependent, or
 - ii. 25% of the Member's Earnable Compensation for the last complete calendar year, plus the Member's Accumulated Contributions with interest.



- e. **Disabled Spouse with No Eligible Dependents:** If the Member's Spouse is Disabled and there are no Eligible Dependents and if the Spouse does not elect to receive the Reduced Early Spousal Benefit, then 65% of the Disability Retirement Allowance which would have been payable had the Member Retired on Disability before his death will be payable to the Disabled Spouse until the Spouse attains age 62 or the Spouse applies for or commences the Reduced Early Spousal Benefit. If the Spouse is able to return to gainful employment this benefit shall be discontinued.
 - f. **No Spouse and No Eligible Dependents:** If there is no Spouse or Eligible Dependents, the Member's Beneficiary shall be entitled to receive 25% of the Member's Earnable Compensation for the last complete calendar year, plus the Member's Accumulated Contributions with interest.
- 3. **Death with 3 to 10 Years of Credited Service:** If the Member dies while he is still an Employee but before he is Eligible for a Retirement Allowance and the Member has at least 3 but less than 10 years of Credited Service, the Member's Beneficiary shall receive 25% of the Member's Earnable Compensation for the last complete calendar year, plus the Member's Accumulated Contributions with interest.
 - 4. **Death with less than 3 Years of Credited Service:** If the Member dies while he is still an Employee and with less than 3 years of Credited Service, the Member's Beneficiary shall receive a refund of the Member's Accumulated Contributions with interest.
 - 5. **Death while on Active Military Duty:** If the death occurs while on a granted leave of absence for the purpose of joining the armed forces, the death occurs during the performance of qualified military service, and the death occurs after January 1, 2007, the Employee's Spouse, Eligible Dependents and/or Beneficiary will be entitled to any death benefits that would be payable had the Employee resumed employment the day before his death. Furthermore, the qualified military service will be counted as additional years of Service for vesting but not for purposes of calculating his Accrued Benefit.
 - 6. **Death of Inactive Member Prior to Retirement Allowance Eligibility (whether or not Vested):** Accumulated Contributions with interest shall be paid to the Beneficiary of such an Inactive Member and no other benefits shall be payable.

J. Post-Retirement Death Benefits

- 1. **Regular Retiree (i.e., a retiree who did not retire under the Retirement System's Disability provisions):**
 - a. If a Retiree elected an Optional Allowance, then his spouse shall be entitled to receive continued payments based on the continuation percentage provided under the Optional Allowance elected.
 - b. If a Retiree is receiving a Life Annuity, then their Beneficiary shall only be entitled to receive the value of the Retiree's Accumulated Contributions at the time of Retirement less the value of the payments that the Retiree received before death. However, if such Retiree dies within 30 days of retirement and has a Spouse, then the Spouse shall be entitled to the death benefit payable to a Member who is Eligible for Retirement but has not yet retired.



2. Disabled Retiree (i.e., a retiree who retired under the Retirement System's Disability provisions)
- a. Regular Spousal Benefit: the Spouse is entitled to 80% of the Member's Disability Retirement Allowance commencing at the later of the Member's date of death or the Spouse's attainment of age 62.
 - b. Reduced Early Spousal Benefit: If the Spouse is under age 62 at the time of the Retiree's death, the Spouse can commence an amount that is actuarially equivalent to the Member's Accrued Benefit.
 - c. Spouse with Eligible Dependents: if the Disabled Retiree dies before the Spouse reaches age 62 and there are Eligible Dependents, and the Spouse does not elect to receive the Reduced Early Spousal Benefit, then 65% of the Disability Retirement Allowance will continue to the Spouse until the first of the following occurs: the last child ceases to be an Eligible Dependent, the Spouse attains age 62 or the Spouse commences or applies for the Reduced Early Spousal Benefit.
 - d. No Spouse but Eligible Dependents: if there is no Surviving Spouse, the surviving Eligible Dependents (or their legal representatives), if any, may select either:
 - i. The benefit provided to the Spouse with Eligible Dependents, or
 - ii. 25% of the Member's Earnable Compensation for the last complete calendar year, plus the Member's Accumulated Contributions with interest
 - e. Disabled Spouse with no Eligible Dependents: if the Disabled Member dies before the Spouse is age 62, the Spouse is Disabled, and there are no Eligible Dependents, then if the Spouse does not elect to receive the Reduced Early Spousal Benefit, 65% of the Disability Retirement Allowance will continue to the Spouse until the Spouse reaches age 62 or until the Spouse commences or applies to receive the Reduced Early Spousal Benefit.
 - f. Non-Disabled Spouse with No Eligible Dependents: in lieu of the other benefits available to the Surviving Spouse, the Spouse may elect to receive 25% of the Member's Earnable Compensation for the last complete calendar year, plus the Member's Accumulated Contributions with interest
 - g. No Spouse and No Eligible Dependents: if there is no Spouse or Eligible Dependents, the Member's Beneficiary shall be entitled to the Member's Accumulated Contributions with interest in excess of the Disability Retirement Allowance payments made to the Member prior to death.

K. Basis of Actuarial Equivalence

The 1971 Group Annuity Mortality Table using the Male Table for all Members and the Female Table for all Spouses/Beneficiaries, regardless of the actual sex of the Member or Spouse/Beneficiary, and an interest rate of 6.0%.



L. Cost-of-Living Adjustments

The Retirement Allowance for Members over age 65 shall be subject to a Cost-of-Living Adjustment (COLA) each January based on the 12-month change for CPI for Urban Wage Earners utilizing the prior August index; if the change in the CPI is negative or zero, then no COLA shall be given, otherwise if the CPI increase exceeds 2%, then the COLA shall be limited to 2%. The COLA is not compounded annually and is only applied to the first \$10,000 of a Member's original annual Retirement Allowance for periods after age 65. Adjustments for partial years of retirement after age 65 are prorated based on the actual number of days retired over age 65 during the 12-month period ending December 31.

COLAs shall also be applied to optional dependent benefits following the same rules beginning on the first day of the year after the dependent reaches age 65. However, Spouses receiving benefits following the death of a Disabled Retiree shall receive COLAs after the Spouse reaches age 62 rather than age 65 per Section 6.3(b)(1) of the Rules and Regulations.

M. Average Compensation

1. For an Employee who became eligible for Retirement on or before December 31, 2014, regardless of whether the Employee actually retires before or after December 31, 2014, the average of Earnable Compensation over 36 consecutive months of service during which Earnable Compensation was the highest.
2. For an Employee who became eligible for Retirement on or after January 1, 2015 and retires on or after January 1, 2015 and before January 1, 2017, the average of Earnable Compensation over 36 consecutive months of service during which Earnable Compensation was the highest.
3. For an Employee who became eligible for Retirement on or after January 1, 2015 and retires on or after January 1, 2017 but before January 1, 2018, the average of Earnable Compensation over 48 consecutive months of service during which Earnable Compensation was the highest.
4. For an Employee who became eligible for Retirement on or after January 1, 2015 and retires on or after January 1, 2018, the average of Earnable Compensation over 60 consecutive months of service during which Earnable Compensation was the highest.

N. Credited Service

1. Credited Service is granted for all service an Employee renders and on account of which all contributions have been made as required under the terms of the Retirement System. However, service while on leave without pay shall not count towards Credited Service, unless it is to perform service in the uniformed services (as further enumerated under the terms of the Retirement System) or unless it is compensable under workers compensation laws.
2. Unused Leave
 - a. Unused Sick Leave: A Member shall receive Credited Service for Unused Sick Leave on a proportional basis where one year of Credited Service is granted for



each 250 days of Unused Sick Leave. Such credit is used in computing the Retirement Allowance and can be used to satisfy eligibility requirements for Retirement benefits, except for the requirement to become Vested. In applying for a Retirement Allowance, a Member shall be required to use all of his Unused Sick Leave towards meeting the eligibility requirements of Credited Service component of Retirement Allowance condition of 80 years based on the sum of age and years of Credited Service.

- b. Unused Annual Leave: A Member shall receive Credited Service for Unused Annual Leave subject to a maximum of 111 days of unused leave provided the Member is Vested prior to including this service. Credit is granted on a proportional basis where one year of Credited Service is equivalent to 250 days of Unused Annual Leave. Such credit is used in computing the Retirement Allowance and can be used to satisfy eligibility requirements for Retirement benefits, except for the requirement to become Vested.

3. Purchase of Credited Service

- a. Military Service: A Member who has not yet Retired and has not yet elected to participate in the DROP program may purchase additional days of Credited Service up to 4 years for each day of Active Duty Military Service subject to the conditions outlined under the terms of the Retirement System, including the payment of missed contributions with interest during the time specified under the terms of the Retirement System. If the Member does not purchase the Credited Service within the required timeframe, the Member may still be eligible to purchase Credited Service provided the Member served in the Armed Forces and meets additional terms of the Retirement System.
- b. Transfers Between Retirement Systems: Pursuant to Louisiana Revised Statutes (La. R.S.) 11:141-43 to the extent it does not conflict with La. R.S. 11:3822, transfers of credits and funds between the Retirement System and any other retirement system authorized under these Transfer Statutes, including the Retirement System of the City of New Orleans, is permitted subject to the terms of the Retirement System.
- c. Repayment After Reemployment: A former Member, who previously received a distribution of his Accumulated Contributions, becomes reemployed for a period of at least 18 months may repay the Retirement System in a single lump sum the refund previously distributed plus interest at 7% compounded annually in order to have the entire period of Credited Service restored.
- d. Hurricane Katrina: Any Member placed on disaster leave by the Employer beginning October 1, 2005 due to Hurricane Katrina and who returned to work prior to April 1, 2006 may purchase days of Credited Service for the period from October 1, 2005 to the date the Member returned to full time employment but for a period no longer than the 6 months ending March 31, 2006. For each day of Credited Service purchased, the Member must contribute an amount equal to 4% of the Member's daily Base Pay as in effect on October 1, 2005 plus interest at 7% compounded annually from October 4, 2005 through the date of purchase.



All Credited Service shall be combined and rounded to the nearest full day for Retirement Allowance purposes.

O. Deferred Retirement Option Plan (DROP)

1. **Participation:** In lieu of terminating employment and receiving a Retirement Allowance, any Member who is Eligible for a Retirement Allowance may elect to participate in the DROP program by giving at least 90 days' notice in advance of commencing in the DROP program. The participant must elect the duration of participation for a period not to exceed 5 years. The Member shall be required to make the same type of elections as he would be required had he Retired and such elections shall be irrevocable.
2. **Benefits:** During the period of the DROP, the Member shall remain employed but his Average Compensation and Credited Service shall remain as they existed on the date of commencement in the DROP program, and no further Employee contributions shall be made. The participant's DROP account shall receive a Retirement Allowance based on any optional elections made, and without regard to any cost-of-living adjustments during the period of the DROP. (However, payments following the termination of participation in the DROP shall be subject to the cost-of-living adjustments under the normal terms of the Retirement System.) Each DROP participant's DROP account shall be credited the actual earnings earned on the DROP account as of the last day of each calendar month, where such earnings may be zero but may never be negative.
3. **Termination of Employment:** On termination of employment at the end of the specified DROP period (or for any reason before the end of the DROP period including Disability), the participant shall receive a lump sum equal to the balance of the DROP account. Furthermore, the participants Retirement Allowance shall commence in lieu of being deposited into the DROP account.
4. **Death:** If a DROP participant dies during the period of participation in the DROP, a lump sum payment equal to his DROP account balance shall be paid to his DROP Beneficiary. In addition, normal survivor benefits payable to Beneficiaries of retirees shall be payable.
5. **Reemployment:** A DROP participant may request to continue employment with the Board beyond his elected period of participation in the DROP program by reapplying with the Board. If the DROP participant is rehired by the Board, the DROP participant will receive a lump sum distribution of his DROP account balance as if he had retired. For DROP participants rehired on a full-time basis after April 20, 2005, the Retirement Allowance that had been paid into the DROP participant's DROP account shall be suspended while re-employed, and the provisions of Section 6.6 shall be applicable. For DROP participants rehired on a part-time basis after April 20, 2005, the Retirement Allowance that had been paid into the DROP participant's DROP account shall not be suspended while re-employed and will be paid to the participant as if he had not been rehired. For purposes of this provision, full-time employment shall be defined as working 17.5 hours or more per week. For purposes of this provision, part-time employment shall be defined as working less than 17.5 hours per week.



P. Worker's Compensation Offset

Any amounts paid or payable under the provisions of any worker's compensation statute or similar law to a Member or the dependents of a Member due to any accidental death or accidental disability shall be offset against and payable in lieu of any benefits payable by the Retirement System on account of any accidental disability or death provision, including any benefit paid under the unreduced early commencement provisions of the Retirement System. This offset shall not deprive a Member or his Beneficiary of a right to receive a refund of Accumulated Contributions.

Q. Earnable Compensation

The regular annual compensation paid to an Employee which shall not include on-call pay, stand-by pay, or over-time. For computing retirement benefits only, Earnable Compensation includes shift differential pay and longevity pay as part of an Employee's base pay.

Earnable Compensation shall be limited as required under Code section 401(a)(17); in general, for Plan Years beginning on or after January 1, 1996, Earnable Compensation shall be limited to \$150,000 adjusted annually in accordance with Code Section 401(a)(17), as applicable to governmental plans. The determination period is the calendar year. If the determination period includes a fraction of a calendar year, the annual compensation limit is the otherwise applicable annual limit multiplied by a fraction, the numerator of which is the number of months in the short year and the denominator of which is twelve.

Notwithstanding the above, for any Plan Year beginning after December 31, 2001, Earnable Compensation shall not exceed \$200,000 (adjusted for cost-of-living increases in accordance with Code Section 401(a)(17), as applicable to governmental plans.

R. Reemployment Provisions

1. Retirees: Any Retiree receiving a Retirement Allowance shall become a Member of the Retirement System again on re-employment.
 - a. Retirement Allowance Suspended: During re-employment, no Retirement Allowance payments will be made, but the vesting, the amount and the form of the prior Retirement Allowance will resume upon subsequent retirement in the same amount and form frozen at the original calculation.
 - b. Additional Benefit: Upon subsequent retirement, the Member shall be entitled to an additional separate Retirement Allowance based on additional years of Credited Service and Average Compensation during re-employment. The additional percentage of additional Retirement Allowance earned shall consider prior Credited Service earned during the original period of employment.
 - c. Death While Re-Employed: If a Member dies while re-employed, the Spouse shall be entitled to the Optional Allowance, if any, previously elected by the Member at original retirement, plus any additional benefits under the death benefit terms of the Retirement System based on the Member's Accumulated Contributions and Retirement Allowance earned since re-employment.



2. Other Re-employments

- a. If re-employed after attaining age 50 and period of non-employment is at least 2 years (5 years if employment was involuntarily terminated due to a Civil Service mandated layoff), then Retirement Allowance shall not exceed the sum of:
 - i. The benefit based on Credited Service and Average Compensation before re-employment (provided Accumulated Contributions previously distributed are repaid with interest, subject to the 18-month required period of re-employment applicable to other re-employments), and
 - ii. The benefit based on Credited Service and Average Compensation accrued after re-employment.
- b. If re-employed and do not meet the conditions outlined in (a.) immediately above, then:
 - i. if the Member did not previously receive a distribution of Accumulated Contributions, then the entire period of Credited Service is restored
 - ii. if the Member previously received a distribution of his Accumulated Contributions, becomes re-employed for a period of at least 18 months, the Member may repay the Accumulated Contributions previously distributed plus interest in order to have the entire period of Credited Service restored
 - iii. if the Member previously received a distribution of his Accumulated Contributions and does not repay the Retirement System the amount of the Accumulated Contributions with interest, then the benefits accrued will be based solely on Earnable Compensation and Credited Service accrued following the re-employment
- c. DROP Participants: See Item O.5. above.

S. Eligible Dependent

A dependent who is a child of a Member, either natural or adopted, and who is under age 18 (or age 25 if the child attends school full-time) or who is mentally or physically disabled, as determined by the Pension Committee in its sole discretion, provided such disability occurred before the date the child reached age 18.

T. Pension Supplement

For a closed group of former employees who were hired prior to 1996, a supplemental pension benefit (the Pension Supplement) is provided in addition to the Retirement Allowance from retirement to the earliest of death, attainment of age 65 or the member's receipt of their first Social Security check. This temporary Pension Supplement is only payable to the member and is not subject to the Optional Allowance. For retirees receiving this benefit and Vested Terminated members entitled to this benefit at a future retirement date, the Pension Supplement is based on the records of the employer.



Section VII – Summary of Participant Data

A. Participant Data Reconciliation

	Active Participants	Current Payment Status	Vested Terminated	Nonvested Terminated	Total
1. As of January 1, 2019	1,210	918	24	92	2,244
2. Change of status					
a. retirement	(4)	4	0	0	0
b. DROP retirement	(11)	11	0	0	0
c. disability	0	0	0	0	0
d. death	(1)	(20)	0	0	(21)
e. nonvested termination	(141)	0	0	141	0
f. vested termination	(25)	0	25	0	0
g. completion of payment	0	0	(12)	(92)	(104)
h. rehires	6	(4)	(1)	(1)	0
i. other	<u>0</u>	<u>0</u>	<u>4³</u>	<u>(4)³</u>	<u>0</u>
j. net changes	(176)	(9)	16	44	(125)
3. New participants	<u>151</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>151</u>
4. As of January 1, 2020	1,185	909 ¹	40	136 ²	2,270

¹ Includes 90 DROP participants whose DROP participation period had not expired as of January 1, 2020 and 34 DROP participants whose period of participation in the DROP has expired but whose DROP balance has not yet been paid as of the valuation date.

² Nonvested terminated members who had not received a refund of their employee contribution account balances as of January 1, 2020.

³ Correction for members that were listed as nonvested terminated last year, but were actually vested terminated.



B. Age/Service Headcount Table for Actives as of January 1, 2020

Current Age	Current Years of Service										Age Totals	Percent of Total
	$t < 1$	$1 \leq t < 5$	$5 \leq t < 10$	$10 \leq t < 15$	$15 \leq t < 20$	$20 \leq t < 25$	$25 \leq t < 30$	$30 \leq t < 35$	$35 \leq t < 40$	$40 \leq t$		
$x < 25$	26	24	1	0	0	0	0	0	0	0	51	4.30%
$25 \leq x < 30$	18	106	17	1	0	0	0	0	0	0	142	11.98%
$30 \leq x < 35$	16	106	54	15	1	0	0	0	0	0	192	16.21%
$35 \leq x < 40$	13	87	29	23	3	0	0	0	0	0	155	13.08%
$40 \leq x < 45$	13	67	22	12	10	5	1	0	0	0	130	10.97%
$45 \leq x < 50$	10	37	16	19	7	11	16	0	0	0	116	9.79%
$50 \leq x < 55$	8	45	18	16	9	21	23	8	3	1	152	12.83%
$55 \leq x < 60$	7	53	17	14	9	11	15	7	7	4	144	12.15%
$60 \leq x < 65$	2	22	16	11	4	4	3	8	2	4	76	6.41%
$65 \leq x < 70$	2	2	8	2	0	1	1	0	0	2	18	1.52%
$x \geq 70$	1	3	1	2	1	1	0	0	0	0	9	0.76%
Service Totals	116	552	199	115	44	54	59	23	12	11	1,185	100.00%
Percent of Total	9.79%	46.59%	16.79%	9.70%	3.71%	4.56%	4.98%	1.94%	1.01%	0.93%	100.00%	

Average Age: 42.98

Average Service: 8.055



C. Age/Service Average Pensionable Earnings Table for Actives as of January 1, 2020

Current Age	Current Years of Service										Row Averages	Percent of Total
	$t < 1$	$1 \leq t < 5$	$5 \leq t < 10$	$10 \leq t < 15$	$15 \leq t < 20$	$20 \leq t < 25$	$25 \leq t < 30$	$30 \leq t < 35$	$35 \leq t < 40$	$40 \leq t$		
$x < 25$	\$29,273	\$30,112	\$33,525	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$29,752	3.11%
$25 \leq x < 30$	33,949	33,027	37,409	31,117	0	0	0	0	0	0	33,655	9.78%
$30 \leq x < 35$	41,247	38,729	42,270	42,166	53,750	0	0	0	0	0	40,281	15.83%
$35 \leq x < 40$	41,875	36,703	44,595	45,314	49,898	0	0	0	0	0	40,147	12.74%
$40 \leq x < 45$	33,179	40,743	40,830	35,860	49,797	44,500	42,980	0	0	0	40,409	10.75%
$45 \leq x < 50$	34,191	36,665	36,436	38,668	50,925	45,337	61,857	0	0	0	41,906	9.95%
$50 \leq x < 55$	25,887	36,319	37,068	42,263	61,950	49,752	52,579	46,544	67,265	40,897	43,497	13.53%
$55 \leq x < 60$	61,826	43,311	39,429	41,359	40,995	39,551	53,489	59,014	50,578	46,260	45,390	13.38%
$60 \leq x < 65$	102,622	57,643	35,827	35,161	50,819	43,115	66,972	50,695	38,320	74,439	49,868	7.76%
$65 \leq x < 70$	117,821	35,989	40,183	60,695	0	66,389	53,087	0	0	47,782	53,639	1.98%
$x \geq 70$	101,281	76,539	54,422	38,906	69,771	46,306	0	0	0	0	64,357	1.19%
Column Averages	\$39,067	\$38,239	\$40,267	\$40,974	\$51,305	\$46,041	\$55,904	\$51,783	\$52,707	\$56,296	\$41,223	100.00%
Percent of Total	9.28%	43.21%	16.40%	9.65%	4.62%	5.09%	6.75%	2.44%	1.29%	1.27%	100.00%	

Average Annual Payrate: \$41,223



D. Summary of Vested Terminated Participants as of January 1, 2020

Age	Count	Sum of Monthly Benefits	Average Monthly Benefits
$x < 35$	4	\$ 2,568	\$ 642
$35 \leq x < 40$	7	4,528	\$ 647
$40 \leq x < 45$	1	1,662	\$ 1,662
$45 \leq x < 50$	4	4,320	\$ 1,080
$50 \leq x < 55$	6	8,458	\$ 1,410
$55 \leq x < 60$	10	12,692	\$ 1,269
$60 \leq x < 65$	6	6,456	\$ 1,076
$x \geq 65$	2	1,484	\$ 742
Total	40	\$ 42,168	\$ 1,054

E. Summary of Nonvested Terminated Participants as of January 1, 2020

Count ¹	Sum of Employee Contribution Account Balances	Average of Employee Contribution Account Balances
136	\$ 237,291	\$ 1,745

¹ Sewerage and Water Board of New Orleans did not provide dates of birth for Nonvested Terminated Employees. However, date of birth is not needed for the valuation since the plan liability for these individuals is equal to their employee contribution account balances.



F. Summary of Retirees and Beneficiaries as of January 1, 2020

Age	Count	Sum of Monthly Benefits	Average Monthly Benefits
$x < 45$	4	\$ 4,886	\$ 1,222
$45 \leq x < 50$	4	7,596	\$ 1,899
$50 \leq x < 55$	18	57,003	\$ 3,167
$55 \leq x < 60$	96	286,865	\$ 2,988
$60 \leq x < 65$	192	468,353	\$ 2,439
$65 \leq x < 70$	236	500,437	\$ 2,120
$70 \leq x < 75$	164	314,301	\$ 1,916
$75 \leq x < 80$	97	174,211	\$ 1,796
$80 \leq x < 85$	54	73,410	\$ 1,359
$85 \leq x < 90$	30	36,817	\$ 1,227
$90 \leq x < 95$	12	12,434	\$ 1,036
$95 \leq x$	2	2,158	\$ 1,079
Total	909	\$ 1,938,471	\$ 2,133



Section VIII – Glossary of Actuarial Terms

Accrued Liability	This is computed differently under different actuarial cost methods. Generally, the Accrued Liability represents the portion of the Present Value of Future Benefits attributed to periods of service preceding the valuation date.
Actuarial Gain (Loss)	A measure of the difference between actual experience and that expected based on the actuarial assumptions during the period between two actuarial valuation dates, as determined in accordance with the particular actuarial cost method used.
Actuarial Value of Assets	The value of Plan Assets used by an actuary for an actuarial valuation. <i>(See the Actuarial Methods and Assumptions section of this report for a description of the methodology used to determine the Actuarial Value of Assets used in this report.)</i>
Entry Age Normal Actuarial Cost Method	An actuarial cost method under which the Present Value of Future Benefits of each individual included in an actuarial valuation is allocated on a level basis over the earnings or service of the individual between entry age and assumed exit ages. The portion of this actuarial present value allocated to the year of service during the valuation year is called the Normal Cost. The portion of this present value not provided for at a valuation date by the Present Value of Future Normal Costs is called the Accrued Liability.
Normal Cost	Computed differently under different actuarial cost methods, the Normal Cost generally represents the portion of the Actuarial Present Value of Future Benefits attributed to the current year of service for active employees.
Present Value of Accrued Benefits	The actuarial present value of all accrued benefits (i.e., all benefits attributed by the pension benefit formula to employee service and compensation rendered prior to the valuation date).
Present Value of Future Benefits	Future benefits include all benefits estimated to be payable to plan members (retirees and beneficiaries, terminated employees entitled to benefits but not yet receiving them, and current active members) as a result of their service through the valuation date and their expected future service. The actuarial Present Value of Future Benefits as of the valuation date is the present value of the cost to finance benefits payable in the future, discounted to reflect the expected effects of the time value (present value) of money and the probabilities of payment.
Present Value of Future Normal Costs	The difference between the Present Value of Future Benefits and the Accrued Liability under a given actuarial cost method.
Unfunded Accrued Liability	The excess, if any, of the Accrued Liability over the Actuarial Value of Assets.

**Project Delivery Unit
October 2020 Closeout Snapshot**

FEMA Public Assistance	# of Project Worksheets	FEMA Obligated	FEMA Revenue Received per LAPA	FEMA Obligation Balance	% Financially Complete	# of Projects Submitted for Closeout	OBLIGATED Value of Projects Submitted for Closeout	POTENTIAL Value of Projects Submitted to Closeout	# of Projects Officially Closed	OBLIGATED Value of Projects Officially Closed	% Submitted	% Closed	# of Projects Submitted but Not Officially Closed	OBLIGATED Value of Projects Submitted but Not Officially Closed
Hurricane Katrina - St. Joseph Headquarters	20	\$ 3,337,110.14	\$ 3,032,390.41	\$ 304,719.73	91%	19	\$ 2,236,513.15	\$ 2,236,513.15	19	\$ 2,236,513.15	95%	95%	0	\$ -
Hurricane Katrina - Central Yard	42	\$ 27,734,255.70	\$ 26,158,109.94	\$ 1,576,145.76	94%	42	\$ 27,734,255.70	\$ 27,427,104.70	32	\$ 22,025,919.44	100%	76%	10	\$ 5,708,336.26
Hurricane Katrina - Wastewater Treatment Plant	128	\$ 90,803,270.37	\$ 82,873,802.34	\$ 7,929,468.03	91%	127	\$ 83,765,860.77	\$ 80,355,483.77	120	\$ 38,257,447.07	99%	94%	7	\$ 45,508,413.70
Hurricane Katrina - Carrollton Water Plant	55	\$ 76,019,829.37	\$ 66,324,093.04	\$ 9,695,736.33	87%	54	\$ 64,304,777.65	\$ 64,211,524.10	51	\$ 13,730,451.46	98%	93%	3	\$ 50,574,326.19
Hurricane Katrina - Distribution Network	27	\$ 196,982,528.55	\$ 162,723,466.54	\$ 34,259,062.01	83%	25	\$ 116,490,014.08	\$ 120,481,931.60	18	\$ 30,028,021.61	93%	67%	7	\$ 86,461,992.47
Hurricane Katrina - Pump Stations	166	\$ 81,286,159.38	\$ 72,165,651.77	\$ 9,120,507.61	89%	159	\$ 78,655,405.97	\$ 80,169,077.46	143	\$ 58,844,680.54	96%	86%	16	\$ 19,810,725.43
Hurricane Gustav	9	\$ 667,553.90	\$ 668,689.06	\$ (1,135.16)	100%	9	\$ 667,553.90	\$ 667,553.90	8	\$ 665,778.64	100%	89%	1	\$ 1,775.26
Hurricane Isaac	8	\$ 1,554,775.01	\$ 955,019.44	\$ 599,755.57	61%	7	\$ 1,554,775.01	\$ 67,467.45	2	\$ 7,391.29	88%	25%	5	\$ 1,547,383.72
Tropical Storm Nate	2	\$ 439,728.39	\$ 80,519.47	\$ 359,208.92	18%	2	\$ 439,728.39	\$ -	1	\$ 20,939.45	100%	50%	1	\$ 418,788.94
Hurricane Barry	2	\$ 947,134.10	\$ -	\$ 947,134.10	0%	0	\$ -	\$ -	0	\$ -	0%	0%	0	\$ -
Total	459	\$ 479,772,344.91	\$ 414,981,742.01	\$ 64,790,602.90	86%	444	\$ 375,848,884.62	\$ 375,616,656.13	394	\$ 165,817,142.65	97%	86%	50	\$ 210,031,741.97

FEMA Joint Infrastructure	# of Project Worksheets	FEMA Obligated	FEMA Revenue Received per LAPA	FEMA Obligation Balance	% Financially Complete	# of Projects Submitted for Closeout	OBLIGATED Value of Projects Submitted for Closeout	POTENTIAL Value of Projects Submitted to Closeout	# of Projects Officially Closed	OBLIGATED Value of Projects Officially Closed	% Submitted	% Closed	# of Projects Submitted but Not Officially Closed	OBLIGATED Value of Projects Submitted but Not Officially Closed
Hurricane Katrina - JIRR settlement	2	\$ 268,448,968.15	\$ 5,353,880.43	\$ 263,095,087.72	2%	0	\$ -	\$ -	0	\$ -	0%	0%	0	\$ -
Hurricane Katrina - JIRR Donors	53	\$ 67,564,903.11	\$ 54,518,259.69	\$ 13,046,643.42	81%	38	\$ 46,771,694.95	\$ 49,958,000.16	5	\$ 240,117.50	72%	0%	33	\$ 46,531,577.45
Total	55	\$ 336,013,871.26	\$ 59,872,140.12	\$ 276,141,731.14	18%	38	\$ 46,771,694.95	\$ 49,958,000.16	5	\$ 240,117.50	69%	9%	33	\$ 46,531,577.45

FEMA Hazard Mitigation Grant Program	# of Contracts	FEMA Obligated	FEMA Revenue Received per LAHM	FEMA Obligation Balance	% Financially Complete	# of Contracts Completed	OBLIGATED Value of Projects Submitted for Closeout	POTENTIAL Value of Projects Submitted to Closeout	# of Projects Officially Closed	OBLIGATED Value of Projects Officially Closed	% Submitted	% Closed	# of Projects Submitted but Not Officially Closed	OBLIGATED Value of Projects Submitted but Not Officially Closed
Hurricane Katrina - Retrofit of Power House	14	\$ 212,649,796.00	\$ 111,297,718.90	\$ 101,352,077.10	52%	5	\$ -	\$ -	0	\$ -	0%	0%	0	\$ -
Hurricane Katrina - Flood Mitigation of 9 SPS	9	\$ 19,987,722.00	\$ 19,299,825.10	\$ 687,896.90	97%	9	\$ -	\$ -	0	\$ -	0%	0%	0	\$ -
Hurricane Ike - Five Underpass Generators	1	\$ 988,658.00	\$ 839,129.23	\$ 149,528.77	85%	0	\$ -	\$ -	0	\$ -	0%	0%	0	\$ -
Total	24	\$ 233,626,176.00	\$ 131,436,673.23	\$ 102,189,502.77	56%	14	\$ -	\$ -	0	\$ -	58%	0%	0	\$ -

TOTALS as of 09.29.2020			FEMA Obligated	FEMA Revenue Received	FEMA Obligation Balance
			\$ 1,049,412,392.17	\$ 606,290,555.36	\$ 443,121,836.81



SEWERAGE AND WATER BOARD

Inter-Office Memorandum

Date: November 2, 2020

To: Ghassan Korban, Executive Director

Thru: Irma Plummer, EDBP Director



From: Lyria Hicks, EDBP Compliance Officer

Re: EDBP Department Summary – October 2020

ANALYSES CONDUCTED BY EDBP

For the month of October 2020, the EDBP Department did not receive any Goods and Services contracts to review.

For the month of October 2020, the EDBP Department did not receive any Professional Services contracts to review.

For the month of October 2020, the EDBP Department did not receive any Construction contracts to review.

CONSTRUCTION REVIEW COMMITTEE RECOMMENDATIONS

The Contract Review Committee convened on Thursday, October 8, 2020, and made the following recommendations:

- | | |
|--------------------|--|
| 1) | Contract #1407: Sycamore Filter Gallery Rehabilitation of Filters |
| Budget Amount: | \$2,795,800.00 |
| Renewal Option(s): | N/A |
| Recommended | 20% |
| Percentage Goal: | |
| Justification: | N/A |
|
2) |
Contract #TM002: St. Bernard Transmission Main Project |
| Budget Amount: | \$1,348,766.50 |
| Renewal Option(s): | N/A |
| Recommended | 26% |
| Percentage Goal: | |
| Justification: | N/A |

INFORMATION ITEMS

PROJECTS	CONTRACTOR	BUDGET AMOUNT	CONTRACT EXECUTED	GOAL
1. Contract #1414: HMGP Purchase of New Static Frequency Changer	N/A	\$12,000,000.00	N/A	0%
By authority given by Resolution 107-2000, EDBP has attributed a DBE subcontracting goal to this emergency contract.				
2. CV 20-0011: Turbine 5 Metal Stack and Duct Demolition and Asbestos Abatement	Alfred Conhagen Inc. of Louisiana	\$273,804.00	N/A	10%
By authority given by Resolution 107-2000, EDBP has attributed a DBE subcontracting goal to this emergency contract.				
3. Turbine 5 Controls Upgrades	Baker Hughes/Nexus	\$1,496,919.00	Executed October 27, 2020	10%
By authority given by Resolution 107-2000, EDBP has attributed a DBE subcontracting goal to this emergency contract.				

STAFF CONTRACT REVIEW COMMITTEE RECOMMENDATIONS

The Staff Contract Review Committee convened on Thursday, October 8, 2020, and made the following recommendations:

OPEN MARKET CONTRACTS

- 1) **RFP: Request for Furnishing Armored Care Services**
- Budget Amount: \$19,000.00
- Renewal Option(s): One (1) year with four (4) one (1) year renewal options
- Recommended: 0%
- Percentage Goal:
- Justification: Does not lend itself to subcontracting opportunities.

RENEWAL CONTRACTS

1) Request for Furnishing Aerosol, Janitorial, & Industrial Chemicals

Budget Amount:	\$350,000.00
Amount Spent:	\$182,437.00
Renewal Term(s):	First of two (2) renewal options
Renewal Cost:	\$350,000.00
Recommended	30%
Percentage Goal:	
Percentage Goal	30.62%
Achieved:	
Prime Contractor:	Southeast Safety & Supply

2) Request for Furnishing Rubber Hip Boots & Knee Boots

Budget Amount:	\$220,784.00
Amount Spent:	\$189,336.00
Renewal Term(s):	First of two (2) renewal options
Renewal Cost:	\$220,784.00
Recommended	30%
Percentage Goal:	
Percentage Goal	30.44%
Achieved:	
Prime Contractor:	Southeast Safety & Supply

CONSTRUCTION RENEWAL CONTRACTS with DBE PARTICIPATION

There were no projects with a DBE Participation Goal to review for the month of October 2020.

FINAL ACCEPTANCE CONTRACTS with DBE PARTICIPATION

There were no final acceptance construction contracts with a DBE participation goal to review for the month of October 2020.

SEWERAGE & WATER BOARD OF NEW ORLEANS CONTRACTS WITH DBE PARTICIPATION FOR OCTOBER 2020

There was one (1) contract with DBE participation awarded for the month of October 2020.

Sewerage & Water Board New Orleans Awarded Projects with SLDBE Participation January 2020 - October 2020

Category	Category Dollar Amount	SLDBE Dollar Value
Construction Projects	\$ 38,392,749	\$ 13,923,050
Goods & Services Projects	\$ 277,257	\$ 49,041
Professional Services Projects	\$ 3,019,825	\$ 19,800
Grand Total	\$ 41,689,831	\$ 13,991,891

Sewerage & Water Board of New Orleans Open Market Bids with DBE Participation January 2020 - October 2020

Construction Projects Awarded 2020

Contract No./Description	%DBE Goal	Contract \$	Prime	Sub(s)	% DBE Part (Prime)	\$ Sub Award	\$ Sub Paid	% DBE Sub Paid	Award date
Cont #1370A: 60Hz Transformer/Switchgear	20%	\$ 11,746,364.00	Walter J. Barnes	C. Watson Group	16.99%	\$ 1,995,132.00			2/19/2020
				Marrero, Couvillion, & Associates	3.29%	\$ 387,010.00			
				Balthazar Elektriks Wholesale Distributors	5.91%	\$ 693,720.00			
				Total	26.19%	\$ 3,075,862.00			
Cont #30223: Southern Basin #4-Sewer Rehabilitation	36%	\$ 4,786,566.00	BLD Services, LLC	Choice Supply Solutions, LLC	6.02%	\$ 288,000.00			2/19/2020
				Advantage Manhole & Concrete Services, Inc.	2.84%	\$ 136,000.00			
				C&M Construction Group, Inc.	22.48%	\$ 1,076,000.00			
				Prince Dump Truck Service, LLC	4.68%	\$ 224,000.00			
				Total	36.02%	\$ 1,724,000.00			
Cont #30213: Southern Basin #1-Sewer Rehabilitation	36%	\$ 1,584,847.24	Grady Crawford Construction Co., Inc. of Baton Rouge	V. Keeler & Associates	3.37%	\$ 53,452.19			4/22/2020
				Commander Corporation	30.42%	\$ 482,185.18			
				Dieudonne Enterprises	1.87%	\$ 29,672.00			
				EFT Diversified	3.44%	\$ 54,466.46			
				Total	39.11%	\$ 619,775.83			

Contract No./Description	%DBE Goal	Contract \$	Prime	Sub(s)	% DBE Part (Prime)	\$ Sub Award	\$ Sub Paid	% DBE Sub Paid	Award date
Cont #30222: Southern Basin #3-Sewer Rehabilitation	36%	\$ 1,977,879.20	Grady Crawford Construction Co., Inc. of Baton Rouge	V. Keeler & Associates	5.24%	\$ 103,683.24			4/22/2020
				Commander Corporation	24.54%	\$ 485,469.60			
				Dieudonne Enterprises	1.91%	\$ 37,832.00			
				EFT Diversified	4.35%	\$ 86,000.00			
				Total	36.05%	\$ 712,984.84			
Cont #30224: Southern Basin #5-Sewer Rehabilitation	36%	\$ 4,576,947.00	BLD Services, LLC	Choice Supply Solutions, LLC	5.72%	\$ 262,000.00			4/22/2020
				Advantage Manhole & Concrete Services, Inc.	3.80%	\$ 174,000.00			
				C&M Construction Group, Inc.	21.80%	\$ 998,000.00			
				Prince Dump Truck Service, LLC	4.72%	\$ 216,000.00			
				Total	36.05%	\$ 1,650,000.00			
Cont #8164: Skilled and Unskilled Maintenance for Labor	30%	\$ 4,861,156.00	JEI Solutions	Clays Construction Group, LLC	9.12%	\$ 443,100.00			4/22/2020
				Jaes Plumbing & Construction LLC	9.04%	\$ 439,236.00			
				Perc Enterprises, Inc.	11.88%	\$ 577,500.00			
				Total	30.03%	\$ 1,459,836.00			
Cont #2143: Water Main Line Replacements and Extensions at Scattered Locations throughout Orleans Parish	36%	\$ 1,621,000.00	Infinity Construction and Trucking	Gentilly Debris Removal					8/19/2020
					36.05%	\$ 584,300.00			

Contract No./Description	%DBE Goal	Contract \$	Prime	Sub(s)	% DBE Part (Prime)	\$ Sub Award	\$ Sub Paid	% DBE Sub Paid	Award date
Cont #1403: Demolition of Abandoned C-7 & C-8 Basins and Other Site Improvements at the Carrollton Water Treatment Plant	36%	\$ 7,569,394.00	Cycle Construction Co.	Three C's Properties, Inc.	32.19%	\$ 2,436,533.00			9/24/2020
				Twin Shores Landscaping and Construction Services, Inc.	7.27%	\$ 550,000.00			
				Total	39.46%	\$ 2,986,533.00			

Sewerage & Water Board of New Orleans Open Market Bids with DBE Participation January 2020 - October 2020

Goods & Services Projects Awarded 2020

Contract No./Description	%DBE Goal	Contract \$	Prime	Sub(s)	% DBE Part (Prime)	\$ Sub Award	\$ Sub Paid	% DBE Sub Paid	Award date
YW20-0006 Furnishing Safety Supplies	30%	\$140,670.00	Southeast Safety & Supply	Corporate Buisness Supplies	30%	\$42,201.00	\$42,201.00	30%	6/23/2020
YW20-0013 Furnishing Hoses and Accessories	5%	\$136,586.55	Atlas Hose & Gasket Co.	Next Generation Logistics	5%	\$6,839.93	\$6,839.93	5%	9/2/2020

Total Goods & Services Projects		\$277,256.55			35%	\$49,040.93	\$49,040.93		
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Sewerage & Water Board of New Orleans Open Market Bids with DBE Participation January 2020 - October 2020

Professional Services Projects Awarded 2020

Contract No./Description	%DBE Goal	Contract \$	Prime	Sub(s)	% DBE Part (Prime)	\$ Sub Award	\$ Sub Paid	% DBE Sub Paid	Award date
Master Professional Service Agreement	35%	\$197,500.00	Lotus Insurance Solutions	F.W. Insurance Services, LLC	35.00%				4/1/2020
Master Professional Service Agreement	35%	\$428,770.00	Jacobs Engineering Group, Inc.	Intergrated Logistical Support, Inc. (ILSI); Infinity Engineering Consultants, LLC	35.00%				6/2/2020
Professional Services Agreement	36%	\$830,000.00	PFM Group Consulting, LLC	Pending submission of DBE Participation Summary Sheet	36%				7/30/2020
Engineering Services for Power Frequency Converter at Carrollton Water Plant	35%	Dependent on Option: 1) 608,165.00 2) \$640,122.00 3)	Jacobs Engineering Group, Inc.	Pending submission of DBE Participation Summary Sheet	35%				9/2/2020
Insurance Broker Services		\$49,500.00	Eagan Insurance Agency, LLC	F.W. Insurance Services, LLC	35%	\$19,800.00			9/30/2020
Operation Controls System for Turbine 5 at Carrollton Water Plant		\$1,514,055.00	Nexus Controls, LLC		10.00%				10/27/2020
Total Professional Services Projects	35%	\$3,019,825.00			31%	\$19,800.00			