

SEWERAGE & WATER BOARD OF NEW ORLEANS

FINANCE AND ADMINISTRATION COMMITTEE MEETING

WEDNESDAY, NOVEMBER 7, 2018

9:00 AM

6 2 5 S T . J O S E P H S T R E E T

2 ^{N D} F L O O R B O A R D R O O M

Lynes Sloss, Chair • Ralph Johnson • Eileen Gleason

• Dr. Tamika Duplessis • Alejandra Guzman

FINAL AGENDA

ROLL CALL

APPROVAL OF COMMITTEE MINUTES (Dated October 10, 2018)

EXECUTIVE SESSION*

Ralph Neagle v SWB, OWC #15-07642

ACTION ITEMS

1. General Superintendent's Report- Final Acceptance
Bid Recommendations
 - a. Resolution (R-148-2018) Bid Recommendation-Furnishing Liquid Ferric Sulfate to Algiers Water Plant
 - b. Resolution (R-176-2018) Bid Recommendation-Furnishing Standard 4" and 5" Fire Hydrants with Mc Gard Anti-Tampering Device
 - c. Resolution (R-175-2018) Bid Recommendation-Repaving of Open Cuts in Street
2. Contract Final Acceptance
 - d. Resolution (R-149-2018) DPS 11 Clearing Debris from Suction Basin/ Screens
 - e. Resolution (R-150-2018) Emergency Diving Services
 - f. Resolution (R-131-2018) Effluent Pump House Electrical Improvements at the East Bank Waste Water Treatment Plant
 - g. Resolution (R-174-2018) Asbestos Testing and Abatement- Turbine #5
 - h. Resolution (R-172-2018) Turbine #4 Low Resistance Grounding Unit Voltage
 - i. Resolution (R-173-2018) Turbine #6 Fire Suppression Sensors System
3. Other Contracts and Closeouts
 - j. Resolution (R-178-2018) CH2M/Jacobs Amendment No. 6 relative to HMGP/HRWRP through December 31, 2018
 - k. Resolution (R-170-2018) Municipal Water Pollution Prevention Audit West Bank Waste Water Treatment Plant
 - l. Resolution (R-171-2018) Municipal Water Pollution Prevention Audit East Bank Waste Water Treatment Plant

4. Chief Financial Officer Report
 - m. Resolution (R-165-2018) Ratification of Professional Services Agreement with Utiliworks for Quality Assurance/ Quality Control Review
 - n. Resolution (R-166-2018) Approval of Professional Services Agreement with Raftelis Financial, Inc. for Settlement Billing
 - o. Resolution (R-177-2018) Approval of Amendment No. 2 for Professional Services Agreement with Richard CPAS, LLC for Audit Support Services
 - p. Resolution (R-179-2018) Approval of Amendment No. 1 for Professional Services Agreement with Raftelis Financial Consultants, Inc. for Bond Feasibility Study

PRESENTATION ITEMS

5. Finance Results through September 2018
6. Update on External Audit
7. 2019 Operating and Maintenance Report and Capital Budget Update

INFORMATION ITEMS

8. FEMA October Project Worksheet Status
9. DBE Participation on Contracts
 - Bid Recommendations
 - Construction Review Committee
 - Staff Contract Review Committee
 - Final Acceptance of Construction Contracts with DBE Participation
 - First and Final Acceptance Contracts with DBE Participation
10. Executive Director's Approval of Contracts \$1,000,000.00 or less

PUBLIC COMMENT **

ADJOURNMENT

*The committee reserves the right to enter into Executive Session pursuant to Louisiana statute (LA. R.S. 42.6; 42:6.1).

** Comments will be limited to three minutes. Speakers must fill out a comment card with printed name and address prior to speaking.

BOARD OF DIRECTORS' MEETING

October 17, 2018

MEETING MINUTES

SEWERAGE AND WATER BOARD OF NEW ORLEANS

ROLL CALL

The Board of Directors of the Sewerage and Water Board of New Orleans (SWBNO) met on Wednesday, October 17, 2018 at 9:04 AM in the Board Room at 625 St. Joseph Street. Deputy Special Counsel, Ms. Yolanda Grinstead, called the roll and confirmed the following members were present: Director Andrew Amacker, Director Joseph Peychaud, Director Alejandra Guzman, Director Lewis Stirling, III, Director Lynes Sloss, Director Dr. Tamika Duplessis, Director Robin Barnes, Director Nicole Barnes, and Hon. LaToya Cantrell.

The following member(s) were absent: Director Ralph Johnson, Director Eileen Gleason

Also present were: Ms. Geneva Coleman, The Hawthorne Agency, Inc.; Mr. Randy Smith, Royal Engineers; Ms. Brenda Thorton, Communirep; Rev. Dr. Ernest Marcelle, Jr., Rev. William Barnwell, Rev. Gregory Manning, Ms. Sylvia McKenzie, Mr. Pat Bryant, Justice and Beyond; Mr. Russell Kelly, ATCO Services, LLC; Mr. Joseph Sensebe, Mr. Robert Turner, PE, I-Team; Ms. Rita Lagrand, Lakeview; Mr. Lloyd Lazard; Mr. Jason Anders, Plant N Power, LLC; Mr. Kerry Nix, The Lens; Ms. Bambi Hall, GEC.

Staff present were: Mr. Ghassan Korban, Executive Director; Mr. Bruce Adams, Interim General Superintendent; Ms. Yvette Downs, Chief Financial Officer; Mr. Richard Rainey, Deputy Director, Communications; Ms. Rosita Thomas, Finance Department; Ms. Jacqueline Winston, Ms. Candace Newell, Board Relations; Ms. Yolanda Grinstead, Special Counsel; Ms. Mary Beth Arceneaux, Legal Dept.; Mr. Dexter Joseph, Budget Dept.; Mr. Robert Jackson, Community & Intergovernmental Relations; Ms. Conestler Green, Purchasing; Ms. Irma Plummer, EDBP; Mr. Eric Labat, Chief of Operations; Mr. Ron Spooner, Chief of Engineering; Mr. Ramsey Green, Chief Administrative Officer, Infrastructure; Ms. Grace Birch, Mr. Curtis Elmore, Communications; Mr. Jason Higginbotham, Mr. Leon Contreras, OEM; Mr. J'Hue Joseph.

Prior to the start of the Board of Directors' meeting, Mayor Cantrell welcomed Director Alejandra Guzman to the Board.

APPROVAL OF PREVIOUS MINUTES

Director Lynes Sloss moved for approval of the Minutes of September 19, 2018. Director Robin Barnes seconded. The motion carried.

Pension Committee Report

Director Joseph Peychaud read the report of the Pension Committee. Director Lynes Sloss moved for approval of the report of the Pension Committee. Director Lewis Stirling seconded. The motion carried.

Finance and Administration Committee Report

Director Lynes Sloss read the report of the Finance and Administration Committee. Director Dr. Tamika

Duplessis moved to accept the report of the Finance and Administration Committee. Director Robin Barnes seconded. The motion carried.

Audit Committee Report

Director Dr. Tamika Duplessis read the report of the Audit Committee. Director Lewis Stirling, III moved to accept the report of the Audit Committee. Director Lynes Sloss seconded. The motion carried.

CORRESPONDING RESOLUTIONS

The following resolutions were approved at the October 2018 Finance and Administration Committee Meeting:

- R-129-2018 – Expedited work on DPS 6 and DPS 7
- R-142-2018 – Emergency Pump/Spare Parts for Old Carrollton Delta Process
- R-130-2018 – DPS 20M.R. Pittman Group
- R-131-2018 – DPS 6, I Pump Alfred Conhagen, Inc.
- R-132-2018 – DPS 1 and DPS 11 Alfred Conhagen, Inc.
- R-133-2018 – DPS 6 and DPS 5 Bollinger
- R-134-2018 – DPS 11 Pump B Bollinger
- R-135-2018 – Old Carrollton Underpass Pump Advanced Industrial Products
- R-136-2018 – Grant DPS 2 and 4 Industrial and Mechanical Contractors
- R-137-2018 – Emergency Diving Inspection Services Specialty 7-MWI Pump Rental
- R-138-2018 – Emergency Pump Rentals DPS 5 and DPS 7-Temporary Pump
- R-139-2018 – DPS 5 and DPS 7-MWI Pump Rental
- R-140-2018 – Emergency Crane Rental for Pump Repair ALL Crane Rental
- R-143-2018 – Emergency Repair to Gearbox at DPS 15-Philadelphia Gear
- R-117-2018 – Contract 1352 – Hurricane Katrina Related Pump Replacement Package at CWP – Ratification of CO #12 and Final Acceptance
- R-116-2018 – Contract 6247 – Hazard Mitigation Grant Project Carrollton Water Purification Plant STG No. 4-CO #14
- R- 126-2018 – Contract 30006 – Restoration of Existing Gravity Sewer Mains Damaged by Hurricane Katrina-CO #2 and Final Acceptance
- R-078-2018 – Change Order #1 Contract 3664
- R-147-2018 – HNTB Amendment No. 1 – Design and Engineering for Algiers Water Treatment Plant Design Services
- R-146-2018 – Veolia Capital Program Management EB/WBWWTP's Extension – Amendment No. 2
- R-158-2018 – Contract 30216 – Final Renewal of Contract – Sewer Point Repair One Year Renewal
- R-163-2018 – Update to the SWBNO Hazard Mitigation Plan
- R-152-2018 – Resolution of Thanks to John Wilson

Director Lewis Stirling moved to approve the Corresponding Resolutions in global. Director Joseph Psychaud seconded. The motion carried.

REPORT OF THE EXECUTIVE DIRECTOR

Executive Director Ghassan Korban gave his report.

116 of 120 pumps are fully operational; 4 pumps are out of service; repairs underway

DRAINAGE PUMPS UNDER REPAIR

Location	Pump	Capacity (CFS)	Scheduled Completion
DPS #15	#3	250	TBD
DPS #13	#5	1,000	October
DPS #4	Constant Duty	80	TBD
DPS #4	C	1,000	TBD
	Total	2,330 CFS	

There is interest in our pumping ability and our power capacity. Therefore, these two topics will be a regular feature of the Executive Director's Report. The truth of the matter is we have an old system and we will always be working on a handful of pumps at any given time. This is routine and we feel like we are in a stable state.

➤ 25 Hz Power Assets Schedule

Unit	Status/Expected Return to Service Date	Available MW
▪ Turbine #6	Available	3.75 MW*
▪ Carrollton Freq. Changer (1&2)	Available	8.5 MW
▪ Station D Freq. Changer (3&4)	Available	12 MW
▪ EMDs #2, 3, 4, 5	Available	10 MW
▪ Turbine #5	Available	20 MW
▪ Turbine #3	Available	12 MW
▪ Turbine #1	Available	6 MW
▪ Turbine #4	Commissioning underway	17 MW

*Turbine 6 is a 60 Hz generator that can produce 3.75 MW of 25 Hz power through a frequency changer. Mr. Korban added that while this gives us a level of comfort in that we are stable, he is going to continue with his message that this is where we may start feeling complacent and comfortable and lose sight of what the future looks like. He's going to be right on in terms of what today looks like, but also what tomorrow looks like. We need to make a commitment to start planning for the future so that we know where we're going.

PROGRESS AND GOALS

Billing

Executive Director Korban reiterated that regaining the confidence of our public is still our top priority. We

owe our customers 100% accurate and timely bills. The Sewerage and Water Board is continuing to work with Cogsdale who brought on the software. We have been in contact with Cogsdale for quite some time. Mr. Korban clarified the misunderstanding of what went on during the Quarterly Report that was presented to the City Council Public Works Committee. Chairman Giarrusso invited Cogsdale to come and present their case and answer questions from the committee.

One of the members of the Council asked specifically when Cogsdale was engaged about “the catastrophic failure of the system.” Mr. Korban provided his team has been very diligent towards addressing this issue from day one and the response from Cogsdale that we had not been engaged before June of 2018, giving the impression that Cogsdale was not notified of any issue prior to that, was misleading. Mr. Korban does not believe that this was Cogsdale’s intent, but that this is how the public perceived the statement from Cogsdale staff. Mr. Korban believes this is an unfair representation of what actually transpired. The S&WB has been in communication with Cogsdale for a long time. Mr. Korban invited Cogsdale down for a face-to-face not only to hold them accountable for failures in the billing process, but also to understand what they saw as the problem. Cogsdale had also met with the former Executive Director back in February 2018. Executive Director Korban wanted to make sure the media got the true and factual story.

Mayor Cantrell stated that these issues with Cogsdale were brought to the previous City Council prior to June 2018 while she was still serving on the Council.

SWBNO augmented our staff to look at the balance of the transfer accounts.

SWBNO brought on Utiliworks as a third-party to give us a very deep dive into the billing process, especially the customer service piece of how we address disputes and solve them before they advance to the administrative hearing process.

Outreach

Executive Director Korban is making himself available to talk to a variety of community organizations and faith-based groups to help resolve disputable accounts.

Mr. Korban spoke to a group of students from area high schools and Delgado Community College at the 2018 Water Environment Federation’s Technical Exhibition and Conference (WEFTEC) held in New Orleans September 29 – October 3.

The Water Dogz competed again this year and put forth their best efforts.

The Mayor spoke on The State of the City. There was representation from the Board of Directors.

The Customer Service, Emergency Management, Environmental, and Human Resources staff used their own time to represent the Sewerage and Water Board (S&WB) at the Gentilly Fest on Sunday, October 14th. The team with the Mobile Emergency Unit touched 52 customers and Human Resources touched 47 people who showed an interest in working for the S&WB.

On Tuesday, October 16th, S&WB participated in the Night Out Against Crime.

A team representing S&WB participated in the Making Strides of New Orleans breast cancer run on October 13th.

Canals

The canals are a key component of the drainage system. We will be developing a maintenance schedule for all of the canals. There will be a notice of when maintenance is scheduled and what kind of maintenance (cutting, dredging, etc.) will occur, so that the public is aware.

New Website

We have launched our new website! It is going to be a tool to inform the public of what we are doing and why. It is a fresh new look that was a self-initiated effort by the Communications Department. The staff is very proud of what they have accomplished. Mr. Korban wanted to acknowledge their initiative and all their hard work.

Goals

In addition to maintaining the canals and launching a new website, the S&WB wants to be like any other utility – responsible and accountable. With the help of Fred Tharp and his team, we have a plan to start addressing the street patches throughout the city in a very aggressive way. Mr. Korban stated that the work is scheduled to begin as early as Monday, October 22, 2018. Since capacity is an issue in terms of contracting, as well as funding, we are going to have to be very systematic and efficient. The goal is to change the public's image of the S&WB so that they do not continue to associate us with only billing issues and patches on the streets all over the city.

We just launched the pension payment in a modernized way. Now, retirees are getting their checks automatically. We are aiming to have a fully automated payroll as early as January 1, 2019.

Regarding internal controls, Mr. Korban pointed out that we have no means of measuring our performance. Having looked at the internal audit function within the utility, Mr. Korban felt that it is buried too deeply in the organization, and he wants to make it more visible on what would be a new organizational chart. The more we self-police and create our own audit, the less likely others will scrutinize us, which is Mr. Korban's goal.

Mr. Korban reiterated that a key component of what we do is our people. Admiral Callahan is working tirelessly touching every piece of employee relations and improvements. Admiral Callahan has plans to bring institutions of higher learning located in New Orleans to SWBNO so employees can get the education and training from within. We are looking at safety, recognition, and various other programs that will help boost morale and excite people who are considering working for the utility.

Mayor Cantrell is excited and eager to help on the administrative side relative to DPW with the paving restoration. This was something that came out of the meetings with the Transition Team that was created during her transition. The paving restoration was one of the major recommendations for the S&WB and DPW to get DPW out of that business of filling and waiting. The S&WB has taken ownership and the City has made it a priority to make sure that those resources are funneled appropriately in order for the S&WB to move this project forward.

Mr. Ron Spooner gave an update on the water towers. The Claiborne Avenue tower is scheduled to come online on November 9, 2018, pending no other issues.

HONORS AND AWARDS

Mr. Fred Tharp, Chief of Networks Administration, introduced the honorees from the Networks Department: Mr. Kevin Pepp; Mr. Eldridge Randolph, Jr.; The Water Dogz (Mr. Jerome Marshall, Mr. Ederick Trask; Mr. Brian Patterson, Mr. Russell Washington). The Water Dogz also presented the Mayor with a team jersey. Mayor Cantrell thanked the team for the jersey and plans to join them in the field in the near future.

Mr. Eric Labat, Chief of Operations, introduced the electricians from our Facilities Maintenance group. They were being recognized for stellar work that was done in the restoration of C Pump at DPS 4. The honorees were Mr. Rick Ranko, Mr. Ernest Roy, Mr. Donald Johnson, Mr. Richard Childress, and Mr. Timothy Hood.

Ms. Yvette Downs stated that she was grateful to see employees being recognized for their dedication to this

system, despite negative media reports. We see it on a daily basis but the public does not get to see it. They continue to do their best in challenging situations. Ms. Downs stated that she is proud to be among them.

Director Robin Barnes feels that if we acknowledge the accomplishments of our employees through the media and communications, this would help to build our brand by humanizing the organization.

Admiral David Callahan gave an update on the HR Report. There is now a working relationship with Civil Service with complete transparency and movement of information. He is working to bring the number of vacancies down, which is currently at around 350. Succession Planning is an area that is in need of much improvement.

Mr. Korban and Admiral Callahan created the Executive Director's Employee Advisory Council (EDEAC) which is a committee of about 25 employees from across the organization with a direct line to the Executive Director that will meet and address issues of employee concerns and incentives.

The Orientation and Onboarding Program was created to make people feel a part of the organization. We are partnering with colleges. A Leadership and Development Program was also created.

INFORMATION ITEMS

The following items were submitted for informational purposes only:

- Financial Results through August 2018
- Monthly Human Resources Activity Report for the Period September 1- 30, 2018
- Executive Director's Approval of Contracts of \$1,000,000.00 or Less
- Report of the General Superintendent
- Report of the Special Counsel
- FEMA Report
- DBE Participation on Contracts

PUBLIC COMMENTS

The following persons appeared before the Board of Directors to make comments:

- Rev. William Barnwell from Justice and Beyond wants to find a way to work together instead of having lawsuits.
- Rev. Gregory Manning from Justice and Beyond gave a summary of their meeting with Executive Director Ghassan Korban.
- Rev. Dr. Ernest Marcelle, Jr. stated that he has increasing water bills and that his meter is still not being read.
- Mr. Pat Bryant requested a response from the Board of Directors and Executive Director Ghassan Korban in response to a portion of a letter that he read which was addressed to Mr. Russell Kelly. In response to the Executive Director's Report, Mr. Bryant also proposed an employee union.
- Mr. Lloyd Lazard addressed the Board in reference to the Audit Committee and EDB participation.
- Mr. Russell Kelly from ATCO expressed his concerns relating to his dispute with Plant-N-Power.
- Mr. Jason Anders, Esq., attorney for Plant-N-Power, addressed the Board regarding Mr. Russell Kelly's dispute with Plant-N-Power.
- Mr. Michael Burnside requested a small greenwater project be constructed on his personal property.
- Ms. Sylvia McKenzie, from the Rosedale Neighborhood Association, wanted to know how contractors and sub-contractors are held accountable for crucial errors that occur on jobs that they are given.

EXECUTIVE SESSION

Director Dr. Tamika Duplessis moved to enter into Executive Session. Director Lynes Sloss seconded. The motion carried.

Director Sloss moved to leave Executive Session and return to Regular Session. Director Andrew Amacker seconded. The motion carried.

There were no action items taken during Executive Session.

ADJOURNMENT

There being no further business to come before the Board, the meeting adjourned at approximately 11:27 AM.

**GENERAL SUPERINTENDENT RECOMMENDATIONS
FOR THE NOVEMBER 14, 2018 MEETING**

- A. BIDS.** A listing of the bids received during the month of October 2018 is included in the following report. A brief summary is attached for your review.

- Item 1 - R-148-2018 - FURNISHING LIQUID FERRIC SULFATE -
REQ. NOS. AL180032 AND CM180020
- Item 2 - R-176-2018 - FURNISHING SEWERAGE AND WATER BOARD
STANDARD 4" AND 5" FIRE HYDRANTS WITH
MCGARD ANTI-TAMPERING DEVICE
- Item 3 - R-175-2018 - CONTRACT 8145 - REPAVING OPEN CUTS IN
STREETS, DRIVEWAYS AND SIDEWALKS
RESULTING FROM THE REPAIR OF SEWERAGE
AND WATER BOARD OF NEW ORLEANS
UNDERGROUND UTILITIES

B. CONTRACT FINAL ACCEPTANCE

- Item 4 - R-149-2018 - ME 17-0022 - DRAINAGE PUMPING STATION
11 - CLEARING SUCTION SCREENS
- R-150-2018 - ME 18-0012 - EMERGENCY DIVING SERVICES
- R-131-2018 - CONTRACT 30100 - EFFLUENT PUMP HOUSE
ELECTRICAL IMPROVEMENTS AT THE EAST
BANK WWTP
- R-174-2018 - HL 17-0016 - ASBESTOS TESTING &
ABATEMENT - TURBINE #5
- R-172-2018 - EE - 17-0012 - TURBINE #4 LOW
RESISTANCE GROUNDING UNIT VOLTAGE
- R-173-2018 - ES 17-0191 - TURBINE #6 FIRE
SUPPRESSION SENSORS SYSTEM

**GENERAL SUPERINTENDENT RECOMMENDATIONS
REPORT OF FINAL ACCEPTANCE TO BE
CONSIDERED BY THE FINANCE AND ADMINISTRATION COMMITTEE
AND THE BOARD'S MEETING OF NOVEMBER 14, 2018**

During October bids were received and evaluated (as per attached tabulations) on various items as follows:

1. FURNISHING LIQUID FERRIC SULFATE - REQ. NOS. AL180032 AND CM180020

Three (3) bids were received on October 18, 2018 for furnishing this chemical, It is recommended that awards be made, on an item-by-item basis, to the low bidder as follows:

Item I Req. #AL180032, to **Altivia Chemicals, LLC** in the total amount of **\$148,000.00** for furnishing and delivering a quantity of liquid ferric sulfate equal to 200,000 pounds of pure (100%) water soluble ferric iron to the Algiers Water Plant based upon the technical review of the proposals.

The three (3) bidders are as follows:

1. Altivia Chemicals LLC	\$ 148,000.00
2. Pennco, Inc.	190,600.00
3. Chemtrade Chemicals US, LLC	250,000.00

Item II Req. CM180020, to **Altivia Chemicals, LLC** in the total amount of **\$148,000.00** for furnishing and delivering a quantity of liquid ferric sulfate equal to 2,000,000 pounds of pure (100%) water soluble ferric iron to the Carrollton Water Plant based upon the technical review of the proposals.

The three (3) bidders are as follows:

1. Altivia Chemicals LLC	\$ 1,480,000.00
2. Pennco, Inc.	1,906,000.00
3. Chemtrade Chemicals US, LLC	2,500,000.00

There is no DBE participation.

Funds for this project are budgeted under Budget Code SWB-3224-4760 (Iron Sulfate).

GENERAL SUPERINTENDENT RECOMMENDATIONS (CONT'D)

November 14, 2018

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**2. FURNISHING SEWERAGE AND WATER BOARD STANDARD 4" AND 5" FIRE
HYDRANTS WITH MCGARD ANTI-TAMPERING DEVICE**

Two (2) bids were received on October 18, 2018 for furnishing these hydrants and anti-tampering device. It is recommended that the low bid of **Cimsco, Inc.** in the total amount of **\$1,999,200.00** be accepted based upon the technical review of the proposals.

The five (5) bidders are as follows:

- | | |
|------------------------|-----------------------|
| 1. Cimsco, Inc. | \$1,999,200.00 |
| 2. Kennedy Valve | 2,154,450.00 |

The DBE participation goal is 10%.

The estimated amount for this project is \$2,000,000.00.

Funds for this project are budgeted under Account Code 0850 (Warehouse & Grounds) and Object Code 4410.

**3. CONTRACT 8145 - REPAVING OPEN CUTS IN STREETS, DRIVEWAYS
AND SIDEWALKS RESULTING FROM THE REPAIR OF SEWERAGE AND
WATER BOARD OF NEW ORLEANS UNDERGROUND UTILITIES**

Four (4) bids were received on June 22, 2018 for performing work under this contract. Two (2) bids were non-responsive to the specification. It is recommended that the low bid of **Drennan Construction** in the total amount of **\$4,784,650.00** be accepted based upon the technical review of the proposals.

The two (2) bidders are as follows:

- | | |
|--|-----------------------|
| 1. Drennan Construction | \$4,784,650.00 |
| 2. Fleming Construction | 10,811,735.00 |
| 3. White Star Commercial (non-responsive) | 4,437,834.45 |
| 4. Grady-Crawford Construction
(non-responsive) | 6,110,878.00 |

The DBE participation goal is 36%.

GENERAL SUPERINTENDENT RECOMMENDATIONS (CONT'D)

November 14, 2018

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The estimated amount for this project is \$5,000,000.00.

Funds for this project are budgeted under Account Codes 6620 and 6621 and Object Codes 4409 and 4407.

4.

REPORT OF FINAL ACCEPTANCE

PROPOSAL:

Contracts ME 17-0022, ME 18-0012, 30100, HL 17-0016, EE 17-0012 and ES 17-0191 be considered for acceptance.

EVALUATION:

ME 17-0022 - Boh Brothers Construction Co., LLC - Drainage Pumping Station 11 - Clearing Suction Screens. Total Contract Bid \$97,000.00. Total Contract Expenditure \$97,000.00. Date Notice To Proceed Issued October 9, 2017. Date Work Accepted January 25, 2018.

ME 18-0012 - Specialty Diving of Louisiana, Inc. - Emergency Diving Services. Total Contract Bid \$40,000.00. Total Contract Expenditure \$101,773.35. Date Notice To Proceed Issued April 20, 2018. Date Work Accepted July 1, 2018.

Contract 30100 - Gootee Construction - Effluent Pump House Electrical Improvements at the East Bank WWTP. Total Contract Bid \$4,910,000.00. Total Contract Expenditure \$5,246,992.05. Date Work Order Issued July 12, 2016. Date Work Accepted August 17, 2018. The DBE Participation Goal is 15.0%. The DBE participation Achieved is 31.72%.

HL 17-0016 - Plant-N-Power - Asbestos Testing & Abatement - Turbine #5. Total Contract Bid \$6,900.00. Total Contract Expenditure \$6,900.00. Date Notice To Proceed Issued December 6, 2017. Date Work Accepted February 7, 2018.

GENERAL SUPERINTENDENT RECOMMENDATIONS (CONT'D)

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EE 17-0012 - Post Glover - Turbine #4 Low Resistance Grounding Unit Voltage. Total Contract Bid \$4,579.00. Total Contract Expenditure \$4,579.00. Date Notice To Proceed Issued November 7, 2017. Date Work Accepted March 30, 2018.

ES 17-0191 - Wilson Fire - Turbine #6 Fire Suppression Sensors System. Total Contract Bid \$10,991.00. Total Contract Expenditure \$14,224.78. Date Notice To Proceed Issued September 22, 2017. Date Work Accepted November 9, 2017.

RECOMMENDATION:

The above contracts are recommended for acceptance.

BHA
RNOV18.GSR

**FURNISHING LIQUID FERRIC SULFATE TO THE ALGIERS WATER PLANT AND
CARROLLTON WATER PLANT- REQ. NO.AL180032 & CM180020**

WHERE AS, after advertising according to the Public Bid Law, for Furnishing liquid ferric sulfate to the Algiers Water Plant and Carrollton Water Plant; and

WHERE AS, the Sewerage and Water Board of New Orleans received three (3) bids on October 18, 2018, after advertising according to the Public Bid Law.

NOW, THEREFORE BE IT RESOLVED that the low bid was hereby accepted and contract awarded to ALTIVIA Chemicals, LLC, for the total amount of **\$1,628,000.00**.

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 the said Board,
duly called and held, according to law, on
November 14, 2018.

GHASSAN KORBAN
EXECUTIVE DIRECTOR
SEWERAGE AND WATER BOARD OF NEW ORLEANS

FURNISHING STANDARD 4" & 5" FIRE HYDRANTS WITH MCGARD ANTI-TAMPERING DEVICE SEWERAGE & WATER BOARD DRAWING NUMBERS 11648-W-62 AND 11637-W-62

WHERE AS, after advertising according to the Public Bid Law, for Furnishing Standard 4" & 5" Fire Hydrants with McGard Anti-Tampering Device Sewerage & Water Board Drawing Numbers 11648-W-62 And 11637-W-62; and

WHERE AS, the Sewerage and Water Board of New Orleans received two (2) bids on October 18, 2018.

NOW, THEREFORE BE IT RESOLVED, that the low bid was hereby accepted and contract awarded to **Cimsco, Inc.** for the total lump sum in the amount of **\$1,999,200.00.**

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 the said Board, duly called
and held, according to law, on
November 14, 2018

GHASSAN KORBAN
EXECUTIVE DIRECTOR
SEWERAGE AND WATER BOARD OF NEW ORLEANS

**CONTRACT 8145 – Contract 8145: Repaving Open Cuts in Streets,
Driveways and Sidewalks resulting from the Repair of Sewerage and Water
Board of New Orleans Underground Utilities.**

WHERE AS, after advertising according to the Public Bid Law for performing work under Contract 8145; and

WHERE AS, the Sewerage and Water Board of New Orleans received two (2) responsive bids and two (2) non-responsive bids on June 22, 2018 after advertising according to the Public Bid Law.

NOW, THEREFORE BE IT RESOLVED that the low bid is hereby accepted and contract awarded to Drennan Construction for the total amount of \$4,784,650.00. Funding for this Contract is provided by Sewerage and Water Board O&M Budgets ORGN #6620-Object Code 4409 and ORGN #6621-Object Code 4407.

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 14, 2018.

GHASSAN KORBAN
EXECUTIVE DIRECTOR
SEWERAGE AND WATER BOARD OF NEW ORLEANS



SEWERAGE AND WATER BOARD

Inter-Office Memorandum

Date: October 25, 2018

From: Bruce Adams, General Superintendent

To: Candace N. Newell
Sewerage and Water Board New Orleans- Board Relations

Re: Contract Recommendation for Contract 8145: Repaving Open Cuts in Streets, Driveways and Sidewalks resulting from the Repair of Sewerage and Water Board of New Orleans Underground Utilities.

1. Wallace C. Drennan, Inc.
PO Box 15438
New Orleans, Louisiana 70175-5438

- Start will be at NTP that is expected in January/February 2019
- Contract Amount is \$4,784,650.00
- DBE Participation is 36%

FINAL ACCEPTANCE AND CLOSE OUT TO CONTRACT ME 17-0022-
DRAINAGE PUMPING STATION 11 -CLEARING SUCTION SCREENS

WHEREAS, bids were solicited for Contract ME 17-0022 on September 5, 2017; and

WHEREAS, Contract ME 17-0022 is ready for Final Acceptance by the Sewerage & Water Board of New Orleans; and

WHEREAS, the General Superintendent in his report has recommended that this contract receive final acceptance and to be closed out.

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 to close out Contract by Specialty Diving of Louisiana, Inc. for Contract ME 17-0022, 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 Monthly Meeting of said Board,
duly called and held, according to law, on
November 14, 2018.

GHASSAN KORBAN
EXECUTIVE DIRECTOR
SEWERAGE AND WATER BOARD OF NEW ORLEANS

FINAL ACCEPTANCE AND CLOSE OUT TO CONTRACT ME 18-0012-
EMERGENCY DIVING INSPECTION SERVICES

WHEREAS, Contract ME 18-0012 was awarded under emergency procurement; and

WHEREAS, Contract ME 18-0012 is ready for Final Acceptance by the Sewerage & Water Board of New Orleans; and

WHEREAS, the General Superintendent in his report has recommended that this contract receive final acceptance and to be closed out.

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 to close out Contract by Specialty Diving of Louisiana, Inc. for Contract ME 18-0012, 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 Monthly Meeting of said Board,
duly called and held, according to law, on
November 14, 2018.

GHASSAN KORBAN
EXECUTIVE DIRECTOR
SEWERAGE AND WATER BOARD OF NEW ORLEANS

FINAL ACCEPTANCE AND CLOSE OUT TO CONTRACT 30100-EFFLUENT
PUMP HOUSE ELECTRICAL IMPROVEMENTS AT THE EAST BANK WWTP

WHEREAS, Contract 30100 was awarded on June 15, 2016; and

WHEREAS, Contract 30100 is ready for Final Acceptance by the Sewerage & Water Board of New Orleans; and

WHEREAS, the General Superintendent in his report has recommended that this contract receive final acceptance and to be closed out.

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 to close out Contract by Gootee Construction, Inc. for Contract 30100, 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 Monthly Meeting of said Board,
duly called and held, according to law, on
November 14, 2018.

GHASSAN KORBAN
EXECUTIVE DIRECTOR
SEWERAGE AND WATER BOARD OF NEW ORLEANS

**FINAL ACCEPTANCE AND CLOSE OUT TO CONTRACT HL 17-0016-
EMERGENCY ASBESTOS REMOVAL FOR TURBINE 5**

WHEREAS, Contract HL 17-0016 was awarded under emergency procurement; and

WHEREAS, Contract HL 17-0016 is ready for Final Acceptance by the Sewerage & Water Board of New Orleans; and

WHEREAS, the General Superintendent in his report has recommended that this contract receive final acceptance and to be closed out.

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 to close out Contract by Plant-N-Power. HL 17-0016 for Contract, 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 Monthly Meeting of said Board,
duly called and held, according to law, on
November 14, 2018.

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

**FINAL ACCEPTANCE AND CLOSE OUT TO CONTRACT EE 17-0012-
EMERGENCY SERVICES FOR TURBINE 4 NEUTRAL GROUND RESISTOR**

WHEREAS, Contract EE 17-0012 was awarded under emergency procurement; and

WHEREAS, Contract EE 17-0012 is ready for Final Acceptance by the Sewerage & Water Board of New Orleans; and

WHEREAS, the General Superintendent in his report has recommended that this contract receive final acceptance and to be closed out.

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 to close out Contract by Post Glover. EE 17-0012 for Contract, 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 Monthly Meeting of said Board,
duly called and held, according to law, on
November 14, 2018.

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

FINAL ACCEPTANCE AND CLOSE OUT TO CONTRACT ES 17-0191-
EMERGENCY FIRE SUPPRESSION SERVICES TURBINE 6

WHEREAS, Contract ES 17-0191 was awarded under emergency procurement; and

WHEREAS, Contract ES 17-0191 is ready for Final Acceptance by the Sewerage & Water Board of New Orleans; and

WHEREAS, the General Superintendent in his report has recommended that this contract receive final acceptance and to be closed out.

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 to close out Contract by Wilson Fire. ES 17-0191 for Contract 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 Monthly Meeting of said Board,
duly called and held, according to law, on
November 14, 2018.

GHASSAN KORBAN
EXECUTIVE DIRECTOR
SEWERAGE AND WATER BOARD OF NEW ORLEANS

**CONTRACT AMENDMENT NO. 6 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-014-2017, 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 \$36,682,216; 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 \$1,499,985.00.

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
Monthly Meeting of said Board, duly called and held,
according to law, on November 14, 2018.

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



SEWERAGE AND WATER BOARD OF NEW ORLEANS

Inter-Office Memorandum

Date: November 5, 2018

From: Bruce Adams, P.E. *Bruce Adams 11/05/2018*
Interim General Superintendent

To: Ghassan Korban, P.E.
Executive Director

Re: **Contract Amendment No. 6 – CH2M HILL Engineers, Inc., a wholly owned subsidiary of Jacobs Engineering Group (Jacobs)**
Program Management of Hazard Mitigation Grant Program

Please see the attached letter from the Chief of Engineering recommending approval of Contract Amendment No. 6 for Additional Program Management and Construction Management Services performed by CH2M HILL Engineers, Inc., a wholly owned subsidiary of Jacobs Engineering Group (Jacobs).

CH2M (now Jacobs) has supported the Sewerage and Water Board of New Orleans in Program Management of the Hazard Mitigation Grant Program Power Plant Retrofit, since inception in 2013. Annual contract amendment have been executed from 2014 through 2018, based upon annual forecasted construction spend and required activities to support ongoing management, design, and construction associated with the Program. Jacobs is requesting an addition of \$1,499,985.00 to complete the current scope of work through December 2018.

The required DBE participation goal will remain the same as per the original contract goal of 35%. This Contract Amendment request brings the cumulative total of Contract Amendments to \$36,682,216.00.

I would appreciate you forwarding this request to the attention of the appropriate committees of the Board for their consideration and approval.

Cc: M. Ron Spooner, Chief of Engineering
Eric Labat, Chief of Operations
Willie Mingo, Procurement
Legal Dept



SEWERAGE AND WATER BOARD OF NEW ORLEANS

Inter-Office Memorandum

Date: November 5, 2018

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

To: Bruce Adams, P.E.
Interim General Superintendent

Re: **Contract Amendment No. 6 – CH2M HILL Engineers, Inc. a wholly owned subsidiary of Jacobs Engineering Group (Jacobs)**
Hazard Mitigation Grant Program Management

Enclosed please find a recommendation for approval of Contract Amendment No. 6 for the above captioned contract. This amendment authorizes an increase of fees by \$1,499,985.00, bringing the cumulative total of the contract to \$36,682,216.00.

Original Contract Award Amount:	\$12,497,750.00
Previous Approved Contract Amendments:	\$22,684,481.00
This Contract Amendment Amount:	\$1,499,985.00
Total Cumulative Dollar Contract Amendment Amount:	\$36,682,216.00

Contract DBE Participation	35%
Forecasted DBE Participation through 2018	22%

The Engineering Department has reviewed this proposal and is recommending it for approval.

I concur:

Bruce Adams, P.E.
Interim General Superintendent

Date:

11/05/2018

Cc:

Willie Mingo, Procurement
Rosetta Thomas, Finance Director
Eric Labat, Chief of Operations
Legal Dept.

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New Orleans, LA, USA 70112



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Mr. Bruce Adams
Interim General Superintendent
8800 South Claiborne Avenue
New Orleans, LA 70118

November 5, 2018

Subject: Amendment 6 to the Professional Services Agreement between the Sewerage and Water Board of New Orleans (SWBNO) and CH2M Hill Engineers, Inc., a wholly owned subsidiary of Jacobs Engineering Group (JACOBS)

Dear Mr. Adams,

Per the request of SWBNO, JACOBS has prepared Amendment 6, which is a summary of the additional requested services and additional directed work relative to the Professional Services Agreement (Amendment 5) dated April 12, 2018, between SWBNO and JACOBS. Services provided include Program Management, Design Engineering Services, Construction Supervision, and Inspection Services for the Retrofit Power Plant Hazard Mitigation Project.

Per the request of SWBNO, during a review meeting held on September 11, 2018, Amendment 6 addresses the following requests:

- JACOBS to provide an adjusted overhead rate post-acquisition of CH2M Engineers, Inc. by JACOBS
- JACOBS to provide a modified rate structure; which includes a field rate for staff fully co-located at SWBNO facilities, and an office rate for staff utilizing JACOBS facilities
- JACOBS to identify team members and which rate structure is applicable
- JACOBS to provide Amendment 6 cost spreadsheet to include Amendment 5 hours and cost by task and employee
- JACOBS to provide a cost spreadsheet including the Job to Date incurred costs against Amendment 5

The scope of work included herein includes the additional services requested, continuation of service through December 31, 2018, and incurred cost for the current scope since negotiation of Amendment 5. Additionally, passing the major Program milestone of Turbine Generator 4 startup in June 2018 has allowed for the opportunity to redeploy Program resources to provide a more streamlined delivery strategy associated with additional scope requests received in 2018. As such, the proposed not-to-exceed cost to complete this work is \$1,499,985.

JACOBS is proud to be in support of the Sewerage and Water Board of New Orleans and values our long-term service history and partnership with the Board. Thank you for the opportunity to continue to serve, and lead completion of this critical infrastructure project.

A handwritten signature in blue ink, appearing to read "Yahya Rokayak".

Yahya Rokayak
Program Manager

A handwritten signature in blue ink, appearing to read "Chrissy Thom".

Chrissy Thom
Operations Manager

Amendment 6 to the Professional Services Agreement

Sewerage and Water Board of New Orleans (SWBNO)

**and CH2M Hill Engineers, Inc., a wholly owned subsidiary of Jacobs
Engineering Group (JACOBS)**

For

**Program Management and Design & Engineering Services for the Retrofit
Power Plant Hazard Mitigation Grant Project**

Requested and Directed Change Summary

The scope of work included herein is for additional services and incurred costs requested, and to continue the current professional services through December 31, 2018. Amendment 6 is an increase in funds for the additional requested services and additional directed work relative to Professional Services Agreement (Amendment 5) dated April 12, 2018, between the Sewerage and Water Board of New Orleans (SWBNO) and CH2M Engineers, Inc. (JACOBS).

Additionally, passing the major Program milestone of Turbine Generator 4 startup in June 2018 has allowed for the opportunity to assess efficiently redeploying Program resources, and provide a streamlined delivery strategy associated with additional scope requests received in 2018, which has been factored into the cost proposal of Amendment 6

Amendment 5 – Out of Scope Items	Scope Item Description
CP- 1368 – Oak Street Pump Station	<u>SWBNO services request:</u> Engineering Services During Construction due to changes in field conditions; additional hours for CM due to contractor work hours.
CP – 1369 – Emergency Fuel Storage Tanks	<u>JACOBS initiated & SWBNO approved:</u> Revised Staffing of project resulted in a reduction of cost due to net rate and expense decrease
CP- 1370 – Boiler House Modifications	<u>SWBNO services request:</u> Additional design updates for risk mitigation, revision of design elements for safer and more reliable operation; Deaerator design finalization; and additional project management and engineering services for development of 1370A (standalone 60 Hz switchgear) package. Development of specifications for Boiler Performance Testing and Air Heater Cleaning

CP-6247 – Turbine 4	SWB services request: Training, Robust commissioning & startup services, including Board staff training, additional engineering services, and completion of remaining Independent Cost Estimates required for project closeout. Compilation of construction red-lines and development of As-Built drawings. Continued construction supervision and oversight, which was extended due to third party delays. Provide consulting services for Turbine 4 punch-list completion and operational turnover to SWBNO Operations
CP – 6249 – 25-Hz Feeders (Design Build)	JACOBS initiated & SWBNO approved: Revised Staffing of project resulted in a net reduction of costs. \$116,126, of which \$43,667 will be used to fund the construction Administration task and Construction Manager
Program Administration CP – 6250 – Load Bank Genset	SWBNO services request: Reconcile and report all historical and future costs to support revised FEMA reimbursement direction. Reconfigure all internal cost tracking systems per FEMA Grant Team direction received. Provide all historical invoices per the FEMA categories. Develop FEMA directed requests for EMD installation, revising the grant application per FEMA Grants Manager., Includes actual costs incurred prior to removal of staff from Amendment 5 during negotiation period. Project closeout costs were absorbed under CP-6247

Scope of Work

CP-1368: Oak Street Pump Station

In Amendment 5, 500 hours were allocated to JACOBS for Engineering Services During Construction (ESDC). The team has expended 637 hours as of June 1st and anticipate an additional 619 hours to perform this scope through December 31, 2018.

Engineering Services During Construction tasks to date have included the following items:

- Response to 20 requests for information (RFIs) - primarily electrical and mechanical in nature
- Review of 62 Submittals - Mixture of electrical, Mechanical, architectural, structural, I&C and Plumbing. Many have required three or more reviews for approval.
- Participation in weekly progress meeting calls and supplemental calls with the contractor and subcontractors to review issues and discuss submittals
- Support development of contractor changes/change orders – either owner-driven or a result of unknown conditions
- Develop design approach, prepare drawings, and completed Independent Cost Estimates
- Review contractor Pay Requests
- Updated 3D model to confirm proposed equipment submitted will fit and can be appropriately operated
- SWBNO requested presence of Geotechnical Engineer during installation of sheet pile near G Basin
- Review of VFD, Switchgear, and Short Circuit Study submittals – 5 rounds of review iterations and multiple calls with Siemens and Contractor in 2018.

- Significant redesigned and design modifications surrounding the installation of the five, 48-inch plug valves and 3 flow meters. Due to inaccurate record drawings, unidentified existing and abandoned utilities were discovered during initial excavation, requiring design updates.
- Design updates to accommodate multiple SWBNO requests and design modifications (example - changing crane in D Pump room from 25 hz to 60 hz, extending the cleaning of the 48-inch raw water line, vault modifications, and relocation of electrical ductbanks).
- Environmental permitting associated with Valve 26.

Additionally, costs for engineering oversight of factory testing of the specialized pumps and custom VFDs are included and entail the following:

- VFD testing – oversight by project electrical engineer
 - Travel to testing location: New Kensington, PA
 - Timeframe: December 2018
 - Test schedule: Two days, 8 hours/day
- Pump testing – oversight by project mechanical engineer
 - Travel to testing location: Oregon
 - Timeframe: October 2018
 - Test schedule: 96 hours/pump, 3 pumps

The change order cost for this item has been reduced by the revised construction management delivery approach discussed herein.

CP-1369: Emergency Fuel Storage

Project and construction management services will continue in 2018. This contract is in construction with anticipated work completion in Q2 2019.

CP-1370: Power House General Contract

In March 2018, additional design elements were added to this scope which are intended to enhance the investment of this work to improve the operations of the overall Power House Boiler System.

These elements fall into two categories:

- 1) new design of supplemental deaerator elements; and
- 2) design refinement of items identified by SWBNO operations staff and the JACOBS design team.

This proposal describes the scope of work and costs associated with these two categories of additional design work for CP-1370, as agreed to by SWBNO in conversations during the week of May 7, 2018.

The additional scope falls into four categories outlined below:

New design of Supplemental Deaerator Items:

- New makeup water control valve station
- Feedwater re-circulation loop

1515 Poydras Street – Suite 1260
New Orleans, LA, USA 70112



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- Relief valve system (2 roof hatches, 1 silencer and additional piping)
- Addition of monorail in switchgear rooms
- New overflow system/flash piping
- New auxiliary steam line
- Additional demolition of existing deaerator piping
- New permanent access door for deaerator installation

Design refinement items identified by SWBNO operations staff:

- Replace current design of isolation dampers with man-safe louvers
- Change scope of work for burners for Boiler 1 & 3 from replacement to refurbishment
- Complete investigative analysis for the air heater system fans to confirm sizing
- Include boiler performance baseline study requirements in the specifications
- Review and incorporate the most recent electrical network study into bid package for 1370
- Update the pipe specification to include steam cleaning
- Replace all manual steam isolation valves
- Add contractor qualification language to the Division 1 specifications documents
- Development of Boiler Performance Testing Specifications
- Development of Air Heaters Cleaning Specifications

Activities related to preparation and advertisement of this design package include the following:

- Development of a revised cost estimate
- Development of revised construction schedule
- Title block updates to relevant drawings and specifications Quality review and stamping by registered Louisiana Professional Engineer
- Preparation and support of contract data form, required prior to bid

Design work associated with CP-1370 is presently on-hold following direction of SWBNO in August 2018, and is scheduled to resume upon completion of the Boiler Performance Test. The full design completion of this project will recommence following direction from SWBNO, but has not been budgeted to occur during the performance period of Amendment 6.

CP-1370A: 60-Hz Outdoor Switchgear

SWBNO has requested that the outdoor switchgear components of the 1370 contract be extracted and incorporated into a stand-alone design package (1370A). This project includes completion of design for future Turbine 6 outdoor switchgear. This switchgear will increase the reliability and optimize the use of Turbine 6 for current and future loads. The 90% design completion is the next major milestone and is anticipated to complete by January 2019.

CP-6247: Generator 4 Retrofit Project

Turbine 4 Project – Completion, Startup & Commissioning, and closeout

In Amendment 5, the estimated level of effort was based upon a 40-hour work week for each of the staff members assigned to the project. At the direction of SWBNO, the JACOBS team worked an average of 72 to 84 hours per week beginning May 1 with the commencement of the startup and commissioning period. Additionally, due to the incorrect parts installed by the vendor supplying the switchgear, the project duration was delayed by 2 weeks. This delay resulted in the JACOBS team incurring more man-hours than budgeted per the overall completion schedule estimate of the project. Therefore, JACOBS requests additional labor hours to cover the additional effort expended.

SWBNO requested additional services that required staff additions to the core team identified in Amendment 5, thus requiring additional labor hours and expenses. The list of services provided outside of the level of effort anticipated in Amendment 5 are below:

1. Robust & Enhanced Commissioning
2. Engineering Design/Review Services
 - a. TG 4 – Work Pack review against original scope
 - b. Structural Analysis – 42" Pipe Manhole & Stator Frame Clamps
3. Consulting & advising on multiple system repairs
 - a. STG 4 turbine gland seal system
 - b. STG 4 Lube oil system
 - c. STG 4 steam jet air ejectors
 - d. STG 4 condenser bracing
4. (4) Training Sessions to Operators & Facility Maintenance
5. Development of Standard Operating Procedures
6. Completion of 34 Independent Cost Estimates required for project closeout for which Engineer of Record will no longer perform per at SWBNO direction
7. Continue providing Technical Subject Matter Expert support through project closeout
8. Compile all contractor redlines and produce the As-Built Drawings for the project
9. Provide additional construction and punch-list completion oversight until all field work is completed to the satisfaction of the client

CP-6249: Retrofit Power Plant Network (Design/Build)

Project and construction management services will continue through December 31, 2018. This contract is in construction with anticipated work completion in Q3 2019.

Cooling Water Study

The scope of this study will be limited in November and December 2018, for the purpose of redistributing funds identified in Amendment 5 to other ongoing projects. The key deliverables in 2018 will include a technical memorandum summarizing the water sampling and regulatory review (Task 1), and provision of notes and sketches prepared as part of the development of alternatives for cooling water (Task 2). This study will remain on pause until further direction from SWBNO.

Program Management & Administration

At the end of 2017, a request was made to have stronger program oversight and administration. JACOBS revised leadership to engage a Program Manager to work with the Deputy Program Manager to lead the team and develop a more rigorous program management structure. The Program Manager was engaged and on-site working with SWBNO to accomplish the project objectives. During negotiations of Amendment 5, SWBNO elected to reduce cost by downsizing the leadership team and removing the Program Manager, resulting in a single individual, the current Deputy Program Manager, leading the team going forward. JACOBS complied with the request and subsequently has identified actual costs for work performed by the Program Manager prior to the decision being made to remove this position and thus need to adjust labor compensation to include this cost.

Additionally, SWBNO requested that JACOBS provide a revised format and breakdown for incurred and forecasted costs associated with the JACOBS team. This reconfiguration was a significant change from the previously accepted format that JACOBS had been using since program inception more than 5 years ago, and required reconfiguration to the existing cost tracking system, work breakdown structure, and invoicing format. This additional effort was not anticipated nor included in the Amendment 5 scope of work. The summary for additional man-hours expended to comply with this request is consistent with the actual labor hours expended to supply this deliverable. The hours required to comply with these requirements moving forward are also included in Amendment 6.

Rate Modification

As requested by SWBNO on September 11, 2018, JACOBS has provided an adjusted overhead rate post-acquisition of CH2M Engineers, Inc. by JACOBS. JACOBS has also provided a modified rate structure; which includes a field rate for staff fully co-located at SWBNO facilities, and office rate for staff utilizing JACOBS facilities. The modified rates, identification of staff and associated rates are included within this document.

Assumptions

- This scope of work is limited to design, construction supervision, and consulting services; no direct supervision of SWBNO employees will occur.
- JACOBS will require written approval before accepting additional tasks under this Amendment.
- JACOBS is not responsible for the operation of the facilities and will not be responsible for any violations or compliance issues that the facilities experience.
- JACOBS may reasonably rely upon the accuracy of the information provided by SWBNO employees and Contractors.
- JACOBS will not be responsible for the quality and completeness of information provided by SWBNO employees and Contractors, nor for acts by SWBNO employees and Contractors.
- JACOBS will not be responsible for monitoring or oversight of facilities not in this scope, including those adjacent to work sites.

SWBNO - Hazard Mitigation Grant Program - Power Plant Retrofit Projects
Jacobs - Amendment 5 (A5) and 2018 ETC Summary



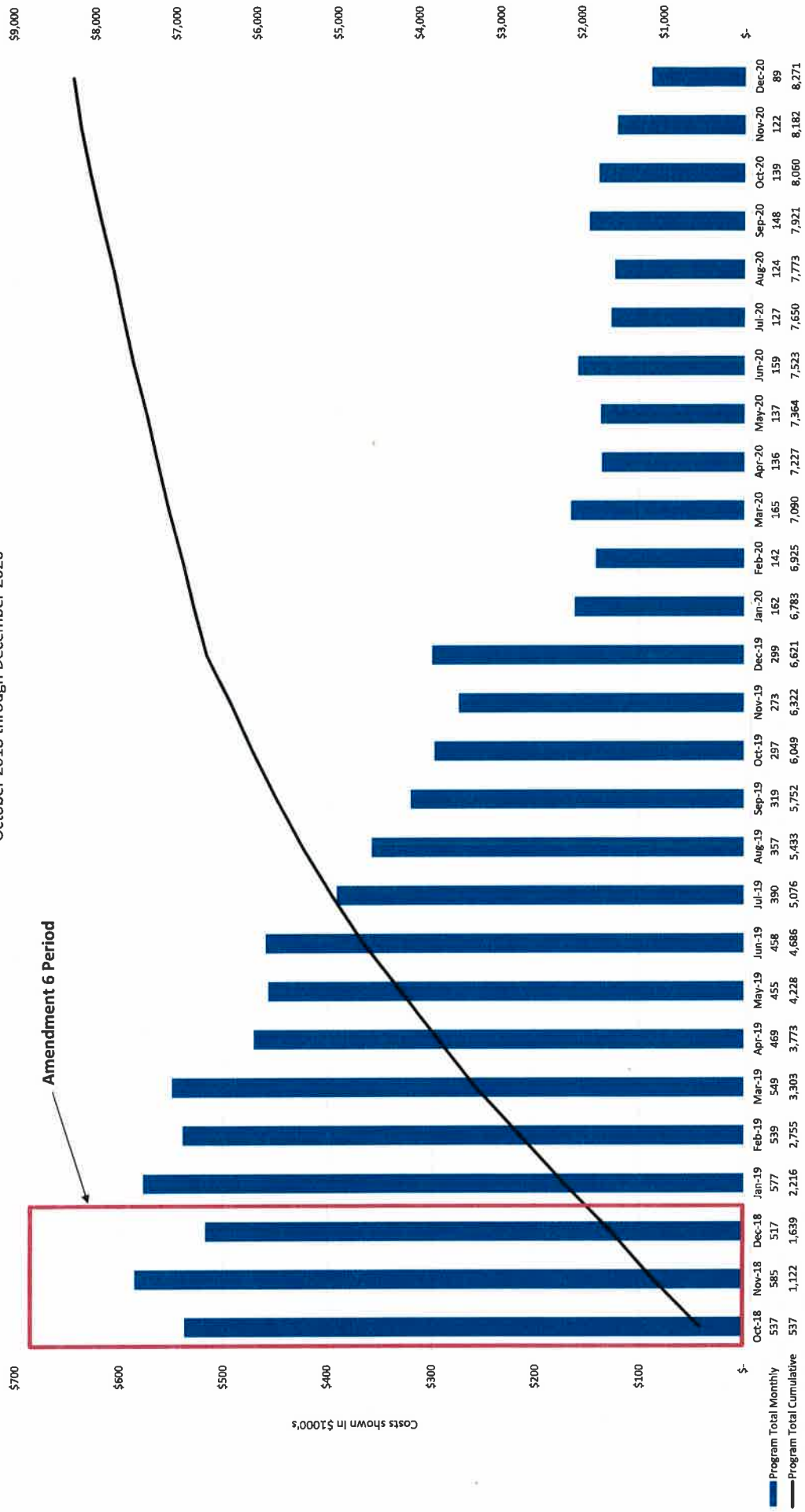
Project	A5 Budget Hours	A5 Budget \$	A5 Incurred Hours*	A5 Incurred \$*	Remaining Funding*	2018 ETC Hrs**	2018 ETC \$**
CP-1368 (Oak Street Pump Station)	5149	\$ 959,099	4979	\$ 879,653	\$ 79,446	1475	\$ 275,564
CP-1369 (Emergency Fuel Storage)	3745	\$ 683,089	2596	\$ 449,999	\$ 233,090	1337	\$ 203,509
CP-1370 (Boiler House General)	4326	\$ 885,583	6424	\$ 1,298,273	\$ (412,690)	80	\$ 20,092
CP-1370A (60-Hz Outdoor Switchgear)	0	\$ -	284	\$ 59,696	\$ (59,696)	816	\$ 171,698
CP-1371 (Structural General)	90	\$ 10,252	-80	\$ 177	\$ 10,075		
CP-6247 (Turbine & Refurbishment)	5393	\$ 1,227,662	7595	\$ 1,694,950	\$ (467,288)	1143	\$ 250,267
CP-6249 (Feeders)	4243	\$ 693,252	2314	\$ 406,940	\$ 286,312	1028	\$ 158,854
CP-6250 (Load Bank)	61	\$ 11,221	31	\$ 4,995	\$ 6,226		
Cooling Water	1945	\$ 400,338	984	\$ 161,399	\$ 238,939	402	\$ 69,673
Program Management	11600	\$ 1,926,492	10726	\$ 1,701,653	\$ 224,839	3230	\$ 489,580
Grand Total	36553	\$ 6,796,987	35853	\$ 6,657,734	\$ 139,253	9511	\$ 1,639,238
					Amendment 6 Value		
					\$ 1,499,985		

* Amendment 5 Incurred costs and remaining funding are based on costs through September 29, 2018

** 2018 ETC costs are from October through December 2018

Overhead Rate	Current Rate	New Rate
Office	(through Oct 31, 2018)	(effective Nov 1, 2018)
Field	2.79	2.71
	2.79	2.62

Total Program Cost Forecast
Monthly and Cumulative
October 2018 through December 2020



CP-1368
Oak Street Pump Station
Current Status: Construction Phase
Estimated Final Contract Completion: January 2020
Proposal for: Construction Administration, Construction Management, and Inspection

ESTIMATE TO COMPLETE - HOURS											
FEMA Category	Resource	Field/Office	Role	AS Budget Hours	Incurred Hours	AS Budget \$	AS Incurred \$	Variance	Oct-18	Nov-18	Dec-18
Construction Administration	Adams, Neal M (Neal)	Office	Electrical Engineer	0	100	\$ -	\$ 12,727	\$ (12,727)	2	20	20
	Banks, Kanitra Denise (Kanitra)	Office	Architect	0	0	\$ -	\$ 409	\$ (409)			
	Duncan, Isaac (Isaac)	Office	Civil Designer	0	12	\$ -	\$ 888	\$ (888)			
	Fisch, Alan J (Alan)	Office	Cost Estimator	0	4	\$ -	\$ 807	\$ (807)			
	Ghafoor, Ghazali A (Ghazali)	Office	Lead Structural Engineer	0	54	\$ -	\$ 8,052	\$ (8,052)			
	Gillum, Amol J (Amol)	Office	Structural Engineer	0	10	\$ -	\$ 1,529	\$ (1,529)			
	Gorden, April (April)	Office	Associate Engineer	0	1	\$ -	\$ 59	\$ (59)			
	Gutierrez-Pacheco, Eduardo (EDUARDO)	Office	Geotechnical Engineer	0	89	\$ -	\$ 11,759	\$ (11,759)	0		
	Hill, Jacob Jamal (Jacob)	Office	Associate Engineer	0	5	\$ -	\$ 326	\$ (326)			
	Hodgin, Frederick Aspen (Frederick)	Office	IBC Engineer	0	2	\$ -	\$ 209	\$ (209)			
	Isaman, Cameron (Cameron)	Office	Mechanical Engineer	0	0	\$ -	\$ -	\$ -		80	80
	Kaylor, Jill (Jill)	Office	Spec Processor	0	1	\$ -	\$ 88	\$ (88)			
	Lange, Delayne R (Del)	Office	Structural Engineer	0	50	\$ -	\$ 8,937	\$ (8,937)	17	8	12
	McGoey, William Robert (Will)	Field	Field Engineer	0	0	\$ -	\$ -	\$ -			
	Reyes, Kathleen M (Kathleen)	Office	Associate Engineer	0	6	\$ -	\$ 700	\$ (700)			
	Roman-Cardona, Viviana Michelle (Viviana)	Office	Associate Engineer	0	44	\$ -	\$ 3,897	\$ (3,897)			
	Ross, David H (David)	Office	Lead Cost Estimator	0	133	\$ -	\$ 38,112	\$ (38,112)	0	16	4
	Russak, Brandon Athanas (Brandon)	Office	HVAC Engineer	0	6	\$ -	\$ 557	\$ (557)			
	Saharkhiz, Cyrus J (Cyrus)	Office	Lead I&C Engineer	0	60	\$ -	\$ 6,706	\$ (6,706)	10	8	12
	Shannon, William Patrick (Billy)	Office	HVAC Engineer	250	291	\$ 50,972	\$ 59,109	\$ (8,136)	48	38	32
	Stickley, Michael C (Mike)	Office	Design Manager	0	4	\$ -	\$ 3,694	\$ (3,694)	0	5	
	Trautwein, Beth (Beth)	Office	Lead Architect	0	22	\$ -	\$ 2,106	\$ (2,106)	10	12	8
	Wang, Qingshan (Qingshan)	Office	Lead Mechanical Engineer	0	103	\$ -	\$ 27,675	\$ (27,675)	8	19	15
	Wilcox, Dwight (John)	Office	CAD Technician	80	0	\$ 17,072	\$ -	\$ 17,072		6	3
	KANSAGRA, MAGAN	Office	HVAC Engineer	170	87	\$ 66,977	\$ 34,276	\$ 32,700	30	22	
	Expenses				0	0	\$ 5,350	\$ -	\$ 5,350		
Construction Management	Construction Administration Subtotal										
	Brestle, Dennis E (Denny)	Office	Construction Manager	0	20	\$ -	\$ 3,740	\$ (3,740)			
	Norris, Chris (Chris)	Office	Construction Manager	0	394	\$ -	\$ 72,295	\$ (72,295)			
	Paul, Bobby E (Bobby)	Field	Construction Manager	0	8	\$ -	\$ 1,002	\$ (1,002)			
	Ross, David H (David)	Office	Lead Cost Estimator	0	0	\$ -	\$ -	\$ -			
	Stewart, John (John)	Field	Construction Manager	2449	1442	\$ 344,328	\$ 205,285	\$ 139,043			
	Stickley, Michael C (Mike)	Office	Design Manager	0	0	\$ -	\$ -	\$ -			
	Till, Vanessa Jan (Vanessa)	Office		0	0	\$ -	\$ -	\$ -			
	Wang, Qingshan (Qingshan)	Office	Lead Mechanical Engineer	0	0	\$ -	\$ -	\$ -			
	LOETZGERICH, TROY	Field	Construction Manager	0	280	\$ -	\$ 51,744	\$ (51,744)	160	150	140
	Expenses			0	0	\$ 52,000	\$ 69,025	\$ (17,025)			
	Inspection	Construction Management Subtotal									
HECK, BRIAN		Field	Inspector	2449	2144	\$ 396,328	\$ 403,092	\$ (6,764)	160	150	140
KESKAR, P. Y.		Office	Lead Electrical Engineer	2200	690	\$ 422,400	\$ 110,055	\$ 312,345			
Expenses				0	0	\$ -	\$ -	\$ -			
BROUSSARD, CHUCK		Field	Inspector	0	701	\$ -	\$ 73,784	\$ (73,784)	160	160	160
	Expenses			0	0	\$ -	\$ -	\$ -			
	Horton, Raymond Eugene (Raymond)	Field	Inspector	0	343	\$ -	\$ 66,030	\$ (66,030)			
	Expenses			0	0	\$ -	\$ 3,781	\$ (3,781)			
	Inspection Subtotal			2200	1733	\$ 422,400	\$ 253,650	\$ 168,750	160	160	160
Total				5,149	4,979	\$ 959,099	\$ 879,653	\$ 79,446	415	552	508
								Monthly Cost	\$ 67,426	\$ 105,387	\$ 102,752
								2018 ETC Cost Total	\$ 275,564		

*Hours and costs shown are based on contract duration schedule as of end of September 2018; any extensions of construction or addition of technical scope will incur additional Jacobs costs

CP-1369
Emergency Fuel Storage
Current Status: Construction Phase
Estimated Final Contract Completion: August 2019
Proposal for: Construction Administration, Construction Management, and Inspection

*Hours and costs shown are based on contract duration schedule as of end of September 2018; any extensions of construction or addition of technical scope will incur additional Jacobs costs

ESTIMATE TO COMPLETE - HOURS									
FEMA Category	Resource	Field/Office	Role	AS Budget Hours	AS Incurred Hours	AS Budget \$	AS Incurred \$	Variance	
Construction Administration	CASSANOVA, REGINA	Office	Project Manager	0	3	\$ -	\$ 457	\$ (457)	
	HAWNEY, HARRY	Office	Engineering Support	0	16	\$ -	\$ 2,922	\$ (2,922)	
	KOLENOVSKY, GREGORY	Office	Lead Engineer	95	30	\$ 22,990	\$ 7,321	\$ 15,669	5
	MANDICH, IVAN	Office	Engineering Support	0	44	\$ -	\$ 8,034	\$ (8,034)	8
	MCALLISTER, KRISTEN	Office	Engineering Support	0	32	\$ -	\$ 5,843	\$ (5,843)	7
	MAGRATH, LISBETH	Field	Lead Engineer	900	360	\$ 164,340	\$ 65,645	\$ 98,695	75
	WALL, NICHOLAS	Office	Field Engineer	0	75	\$ -	\$ 11,145	\$ (11,145)	
	Reiser, Sonya (Sonya)	Office	Quality Control	45	0	\$ 8,313	\$ -	\$ 8,313	
	Construction Administration Subtotal			1040	559	\$ 195,643	\$ 101,366	\$ 94,277	95
Construction Management	Brown, Timothy T. (Tim)	Field	Construction Manager	1204	716	\$ 282,996	\$ 167,990	\$ 115,006	
	Brestle, Dennis E (Denny)	Office	Construction Manager	0	0	\$ -	\$ -	\$ -	80
	Norris, Chris (Chris)	Office	Construction Manager	0	46	\$ -	\$ 8,576	\$ (8,576)	
	Paul, Bobby E (Bobby)	Field	Construction Manager	0	217	\$ -	\$ 29,573	\$ (29,573)	140
	Till, Vanessa Jan (Vanessa)	Office	Project Assistant	0	1	\$ -	\$ 35	\$ (35)	
	Expenses			0	0	\$ 50,000	\$ 26,055	\$ 23,945	0
Inspection	Construction Management Subtotal			1204	980	\$ 332,996	\$ 232,543	\$ 100,453	140
	FLEMING, PAUL	Field	Inspector	1500	932	\$ 153,450	\$ 97,390	\$ 56,060	200
	LOETZERICH, TROY	Field	Inspector	0	125	\$ -	\$ 18,700	\$ (18,700)	
	Expenses			0	0	\$ 1,000	\$ -	\$ 1,000	
Inspection Subtotal				1500	1057	\$ 154,450	\$ 116,090	\$ 38,360	200
Total				3,745	2,596	\$ 683,089	\$ 449,999	\$ 233,090	435
								Monthly Cost	\$ 69,223
								2018 ETC Cost Total	\$ 203,509
								Nov-18	\$ 65,487
								Dec-18	\$ 68,798

CP-1370
Boiler House General
Current Status: Final Design
Anticipated Work Period: October 2018 through May 2019
Proposal for: Boiler Performance Testing and Final Design Completion

*Hours and costs shown are based on contract duration schedule as of end of September 2018; any extensions of construction or addition of technical scope will incur additional Jacobs costs.

		ESTIMATE TO COMPLETE - HOURS									
FEINA Category	Resource	Field/Office	Role	AS Budget Hours	AS Incurred Hours	AS Budget \$	AS Incurred \$	Variance	Oct-18	Nov-18	Dec-18
Final Design	Brogden, Malcolm (YORK)	Field	Lead Electrical Engineer	253	1048	\$ 59,528	\$ 248,857	\$ (189,329)			
	Brown, Douglas (DOUG)	Office	Mechanical Engineer	0	159	-	\$ 31,154	\$ (31,154)			
	Brown, Michael (Michael)	Office	3D Modeling Support	0	326	-	\$ 65,788	\$ (65,788)			
	CARAHAN, DAVID PATRICK (DAVID)	Office	3D Modeling Support	0	31	-	\$ 783	\$ (783)			
	Carpenter, William Rodney (Rodney)	Field	Construction Manager	0	36	-	\$ 18,583	\$ (18,583)	40	8	
	CONLEY, MARK A	Office	Civil Designer	400	377	\$ 72,072	\$ 67,858	\$ 4,234			
	DeLany, James (Jim)	Office	Cost Estimator	0	159	-	\$ 39,876	\$ (39,876)			
	Goretsky, Thomas C. (Thomas)	Office	Lead Mechanical Engineer	353	1033	\$ 73,374	\$ 212,172	\$ (138,798)	8	8	
	Grabowski, Christopher R (Chris)	Office	Piping Engineer	406	333	\$ 55,088	\$ 45,634	\$ 9,454			
	Jackson, Christopher A (Chris)	Office	Lead Piping Engineer	61	40	\$ 16,381	\$ 10,687	\$ 5,694			
	JALINSKY, MICHAEL J	Office	Structural Engineer	300	467	\$ 55,452	\$ 86,316	\$ (30,864)			
	Kaylor, Jill (Jill)	Office	Spec Processor	0	8	-	\$ 742	\$ (742)			
	Krueger, Elizabeth Priscilla (Elizabeth)	Office	CAD Technician	0	96	-	\$ 9,855	\$ (9,855)			
	LANDLEY, LANCE	Field	Field Engineer	0	0	-	-	-	0		
	Lott, Devin C. (Devin)	Office	IBC Engineer	0	10	-	\$ 995	\$ (995)			
	Madrigal, Gerardo Roberto (Leo)	Office	Piping Designer	0	2	-	\$ 123	\$ (123)			
	Matthew, Todd J. (Todd)	Office	Structural Engineer	0	5	-	\$ 925	\$ (925)			
	McGOWAN, William Robert (Will)	Field	Field Engineer	0	18	-	\$ 1,854	\$ (1,854)			
	Morris, Sheridan Jacqueline (Sheri)	Office	Spec Processor	0	185	-	\$ 22,813	\$ (22,813)			
	Munson, Michelle Lynn (Michelle)	Field	Field Engineer	0	1	-	\$ 51	\$ (51)			
Bidding Services	Peris, Gerald (Jerry)	Office	Mechanical Engineer	704	781	\$ 148,386	\$ 160,979	\$ (12,593)			
	Reiser, Sonya (Sonya)	Office	Quality Control	0	55	-	\$ 9,372	\$ (9,372)	8	4	
	Stockley, Michael C. (Mike)	Office	Design Manager	0	1	-	\$ 204	\$ (204)			
	Stocky, Monica (Monica)	Office	Field Engineer	0	7	-	\$ 654	\$ (654)			
	Terrazas, Jose David (Jose)	Office	Mechanical Engineer	0	12	-	\$ 944	\$ (944)			
	Thomas, Dennis (Dennis)	Office	IBC Engineer	0	331	-	\$ 64,251	\$ (64,251)			
	Trudewein, Beth (Beth)	Office	Lead Architect	0	1	-	\$ 169	\$ (169)			
	Tull, Herb	Field	Startup Specialist	0	0	-	-	-			
	Tymrak, Kathleen C. (Kathlin)	Office	Project Manager	0	66	-	\$ 9,528	\$ (9,528)			
	Zornes, Greta Lynn (Greta)	Office	Water Engineer	75	71	\$ 18,388	\$ 17,202	\$ 1,086			
	Expenses			0	0	-	-	-			
			Final Design Subtotal	2553	5631	\$ 498,669	\$ 1,172,935	\$ (674,266)	56	24	0
Project Management	Brogden, Malcolm (YORK)	Field	Lead Electrical Engineer	50	0	\$ 11,925	-	\$ 11,925			
	Goretsky, Thomas C. (Thomas)	Office	Lead Mechanical Engineer	50	0	\$ 10,482	-	\$ 10,482			
	Jalinsky, Mike	Office	Structural Engineer	50	0	\$ 9,242	-	\$ 9,242			
	Peris, Gerald (Jerry)	Office	Mechanical Engineer	80	0	\$ 16,958	-	\$ 16,958			
	Zornes, Greta Lynn (Greta)	Office	Water Engineer	25	0	\$ 6,096	-	\$ 6,096			
			Bidding Services Subtotal	255	0	\$ 54,704	-	\$ 54,704	0	0	0
	AbuKhodair, Bassam M. (Bassam)	Field	Design Manager	0	134	-	\$ 33,173	\$ (33,173)			
	Buhenay, Connor Brent (Connor)	Office	Environmental Support	0	1	-	\$ 83	\$ (83)			
	Carpenter, William Rodney (Rodney)	Field	Construction Manager	510	0	\$ 124,320	-	\$ 124,320			
	Dry, Brandy Lynne (Brandy)	Office	Publishing Support	0	2	-	\$ 129	\$ (129)			
	DeGuzio, Danielle Marie (Danielle)	Office	Lead Program Administrator	0	1	-	\$ 47	\$ (47)			
	Holland, Sandra Lorraine (Sandra)	Office	Publishing Support	0	16	-	\$ 1,223	\$ (1,223)			
	Laurent, Sharon M (Sharon)	Office	Project Assistant	0	3	-	\$ 311	\$ (311)			
	Orron, Sandra L (Sandy)	Office	Project Assistant	0	3	-	\$ 430	\$ (430)			
	Orron, Sara S (Sara)	Office	Environmental Support	0	6	-	\$ 462	\$ (462)			
	Quindici, Anthony Nguyen (Tony)	Office	Project Assistant	1008	479	\$ 182,890	\$ 87,263	\$ 95,627			
	Reiser, Sonya (Sonya)	Office	Quality Control	0	17	-	\$ 1,541	\$ (1,541)			
	Stocky, Monica (Monica)	Field	Field Engineer	0	1	-	\$ 50	\$ (50)			
	Twiss, Nancy (Nancy)	Office	Project Assistant	0	130	-	\$ 18,415	\$ (18,415)			
	Tymrak, Kathleen C. (Kathlin)	Office	Project Manager	0	0	-	\$ 21,995	\$ (21,995)			
	Expenses			0	0	\$ 25,000	-	\$ 25,000			
			Project Management Subtotal	1518	799	\$ 352,210	\$ 165,388	\$ 186,822	0	0	0
				Total	4,326	\$ 850,879	\$ 1,298,273	\$ (447,394)	56	24	0
									Monthly Cost	\$ 15,171	\$ 4,921
									AS Value	\$ 20,092	\$ -

**Work on this task will be paused in mid-November, with remaining work shifted to 2019

CP-1370A
60-Hz Outdoor Switchgear
Current Status: Final Design
Anticipated Construction Timeframe: June 2019 - December 2020
Proposal for: Final Design/Bidding, Construction Administration, Management, and Inspection

*Hours and costs shown are based on contract duration schedule as of end of September 2018; any extensions of construction or addition of technical scope will incur additional Jacobs costs

ESTIMATE TO COMPLETE - HOURS									
PENMA Category	Resource	Field/Office	Role	AS Budget Hours	AS Budget \$	AS Incurred Hours	AS Incurred \$	Variance	
Final Design	Brogden, Malcolm (YORK)	Field	Lead Electrical Engineer	0	\$ -	133	\$ 31,722	\$ (31,722)	Dec-18
	Carpenter, William Rodney (Rodney)	Field	Construction Manager	0	\$ -	0	\$ -	\$ -	Nov-18
	CONLEY, MARK A	Office	Civil Designer	0	\$ -	0	\$ -	\$ -	Oct-18
	DeLaney, James (Jim)	Office	Cost Estimator	0	\$ -	43	\$ 10,792	\$ (10,792)	Nov-18
	Guerrero-Pacheco, Eduardo (EDUARDO)	Office	Geotechnical Engineer	0	\$ -	0	\$ -	\$ -	Dec-18
	JAUNSKY, MICHAEL J	Office	Structural Engineer	0	\$ -	0	\$ -	\$ -	Nov-18
	Holland, Sandra Lorraine (Sandra)	Office	Publishing Support	0	\$ -	16	\$ 1,185	\$ (1,185)	Dec-18
	Kaylor, Jill (Jill)	Office	Spec Processor	0	\$ -	4	\$ 353	\$ (353)	Nov-18
	Marsh, Dierdre Thompson (Dierdre)	Office	CAD Technician	0	\$ -	2	\$ 180	\$ (180)	Dec-18
	McGloay, William Robert (Will)	Field	Field Engineer	0	\$ -	5	\$ 549	\$ (549)	Nov-18
	Petris, Gerald (Jerry)	Office	Piping Designer	0	\$ -	16	\$ 3,392	\$ (3,392)	Dec-18
	Reaser, Sonya (Sonya)	Office	Design Manager	0	\$ -	53	\$ 9,714	\$ (9,714)	Nov-18
	Tymrak, Kathleen C. (Kathlin)	Office	Project Manager	0	\$ -	13	\$ 1,809	\$ (1,809)	Dec-18
	Expenses			0	\$ -	0	\$ -	\$ -	Nov-18
			Final Design Subtotal	0	\$ -	284	\$ 59,696	\$ (59,696)	Dec-18
Bidding Services	Brogden, Malcolm (YORK)	Field	Lead Electrical Engineer	0	\$ -	0	\$ -	\$ -	Dec-18
	Carpenter, William Rodney (Rodney)	Field	Construction Manager	0	\$ -	0	\$ -	\$ -	Nov-18
	JAUNSKY, MICHAEL J	Office	Structural Engineer	0	\$ -	0	\$ -	\$ -	Oct-18
	Reaser, Sonya (Sonya)	Office	Design Manager	0	\$ -	0	\$ -	\$ -	Nov-18
	Tymrak, Kathleen C. (Kathlin)	Office	Project Manager	0	\$ -	0	\$ -	\$ -	Dec-18
Construction Admin	Brogden, Malcolm (YORK)	Field	Lead Electrical Engineer	0	\$ -	0	\$ -	\$ -	Dec-18
	JAUNSKY, MICHAEL J	Office	Structural Engineer	0	\$ -	0	\$ -	\$ -	Nov-18
	Kristel, Elizabeth Pricillia (Elizabeth)	Office	CAD Technician	0	\$ -	0	\$ -	\$ -	Oct-18
	Petris, Gerald (Jerry)	Office	Piping Designer	0	\$ -	0	\$ -	\$ -	Nov-18
	Reaser, Sonya (Sonya)	Office	Design Manager	0	\$ -	0	\$ -	\$ -	Dec-18
Construction Management	Brogden, Malcolm (YORK)	Field	Lead Electrical Engineer	0	\$ -	0	\$ -	\$ -	Dec-18
	Carpenter, William Rodney (Rodney)	Field	Construction Manager	0	\$ -	0	\$ -	\$ -	Nov-18
	JAUNSKY, MICHAEL J	Office	Structural Engineer	0	\$ -	0	\$ -	\$ -	Oct-18
	Reaser, Sonya (Sonya)	Office	Design Manager	0	\$ -	0	\$ -	\$ -	Nov-18
	Tymrak, Kathleen C. (Kathlin)	Office	Project Manager	0	\$ -	0	\$ -	\$ -	Dec-18
Inspection	Brogden, Malcolm (YORK)	Field	Lead Electrical Engineer	0	\$ -	0	\$ -	\$ -	Dec-18
	Carpenter, William Rodney (Rodney)	Field	Construction Manager	0	\$ -	0	\$ -	\$ -	Nov-18
	JAUNSKY, MICHAEL J	Office	Structural Engineer	0	\$ -	0	\$ -	\$ -	Oct-18
	Reaser, Sonya (Sonya)	Office	Design Manager	0	\$ -	0	\$ -	\$ -	Nov-18
	Tymrak, Kathleen C. (Kathlin)	Office	Project Manager	0	\$ -	0	\$ -	\$ -	Dec-18
Total				0	\$ -	284	\$ 59,696	\$ (59,696)	
						Monthly Cost		\$ 31,528	\$ 31,528
						2018 ETC Cost Total		\$ 171,698	\$ 171,698

CP-6247
Turbine 4

Current Status: Closeout Phase

Estimated Final Contract Completion: December 2018

Proposal for: Construction Administration, Construction Management, Inspection, and Startup

*Hours and costs shown are based on contract duration schedule as of end of September 2018; any extensions of construction or addition of technical scope will incur additional Jacobs costs													
FEMA Category		Resource	Field/Office	Role	AS Budget Hours	AS Incurred Hours	AS Budget \$	AS Incurred \$	Variance	Oct-18	Nov-18	Dec-18	Amendment 6 Hrs
Construction Management		Brestle, Dennis E (Denny)	Field	Construction Manager	0	-33	-	\$ (6,065)	\$ 6,065				-33
		Earls, Robert Lee (Robert)	Field	Construction Manager	1800	690	\$ 290,034	\$ 110,765	\$ 179,269		80	100	-930
		Harris, Alicia A. (Alicia)	Office	Project Assistant	0	64	-	\$ 7,466	\$ (7,466)				64
		Carpenter, William Rodney (Rodney)	Field	Construction Manager	2043	1018	\$ 497,280	\$ 248,911	\$ 248,369		60	40	-885
		Dmytrachenko, Alexander (Alex)	Office	Project Manager	0	144	-	\$ 25,018	\$ (25,018)				144
		TULL, HERBERT GRAHAM	Field	Startup Specialist	0	37	-	\$ 6,843	\$ (6,843)				37
		Tymrak, Kaitlin C. (Kaitlin)	Office	Project Manager	0	3	-	\$ 428	\$ (428)				3
		Expenses			0	0	\$ 171,385	\$ 172,750	\$ (1,365)	0	0	0	0
		Construction Management Subtotal											
					3843	1923	\$ 958,699	\$ 566,116	\$ 392,583	140	140	40	-1600
Startup		Dempsey, Shannon M (Shanon)	Field	Startup Specialist	500	1245	\$ 111,595	\$ 417,670	\$ (306,075)	0	100	0	845
		McGoey, William Robert (Will)	Field	Field Engineer	0	60	-	\$ 6,337	\$ (6,337)				60
		Menze, Ronald (Ronald)	Office	Turbine Specialist	0	120	-	\$ 26,516	\$ (26,516)				120
		Munson, Michelle Lynn (Michelle)	Field	Field Engineer	0	292	-	\$ 15,247	\$ (15,247)				292
		Stochi, Monica (Monica)	Field	Field Engineer	0	501	-	\$ 46,745	\$ (46,745)	50	50		601
		CAD Technician	Office	CAD Technician	0	0	\$ -	\$ -	\$ -		144	180	324
		TULL, HERBERT GRAHAM	Field	Startup Specialist	400	764	\$ 73,973	\$ 141,289	\$ (67,316)	40	40	40	484
		TRI-TECH	Field	Startup Specialist	0	0	-	\$ -	\$ -	25			25
		Startup Subtotal											
					900	2981	\$ 185,569	\$ 653,804	\$ (468,235)	115	334	220	2750
Engineering Services		Brogden, Malcolm (YORK)	Field	Lead Electrical Engineer	0	45	-	\$ 10,541	\$ (10,541)				45
		Goretzky, Thomas C. (Thomas)	Office	Lead Mechanical Engineer	0	3	-	\$ 629	\$ (629)				3
		Henrikson, Scott Howard (Howie)	Office	Structural Engineer	0	65	-	\$ 11,319	\$ (11,319)	0			65
		Kaylor, Jill (Jill)	Office	Spec Processor	0	1	-	\$ 43	\$ (43)				1
		Lange, Delayne R (Del)	Office	Structural Engineer	0	3	-	\$ 506	\$ (506)	0			3
		Mc Coy, Christopher (Chris)	Office	Mechanical Engineer	0	29	-	\$ 3,378	\$ (3,378)				29
		Menze, Ronald (Ronald)	Office	Turbine Specialist	0	100	-	\$ 22,094	\$ (22,094)	24			124
		Reiser, Sonya (Sonya)	Office	Quality Control	51	18	\$ 9,145	\$ 3,292	\$ 5,853	0	40	40	47
		Engineering Services Subtotal											
					51	263	\$ 9,145	\$ 51,800	\$ (42,656)	24	40	40	317
Inspection		Earls, Robert Lee (Robert)	Field	Construction Manager	0	38	-	\$ 5,973	\$ (5,973)				38
		Milling, Eddie F (Eddie)	Field	Inspector	0	-23	-	\$ (4,584)	\$ 4,584				-23
		Munson, Michelle Lynn (Michelle)	Field	Field Engineer	0	332	-	\$ 17,339	\$ (17,339)				332
		Paul, Bobby E (Bobby)	Field	Construction Manager	600	462	\$ 74,250	\$ 62,893	\$ 11,357				-138
Inspection Subtotal					600	809	\$ 74,250	\$ 81,621	\$ (7,371)	0	0	0	209
Independent Cost Estimates		Costanzo, Frank J (Frank)	Office	Cost Estimator	0	86	-	\$ 18,574	\$ (18,574)				86
		Frisch, Alan J (Alan)	Office	Cost Estimator	0	113	-	\$ 22,812	\$ (22,812)	20			133
		Ross, David H (David)	Office	Lead Cost Estimator	0	81	-	\$ 23,309	\$ (23,309)	30			111
		Independent Cost Estimates Subtotal											
				0	280	-	\$ 64,694	\$ (64,694)	50	0	0	330	
Non-FEMA Support		Brestle, Dennis E (Denny)	Field	Construction Manager	0	33	-	\$ 6,065	\$ (6,065)				33
		Brogden, Malcolm (YORK)	Field	Lead Electrical Engineer	0	42	-	\$ 9,773	\$ (9,773)				42
		Carpenter, William Rodney (Rodney)	Field	Construction Manager	0	295	-	\$ 72,375	\$ (72,375)				295
		Conner, Clifford Bryan (Bryan)	Office	Field Engineer	0	68	-	\$ 6,820	\$ (6,820)				68
		Dempsey, Shannon M (Shanon)	Field	Startup Specialist	0	17	-	\$ 2,850	\$ (2,850)				17
		Earls, Robert Lee (Robert)	Field	Construction Manager	0	341	-	\$ 54,547	\$ (54,547)				341
		Harris, Alicia A. (Alicia)	Office	Project Assistant	0	11	-	\$ 1,283	\$ (1,283)				11
		Martinez, David G (David)	Office	Project Manager	0	40	-	\$ 8,856	\$ (8,856)				40
		Milling, Eddie F (Eddie)	Office	Inspector	0	233	-	\$ 46,499	\$ (46,499)				233
		Paul, Bobby E (Bobby)	Field	Construction Manager	0	260	-	\$ 32,224	\$ (32,224)				260
Expenses					0	0	\$ -	\$ 35,624	\$ (35,624)			0	
Non-FEMA Support Subtotal					0	1340	\$ -	\$ 276,915	\$ (276,915)	0	0	0	1340
Total										329	514	300	3553
2018 Monthly Cost										\$ 98,298	\$ 99,798	\$ 52,170	

*Hours and costs shown are based on contract duration schedule as of end of September 2018; any extensions of construction or addition of technical scope will incur additional Jacobs costs

CP-6249

D/B Feeders

Current Status: Construction Phase

Estimated Final Contract Completion: October 2019

Proposal for: Construction Administration, Construction Management, and Inspection

*Hours and costs shown are based on contract duration schedule as of end of September 2018; any extensions of construction or addition of technical scope will incur additional Jacobs costs ESTIMATE TO COMPLETE - HOURS									
FEMA Category	Resource	Field/Office	Role	AS Budget Hours	AS Incurred Hours	AS Budget \$	AS Incurred \$	Variance	Dec-18
Construction Administration	CASSANOVA, REGINA	Office	Project Manager	100	319	\$ 18,260	\$ 582,49	\$ (39,989)	60
	COOKMEYER, LISA	Office	Senior Project Manager	80	25	\$ 19,360	\$ 6050	\$ 13,310	4
	KOLENOVSKY, GREGORY	Office	Lead Engineer	40	14	\$ 9,680	\$ 3267	\$ 6,413	1
	WALL, NICHOLAS	Office	Field Engineer	370	41	\$ 55,352	\$ 6059	\$ 49,293	4
	Expenses (Trigon)			0	0	\$ 300	\$ 48	\$ 252	5
	Norris, Chris (Chris)	Office	Construction Manager	0	0	\$ -	\$ 4956	\$ (4,956)	
	Reiser, Sonya (Sonya)	Office	Quality Control	50	27	\$ 9,145	\$ 0	\$ 9,145	
	Brown, Timothy T. (Tim)	Field	Construction Administration Subtotal	640	425	\$ 112,096	\$ 78630	\$ 33,467	69
	Carpenter, William Rodney (Rodney)	Field	Construction Manager	1203	691	\$ 282,996	\$ 162137	\$ 120,859	97
	Frieh, Alan J (Alan)	Office	Cost Estimator	0	3	\$ -	\$ 0	\$ -	40
Construction Management	Munson, Michelle Lynn (Michelle)	Office	Field Engineer	0	14	\$ -	\$ 732	\$ (732)	
	Norris, Chris (Chris)	Office	Construction Manager	0	41	\$ -	\$ 7644	\$ (7,644)	
	Stewart, John (John)	Field	Construction Manager	0	58	\$ -	\$ 8321	\$ (8,321)	
	Expenses			0	0	\$ 50,000	\$ 28784	\$ 21,216	
	Brown, Timothy T. (Tim)	Field	Construction Management Subtotal	1203	807	\$ 332,996	\$ 208224	\$ 124,772	40
	Norris, Chris (Chris)	Office	Construction Manager	0	59	\$ -	\$ 13796	\$ (13,796)	40
				0	3	\$ -	\$ 559	\$ (559)	
				0	62	\$ -	\$ 14356	\$ (14,356)	0
				0	14	\$ -	\$ 3448	\$ (1,448)	
				2400	895	\$ 248,160	\$ 92491	\$ 155,669	180
Inspection	FARLEIGH, ARDEN III	Field	Inspector	0	48	\$ -	\$ 5174	\$ (5,174)	240
	RAFFIELD, WALTER	Field	Inspector	0	48	\$ -	\$ 5174	\$ (5,174)	240
	Vu, Vy	Field	Inspector	2400	957	\$ 248,160	\$ 99113	\$ 149,047	180
	James Hudson	Field	Inspector	0	10	\$ -	\$ 1034	\$ (1,034)	
	RAFFIELD, WALTER	Field	Inspector	0	54	\$ -	\$ 5584	\$ (5,584)	
				0	64	\$ -	\$ 6618	\$ (6,618)	0
				0	2,314	\$ 693,252	\$ 406,940	\$ 286,312	377
				4,243					362
									0
									0
2018 ETC Cost Total									\$ 43,293
Monthly Cost									\$ 56,389
2018 ETC Cost Total									\$ 158,854

Cooling Water Study
Current Status: Conceptual Design
Anticipated Work Completion: December 2018
Proposal for: Conceptual Design

*Hours and costs shown are based on original project scope; any addition of technical scope will incur additional Jacobs costs

Conceptual Design Resource	Field/Office	Role	AS Budget Hours	AS Incurred Hours	AS Budget \$	AS Incurred \$	Variance	ESTIMATE TO COMPLETE - HOURS		
								Oct-18	Nov-18	Dec-18
CAD Technician	Office	Budgetary Placeholder	160	0	\$ 15,837	0	\$ 15,836.80			
Electrical Engineer	Office	Budgetary Placeholder	400	0	\$ 95,404	0	\$ 95,404.00			
Mechanical Engineer	Office	Budgetary Placeholder	560	0	\$ 77,123	0	\$ 77,123.20			
Project Manager	Office	Budgetary Placeholder	165	0	\$ 30,177	0	\$ 30,176.85			
Water Engineer	Office	Budgetary Placeholder	520	0	\$ 126,797	0	\$ 126,796.80			
Field Engineer	Field	Budgetary Placeholder	140	0	\$ 35,000	0	\$ 35,000.00			
Brett, Shannon (Shanon)	Office	CAD Technician	0	0	\$ -	0	\$ -			
Brogden, Malcolm (YORK)	Office	Electrical Engineer	0	0	\$ -	0	\$ -			
Carpenter, William Rodney (Rodney)	Field	Subject Matter Expert	0	0	\$ -	0	\$ -			
CURS, DAVID A (DAVE)	Field	Mechanical Designer	0	1	\$ -	53	\$ (53.25)			
Farr, Christopher Royce (Chris)	Office	Project Management	0	36	\$ -	7242	\$ (7,242.10)	5		
Grabowski, Christopher R (Chris)	Office	Piping Engineer	0	0	\$ -	0	\$ -			
LINDLEY, LANCE	Field	Placeholder	0	171	\$ -	7892	\$ (7,892.14)	31		
MOORE, KYLE ALAN	Office	Mechanical Engineer	0	1	\$ -	121	\$ (120.70)			
Reiser, Sonva (Sonva)	Office	Quality Control	0	9	\$ -	1556	\$ (1,556.10)	10	40	
SCHWASS, RODERICK G	Office	Design Manager	0	202	\$ -	50456	\$ (50,455.56)	56		
Stochl, Monica (Monica)	Office	Field Engineer	0	244	\$ -	22789	\$ (22,788.53)	78	40	
Tuli, Herb	Field	Subject Matter Expert	0	198	\$ -	36524	\$ (36,524.38)	48	40	
Tymrak, Kaitlin C. (Kaitlin)	Office	Project Manager	0	2	\$ -	285	\$ (285.16)			
Zornes, Greta Lynn (Greta)	Office	Water Engineer	0	121	\$ -	29518	\$ (29,518.44)	24	30	
Expenses			0	0	\$ 20,000	4963	\$ 15,037.38			
Total			1,945	984	\$ 400,338	\$ 161,399	\$ 238,939	252	150	0
								2018 Monthly Cost \$42,964 \$ 26,709 \$ -		

**Work on this task will be paused in mid-November, with remaining work shifted to 2019

Anticipated Work Completion: December 2020

PEMA Category		Resource	Field/	Role	AS Budget	AS Incurred	AS Budget \$	AS Incurred \$	Variance	Oct-18	Nov-18	Dec-18
Hours	Costs				Hours	Hours						
		Bergeson, Ted Craig (Ted)	Office	Procurement Manager	0	194	\$ -	\$ 31,138	\$ (31,137.57)			
		Blanton, Michele Ann (Michele)	Office	Procurement Support	0	1	\$ -	\$ 56	\$ (55.79)			
		Brennan, McLaren (McLaren)	Office	Procurement Support	0	8	\$ -	\$ 778	\$ (777.88)			
		Brestle, Dennis E (Denny)	Office	Construction Manager	1002	989	\$ 187,010	\$ 184,151	\$ 2,859.14			
		Bruce, Paul James (Paul)	Office	Program Controls Manager	802	926	\$ 220,672	\$ 254,549	\$ (33,876.82)	120	120	120
		Cannon, Kyle Lynne (Kyle)	Office	Scheduling Support	0	3	\$ -	\$ 685	\$ (685.49)			
		Carpenter, William Rodney (Rodney)	Field	Construction Manager	0	7	\$ -	\$ -	\$ -			
		Castiglione, Jennifer Ann (Jennifer)	Office	Document Controls Support	0	7	\$ -	\$ 1,159	\$ (1,159.04)			
		Cepress-McLean, Sidney Charles (Sidney)	Office	Field Engineer	0	64	\$ -	\$ 508	\$ (507.82)			
		Clarke, Michael R (Michael)	Office	Cost Estimator	0	64	\$ 3,734	\$ 13,363	\$ (9,629.24)			
		Cyrier, Alan (Alan)	Office	Health and Safety Manager	21	0	\$ -	\$ -	\$ 733.60	2	2	2
		DeGruiche, Danielle Marie (Danielle)	Office	Lead Program Administrator	1303	884	\$ 121,628	\$ 82,203	\$ 39,424.79	160	152	140
		Ebling, Paula (Paula)	Office	Publishing Support	0	31	\$ -	\$ 318	\$ (318.30)			
		Flores, Oscar A (Oscar)	Office	Cost Analyst	803	408	\$ 168,536	\$ 84,416	\$ 84,119.79			
		Frisch, Alan J (Alan)	Office	Cost Estimator	0	0	\$ -	\$ -	\$ -			
		Garcia, Michelle (Michelle)	Office	Project Assistant	0	2	\$ -	\$ 187	\$ (187.46)			
		Gaze, Amanda Joy (Amanda)	Office	Technical Support	0	126	\$ -	\$ 29,135	\$ (29,135.36)			
		Gray, D Michael (Mike)	Office	Publishing Support	0	28	\$ -	\$ 7150	\$ (7,149.78)			
		Harter, Sarah (Sarah)	Office	Publishing Support	0	1	\$ -	\$ 79	\$ (79.28)			
		Hawkins, Michelle A (Michelle)	Office	Accounting Support	0	17	\$ -	\$ 1,712	\$ (1,712.04)			
		Hayden, Robert (Bob)	Office	Program Manager	0	105	\$ -	\$ 30,260	\$ (30,260.43)			
		Ibrahim, Freshia (Freshia)	Office	Cost Analyst	0	542	\$ -	\$ 63,495	\$ (63,494.59)	40	40	40
		Jaskolka, Malgorzata (Malgorzata)	Office	Accounting	0	153	\$ -	\$ 4,963	\$ (4,962.64)			
		Kozak, Magdalena (Magdalena)	Office	Accounting	0	-16	\$ -	\$ (536)	\$ 535.53			
		LABOR	Office	Accounting	0	12	\$ -	\$ 371	\$ (370.58)			
		LABOR	Office	Accounting	0	0	\$ -	\$ -	\$ -			
		Lundberg, Paul A (Paul)	Office	Project Assistant	0	1	\$ -	\$ 72	\$ (72.45)			
		Menze, Ronald (Ronald)	Office	Turbine Specialist	255	119	\$ 55,235	\$ 26,067	\$ 29,168.37			
		Millet, Susan S (Susan)	Office	Project Assistant	0	10	\$ -	\$ 887	\$ (887.02)			
		Munson, Michelle Lynn (Michelle)	Office	Field Engineer	0	262	\$ -	\$ 13,689	\$ (13,688.62)			
		Newson, Pamela A. (Pam)	Office	Lead Program Coordinator	0	672	\$ -	\$ 71,459	\$ (71,459.97)	150	144	180
		Orzel, Katarzyna (Katarzyna)	Office	Accounting	0	6	\$ -	\$ 69	\$ (68.98)			
		Reiser, Sonja (Sonja)	Office	Quality Control	0	254	\$ -	\$ 45,941	\$ (45,941.04)			
		Roberts, Angela F (Angela)	Office	Technical Support	0	2	\$ -	\$ 488	\$ (488.29)			
		Rokavak, Yohva Ahmed (Yahya)	Office	Program Manager	1806	1091	\$ 382,770	\$ 230,631	\$ 152,138.54	160	144	18

**WEST BANK WASTEWATER TREATMENT PLANT MUNICIPAL WATER POLLUTION
PREVENTION ENVIRONMENTAL AUDIT**

WHEREAS, on September 25, 2018, the Board's wastewater operator (Veolia Water North America) completed the Louisiana Municipal Water Pollution Prevention report for the West Bank Wastewater Treatment Plant for the period September 1, 2017 to August 31, 2018; and

WHEREAS, the Board has reviewed the Municipal Water Pollution Prevention Environmental Audit Report, prepared for the Louisiana Department of Environmental Quality, which is attached to this resolution; and

WHEREAS, no corrective action is needed at this time, to maintain permit requirements contained in the Louisiana Water Discharge Permit System (LWPDPS) Number LA0038105. However, during this audit reporting period, to reduce sanitary sewer overflows due to collection system blockages, force main failures and sewer pumping station outages, the Board and/or its contactors performed the following collection system and sewer station preventive maintenance actions:

- Inspected 806,000 feet of the sewer system;
- Inspected 434 sewer manholes;
- Completed 19 repairs;
- Inspected a total of 2,361 feet of sewer line utilizing CCTV;
- Cleaned 86,000.00 feet of the sewer system;
- Completed 1,225 sewage pumping station preventive maintenance tasks and 148 corrective maintenance actions.

NOW, THEREFORE BE IT RESOLVED that the Board hereby acknowledges receipt and review of the report and assures performance of any actions necessary to maintain permit requirements.

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 14, 2018.

Ghassan Korban
Executive Director
SEWERAGE AND WATER BOARD OF NEW ORLEANS



SEWERAGE AND WATER BOARD

Inter-Office Memorandum

Date: October 2, 2018

To: Bruce Adams, Interim General Superintendent

From: Ann Wilson, Chief of Environmental Affairs

Re: Municipal Water Pollution Prevention Audit (MWPP)
West Bank Wastewater Treatment Plant

Attached please find the MWPP Audit for the period September 1, 2017 to August 31, 2018. There were no areas of concern found during the self-audit conducted by Veolia Water and SWBNO personnel. The facility's LPDES Permit requires the Board of Directors review this document and pass a resolution to document this review. A draft resolution is included for your review.

Please place this item on the agenda for the November 21, 2018 Board meeting.

Ann Wilson
Chief of Environmental Affairs
Sewerage and Water Board of New Orleans



SEWERAGE AND WATER BOARD

Inter-Office Memorandum

Date: October 8, 2018

To: Ghassan Korban, Executive Director

From: Bruce Adams, Interim General Superintendent

Re: Municipal Water Pollution Prevention Audit (MWPP)
West Bank Wastewater Treatment Plant

Attached please find the MWPP Audit for the period September 1, 2017 to August 31, 2018. There were no areas of concern found during the self-audit conducted by Veolia Water and SWBNO personnel. The facility's LPDES Permit requires the Board of Directors review this document and pass a resolution to document this review. A draft resolution is included for your review.

Please place this item on the agenda for the November 21, 2018 Board meeting.

Bruce Adams
Interim General Superintendent
Sewerage and Water Board of New Orleans

LOUISIANA

MUNICIPAL WATER POLLUTION PREVENTION

MWPP



Facility Name:	New Orleans West Bank WWTP
LPDES Permit Number:	LA0038105
Agency Interest (AI) Number:	4688
Address:	3501 Canal Street
	New Orleans, LA 70131
Parish:	Orleans
(Person Completing Form) Name:	John Kennedy
Title:	Project Manager
Date Completed:	09/25/2018

Instructions to the Operator-in-Charge

- 1. Complete only the sections of the Environmental Audit which apply to your wastewater treatment system. Leave sections that do not apply blank and enter a "0" for the point value.**
- 2. Parts 1 through 7 contain questions for which points may be generated. These points are intended to communicate to the department and the governing body or owner what actions will be necessary to prevent effluent violations. Place the point totals from parts 1 through 7 on the Point Calculation page.**
- 3. Add up the point totals.**
- 4. Submit the Environmental Audit to the governing body or owner for their review and approval.**
- 5. The governing body must pass a resolution which contains the following items:**
 - a. The resolution or letter must acknowledge the governing body or owner has reviewed the Environmental Audit.**
 - b. The resolution must indicate specific actions, if any, will be taken to maintain compliance and prevent effluent violations. Proposed actions should address the parts where maximum or close to maximum points were generated in the Environmental Audit.**
 - c. The resolution should provide any other information the governing body deems appropriate.**

PART 1: INFLUENT FLOW/LOADINGS**Part 1: Influent Flow/Loadings (All plants)**

A. List the average monthly volumetric flows and BOD loadings received at your facility during the last reporting year.

	Col. 1 Average Monthly Flow (million gallons per day, MGD)		Col. 2 Average Monthly BOD ₅ Concentration (mg/l)		Col. 3 Average Monthly BOD ₅ Loading (pounds per day)
Sep-17	9.3	X	81	X 8.34 =	6,282.5
Oct-17	12.7	X	68	X 8.34 =	7,202.4
Nov-17	8.1	X	111	X 8.34 =	7,498.5
Dec-17	10.4	X	86	X 8.34 =	7,459.3
Jan-18	11.3	X	77	X 8.34 =	7,256.6
Feb-18	11.1	X	80	X 8.34 =	7,405.9
Mar-18	9.4	X	101	X 8.34 =	7,918.0
Apr-18	11.5	X	98	X 8.34 =	9,399.2
May-18	9.1	X	105	X 8.34 =	7,968.9
Jun-18	10.5	X	88	X 8.34 =	7,706.2
Jul-18	11.0	X	80	X 8.34 =	7,339.2
Aug-18	10.6	X	92	X 8.34 =	8,133.2

BOD loading = Average Monthly Flow (in MGD) x Average Monthly BOD concentration (in mg/l) x 8.34.

B. List the design flow and design BOD loading for your facility in the blanks below. If you are not aware of these design quantities, refer to your Operation and Maintenance Manual (O & M) or contact your consulting engineer.

Design Flow, MGD

20

X 0.90 =

18

Design BOD, lb/day

14,972

X 0.90 =

13,475

- C. How many months did the monthly flow (Col. 1) to the wastewater treatment plant (WWTP) exceed 90% of design flow?

Circle the number of months and corresponding point total. Write the point total in the box below at the right.

months	0	1	2	3	4	5	6	7	8	9	10	11	12	months
points	0	0	0	0	0	5	5	5	5	5	5	5	5	points

Write 0 or 5 in the C point total box C Point Total

- D. How many months did the monthly flow (Col. 1) to the WWTP exceed the design flow?

Circle the number of months and corresponding point total. Write the point total in the box below at the right.

months	0	1	2	3	4	5	6	7	8	9	10	11	12	months
points	0	5	5	10	10	15	15	15	15	15	15	15	15	points

Write 0, 5, 10, or 15 in the D point total box D Point Total

- E. How many months did the monthly BOD loading (Col. 3) to the WWTP exceed 90% of the design loading?

Circle the number of months and corresponding point total. Write the point total in the box below at the right.

months	0	1	2	3	4	5	6	7	8	9	10	11	12	months
points	0	0	5	5	5	0	10	10	10	10	10	10	10	points

Write 0, 5, or 10 in the E point total box E Point Total

- F. How many times did the monthly BOD loading (Col. 3) to the WWTP exceed the design loading?

Circle the number of months and corresponding point total. Write the point total in the box below at the right.

months	0	1	2	3	4	5	6	7	8	9	10	11	12	months
points	0	10	20	30	40	50	50	50	50	50	50	50	50	points

Write 0, 10, 20, 30, 40, or 50 in the F point total box F Point Total

- G. Add together each point total for C through F and place this sum in the box below at the right.

TOTAL POINT VALUE FOR PART 1 (max=80)

Also enter this value on the point calculation table on page 16.

PART 2: EFFLUENT QUALITY/PLANT PERFORMANCE

A. List the monthly average effluent BOD and TSS concentrations produced by your facility during the last reporting year.

Month	Column 1 Avg. Monthly BOD (mg/l)	Column 2 Avg. Monthly TSS (mg/l)
Sep-17	6	8
Oct-17	5	8
Nov 17	6	8
Dec-17	9	12
Jan-18	10	13
Feb-18	12	14
Mar-18	13	14
Apr-18	17	21
May-18	21	18
Jun-18	9	12
Jul-18	6	9
Aug-18	4	6

B. List the monthly average permit limits for your facility in the blanks below.

	Permit Limit		90% of Permit Limit
BOD, mg/l	30	X 0.90 =	27
TSS, mg/l	30	X 0.90 =	27

C. Continuous Discharge to Surface Water

- i. How many months did the effluent BOD concentration (Col. 1) exceeds 90% of permit limits?
Circle the number of months and corresponding point total. Write the point total in the box below at the right.

months	0	1	2	3	4	5	6	7	8	9	10	11	12	months
points	0	0	10	20	30	40	40	40	40	40	40	40	40	points

Write 0, 10, 20, 30 or 40 in the i point total box i Point Total

- ii. How many months did the effluent BOD concentration (Col. 1) exceeds permit limits?
Circle the number of months and corresponding point total. Write the point total in the box below at the right.

months	0	1	2	3	4	5	6	7	8	9	10	11	12	months
points	0	5	5	10	10	10	10	10	10	10	10	10	10	points

Write 0, 5, or 10 in the ii point total box ii Point Total

- iii. How many months did the effluent TSS concentration (Col. 2) exceed 90% of permit limits?
Circle the number of months and corresponding point total. Write the point total in the box below at the right.

months	0	1	2	3	4	5	6	7	8	9	10	11	12	months
points	0	0	10	20	30	40	40	40	40	40	40	40	40	points

Write 0, 10, 20, 30, or 40 in the iii point total box iii Point Total

- iv. How many months did the effluent TSS concentration (Col.2) exceed permit limits?
Circle the number of months and corresponding point total. Write the point total in the box below at the right.

months	0	1	2	3	4	5	6	7	8	9	10	11	12	months
points	0	5	5	10	10	10	10	10	10	10	10	10	10	points

Write 0, 5, or 10 in the iv point total box iv Point Total

- v. Add together each point total for i through iv and place this sum in the box below at the right.

TOTAL POINT VALUE FOR PART 2 (max=100)
Also enter this value on the point calculation table on page 15.

Permit #

LA0038105

D. Other Monitoring and Limits

- i. At any time in the past year was there an exceedance of a permit limit for other pollutants such as: ammonia-nitrogen, phosphorus, pH, residual chlorine, or fecal coliform?

* Check one box

☐

Yes

☒

No

If yes, please describe:

- ii. At any time in the past year was there a "failure" of a Biomonitoring (Whole Effluent Toxicity) test of the effluent?

* Check one box

☐

Yes

☒

No

If yes, please describe:

- iii. At any time in the past year was there an exceedance of a permit limit for a toxic substance?

* Check one box

☒

Yes

☐

No

If yes, please describe:

In the past year the following toxic substances for effluent samples were exceeded:

Substance:	Limit:	Result:	Date :
Arsenic (Total)	5 ug/l	6.4 ug/l	03/13-14/2018
Aluminum	2.5 ug/l	88.7 ug/l	03/13-14/2018
Copper (Total)	2 ug/l	6.3 ug/l	03/13-14/2018
Mercury (Total)	0.0005 ug/l	0.00606 ug/l	03/13-14/2018

PART 3: AGE OF THE WASTEWATER TREATMENT FACILITIES

- A. What year was the wastewater treatment plant constructed or last major expansion/improvements completed? 1974

$$\begin{array}{rclclcl} \text{Current Year} & - & (\text{Answer to A}) & = & \text{Age in years} \\ \underline{2018} & - & \underline{1974} & = & \underline{44} \text{ years} \end{array}$$

Enter Age in Part C below.

- B. Check the type of treatment facility that is employed:

		Factor
<u>X</u>	Mechanical Treatment Plant (Trickling filter, activated sludge, etc.) Specify Type <u>Trickling Filter</u>	2.5
<u> </u>	Aerated Lagoon	2.0
<u> </u>	Stabilization Pond	1.5
<u> </u>	Other (Specify) <u> </u>	1.0

- C. Multiply the factor listed next to the type of facility your community employs by the age of your facility to determine the total point value of Part 3:

$$\text{TOTAL POINT VALUE FOR PART 3} = \frac{2.5}{\text{FACTOR}} \times \frac{44}{\text{AGE}} = \boxed{110} \quad (\text{max.} = 50)$$

Also enter this value or 50, whichever is less, on the point calculation table on page 15.

- D. Please attach a schematic of the treatment plant.

PART 4: OVERFLOWS AND BYPASSES

- A. (1) List the number of times in the last year there was an overflow, bypass, or unpermitted discharge of untreated or incompletely treated wastewater due to heavy rain: 1

(Circle One) 0 = 0 points 1 = 5 points 2 = 10 points
3 = 15 points 4 = 30 points 5 or more = 50 points

- (2) List the number of bypasses, overflows, or unpermitted discharges shown in A (1) that were within the collection system and the number at the treatment plant.

Collection System 1 Treatment Plant 0

- B. (1) List the number of times in the last year there was a bypass or overflow of untreated or incompletely treated wastewater due to equipment failure, either at the treatment plant or due to pumping problems in the collection system: 3

(Circle One) 0 = 0 points 1 = 5 points 2 = 10 points
3 = 15 points 4 = 30 points 5 or more = 50 points

- (2) List the number of bypasses or overflows shown in B (1) that were within the collection system and the number at the treatment plant.

Collection System 3 Treatment Plant 0

- C. Specify whether the bypasses came from the city or village sewer system or from contract or tributary communities/sanitary districts, etc.

The collection system bypasses came from the city's sewer system.

- D. Add the point values circled for A and B and place the total in the box below.

TOTAL POINT VALUE FOR PART 4 20 (max=100)

Also enter this value on the point calculation table on page 15.

- E. List the person responsible for reporting overflows, bypasses, or unpermitted discharges to State and Federal authorities:

Monthly bypass reports are signed by the Executive Director of the SWBNO. The reports are submitted to the Department of Environmental Quality.

Describe the procedure for gathering, compiling, and reporting:

RJN Cassworks Infrastructure Maintenance Management System is used to track overflows by retrieving pertinent information from work orders.

PART 5: SLUDGE STORAGE AND DISPOSAL SITES**A. Sludge Storage**

How many months of sludge storage capacity does your wastewater treatment facility have available, either on-site or off-site?

Circle the number of months and corresponding point total. Write the point total in the box below at the right.

months	<2	2	3	4 to 5	>6	months
points	50	30	20	10	0	points

Write 0, 10, 20, 30, or 50 in the A point total box A Point Total

B. For how many months does your facility have access to (and approval for) sufficient land disposal sites to provide proper land disposal?

Circle the number of months and corresponding point total. Write the point total in the box below at the right.

months	<2	6 to 11	12 to 23	24 to 35	>36	months
points	50	30	20	10	0	points

Write 0, 10, 20, 30, or 50 in the B point total box B Point Total

C. Add together the A and B point values and place this sum in the box below at the right:

TOTAL POINT VALUE FOR PART 5 (max=100)

Also enter this value on the point calculation table on page 15.

PART 6: NEW DEVELOPMENT

- A. Please provide the following information for the total of all sewer line extensions which were installed during the last year. NA

Design Population: _____

Design Flow: _____ MGD

Design BOD₅: _____ mg/l

- B. Has an industry (or other development) moved into the community or expanded production in the past year, such that either flow or pollutant loadings to the sewerage system were significantly increased (5% or greater)?

(Circle One)

☒ No

= 0 points

Yes = 15 points

Describe: _____

List any new pollutants: _____

- C. Is there any development (industrial, commercial, or residential) anticipated in the next 2-3 years, such that either flow or pollutant loadings to the sewerage system could significantly increase?

(Circle One)

☒ No

= 0 points

Yes = 15 points

Describe: _____

List any new pollutants that you anticipate: _____

- D. Add together the point value circled in B and C and place the sum in the blank below.

TOTAL POINT VALUE FOR PART 6**0****(max=30)**

Also enter this value on the point calculation table on page 15.

PART 7: OPERATOR CERTIFICATION AND EDUCATION

- A. What was the name of the operator-in-charge for the reporting year? Cantrelle Larkins
- B. What is his/her certification number? #15-250 October, 1992
- C. What level of certification is the operator-in-charge required to have to operate the wastewater treatment plant?
Class IV Wastewater Treatment
- D. What is the level of certification of the operator-in-charge? Class IV Wastewater Treatment **Level Certified**
- E. Was the operator-in-charge of the report year certified at least at the grade level required in order to operate this plant?

* Check one box ☒ yes = 0 points ☐ no = 50 points

Write 0 or 50 in the E point total box E Point Total

- F. Has the operator-in-charge maintained recertification requirements during the reporting year?
- * Check one box ☒ yes ☐ no
- G. How many hours of continuing education has the operator-in-charge completed over the last two calendar years?
- * Check one box ☒ 12 hours or more = 0 points ☐ Less than 12 hours = 50 points
- Write 0 or 50 in the G point total box G Point Total
- H. Is there a written policy regarding continuing education and training for wastewater treatment plant employees?
- * Check one box ☒ yes ☐ no

Explain:

All personnel maintained at least 16 hours of training every two years for Wastewater Treatment certifications. Veolia implements an internal training and safety program that meets all State Operator Certification training requirements. Additionally, 16 hours of cross training are provided

- I. What percentage of the continuing education expenses of the operator-in-charge were paid for:
- By the permittee? 100% Veolia
- By the operator? _____
- J. Add together the E and G point values and place this sum in the box below at the right:

TOTAL POINT VALUE FOR PART 7 **(max=100)**

Also enter this value on the point calculation table on page 15.

PART 8: FINANCIAL STATUS

- A. Are User-Charge Revenues sufficient to cover operation and maintenance expenses?

Check one box

☒ x

Yes

☐

No

If no, how are O & M costs being financed?

Explain:

In 2012, the New Orleans City Council approved eight consecutive annual 10 percent water rate increases beginning January 1, 2013.

Revenue from Plumbing Inspections, License Fees and Other Miscellaneous Revenue

- B. What financial resources do you have available to pay for your wastewater improvements and reconstruction needs?

Revenues in excess of expenses and proceeds from bond issues.

PART 9: SUBJECTIVE EVALUATION

A. Collection System Maintenance

1. Describe what sewer system maintenance work has been done in the last year.

Sewer Line Inspections: 806,000feet
 Sewer Line Cleanings: 86,000 feet
 Sewer Repairs: 19
 Sewer Man Hole Inspections 434
 CCTV 2,361 feet

2. Describe what lift station work has been done in the last year.

The Board's Operations and Facility Maintenance personnel completed 1,225 sewage pumping station preventive maintenance tasks and 148 corrective maintenance actions from September 1, 2017 to August 31, 2018.

3. What collection system improvements does the community have under consideration for the next 5 years?

Even though the West Bank is not mandated to improve the collection system in accordance with the Third Modified Consent Decree, repairs and improvements are made when identified through sewer main inspections, sewer main cleaning and manhole inspections.

B. If you have ponds, please answer the following questions: N/A

- | | | |
|--|------------------------------|-----------------------------|
| 1. Do you have duckweed buildup in your ponds? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 2. Do you mow your dikes regularly (at least monthly), to the waters edge? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 3. Do you have bushes or trees growing on the dikes or in the ponds? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 4. Do you have excess sludge buildup (>1 foot) on the bottom of any of your ponds? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 5. Do you exercise all of your valves? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 6. Are your control manholes in good structural shape? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 7. Do you maintain at least three feet of freeboard in all your ponds? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 8. Do you visit your pond system, at least weekly? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |

Permit #

LA0038105

C. Treatment Plants

1. Have the influent and effluent flow meters been calibrated in the last year? ☒ Yes ☐ No

Influent flow meter calibration date(s):

Effluent flow meter calibration date(s):

The most recent calibration of that period –
8/16/2018 – The Flow Meters are calibrated
monthly

The most recent calibration of that period –
08/16/2018 – The Flow Meters are calibrated
monthly

2. What problems, if any, have been experienced over the last year that has threatened treatment?

None

3. Is your community presently involved in formal planning for treatment facility upgrading?

☐

Yes

☒

No If yes, describe:

D. Preventive Maintenance

1. Does your plant have a written plan for preventive maintenance on major equipment items?

☒ Yes ☐ No If yes, describe:

Current system utilizes a computer generated maintenance work order system for both preventive and emergency repairs on all components in the plants.

Each piece of equipment's O&M manual is closely followed to ensure all factory preventive maintenance recommendations are performed.

2. Does this preventive maintenance program depict frequency of intervals, types of lubrication, and other preventive maintenance tasks necessary for each piece of equipment? ☒ Yes ☐ No

3. Are these preventive maintenance tasks, as well as equipment problems, being recorded and filed so future maintenance problems can be assessed properly? ☒ Yes ☐ No

E. Sewer Use Ordinance

1. Does your community have a sewer use ordinance that limits or prohibits the discharge of excessive conventional pollutants (BOD, TSS, or pH) or toxic substances to the sewer from industries, commercial users, and residences?

☒ Yes ☐ No If yes, describe:

E.P.A. approved Pretreatment Program and Section 16 of the Sewerage & Water Board of New Orleans Plumbing Code.

The implementation of a Fats, Oils, and Grease Program, Section 16.5 of the Sewerage & Water Board of New Orleans Plumbing Code, that involves the annual issuance of a Grease Trap Discharge Permit to all Food Service Establishments in Orleans Parish.

2. Has it been necessary to enforce? ☒ Yes ☐ No If yes, describe:

E.P.A. approved Pretreatment Program requires sampling/monitoring of Significant Industrial Users to demonstrate compliance with applicable Federal, State and Local discharge requirements.

F. Any additional comments about your treatment plant or collection system? (Attach additional sheet if necessary.)

POINT CALCULATION TABLE

Fill in the values from parts 1 through 7 in the columns below. Add the numbers in the left column to determine the point total that the wastewater system has generated for the previous year.

	Actual Values	Actual Values	Maximum
Part 1:	Influent Flow/Loadings	<u>0</u>	80 Points
Part 2:	Effluent Quality/Plant Performance	<u>0</u>	100 Points
Part 3:	Age of WWTP	<u>50</u>	50 Points
Part 4:	Overflows and Bypasses	<u>20</u>	100 Points
Part 5:	Ultimate Disposition of Sludge	<u>0</u>	100 Points
Part 6:	New Development	<u>0</u>	30 Points
Part 7:	Operator Certification Training	<u>0</u>	100 Points

TOTAL POINTS**70**

EAST BANK WASTEWATER TREATMENT PLANT MUNICIPAL WATER POLLUTION PREVENTION ENVIRONMENTAL AUDIT

WHEREAS, on August 9, 2018, the Board's wastewater operator (Veolia Water North America) completed the Louisiana Municipal Water Pollution Prevention report for the East Bank Wastewater Treatment Plant for the period, June 1, 2017 to May 31, 2018; and

WHEREAS, the Board has reviewed the Municipal Water Pollution Prevention Environmental Audit Report, prepared for the Louisiana Department of Environmental Quality, which is attached to this resolution; and

WHEREAS, no corrective action is needed at this time, to maintain permit requirements contained in the Louisiana Water Discharge Permit System (LWPDPS) Number LA0038091. However, during this audit reporting period, to reduce sanitary sewer overflows due to collection system blockages, force main failures and sewer pumping station outages, the Board and/or its contactors preformed the following collection system and sewer station preventive maintenance actions:

- Inspected 1,085,829.70 feet of the sewer system, 8,299 sewer manholes, completed 1,622 repairs, and cleaned 1,086,000.00 feet of the sewer system;
- Inspected a cumulative total of 51,180.00 feet of sewer line utilizing CCTV and a cumulative total of 1,038,633.70 feet of sewer line utilizing Smoke Testing;
- Inspected and maintained 68 known air release valves;
- Inspected and exercised 170 sewer force main isolation valves;
- Conducted 22 cathodic protection surveys;
- Visually inspected (100%) of the 102 miles of sewer force mains;
- Completed 4,719 sewage pumping station preventative maintenance tasks and 468 corrective maintenance actions.

NOW, THEREFORE BE IT RESOLVED that the Board hereby acknowledges receipt and review of the report and assures performance of any actions necessary to maintain permit requirements.

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 14, 2018.

Ghassan Korban
Executive Director
SEWERAGE AND WATER BOARD OF NEW ORLEANS



SEWERAGE AND WATER BOARD

Inter-Office Memorandum

Date: October 8, 2018

To: Bruce Adams, Interim General Superintendent

From: Ann Wilson, Chief of Environmental Affairs

Re: Municipal Water Pollution Prevention Audit (MWPP)
East Bank Wastewater Treatment Plant

Attached please find the MWPP Audit for the period June 1, 2017 to May 31, 2018. There were no areas of concern found during the self-audit conducted by Veolia Water and SWBNO personnel. The facility's LPDES Permit requires the Board of Directors review this document and pass a resolution to document this review. A draft resolution is included for your review.

Please place this item on the agenda for the November 21, 2018 Board meeting.

Ann Wilson
Chief of Environmental Affairs
Sewerage and Water Board of New Orleans

LOUISIANA

MUNICIPAL WATER POLLUTION PREVENTION

MWPP



Facility Name:	New Orleans East Bank WWTP
LPDES Permit Number:	LA0038091
Agency Interest (AI) Number:	4859
Address:	6501 Florida Ave. New Orleans, LA 70117
Parish:	Orleans
(Person Completing Form) Name:	Donald Patterson
Title:	Senior Project Manager
Date Completed:	08/09/2018

Instructions to the Operator-in-Charge

- 1. Complete only the sections of the Environmental Audit which apply to your wastewater treatment system. Leave sections that do not apply blank and enter a "0" for the point value.**
- 2. Parts 1 through 7 contain questions for which points may be generated. These points are intended to communicate to the department and the governing body or owner what actions will be necessary to prevent effluent violations. Place the point totals from parts 1 through 7 on the Point Calculation page.**
- 3. Add up the point totals.**
- 4. Submit the Environmental Audit to the governing body or owner for their review and approval.**
- 5. The governing body must pass a resolution which contains the following items:**
 - a. The resolution or letter must acknowledge the governing body or owner has reviewed the Environmental Audit.**
 - b. The resolution must indicate specific actions, if any, will be taken to maintain compliance and prevent effluent violations. Proposed actions should address the parts where maximum or close to maximum points were generated in the Environmental Audit.**
 - c. The resolution should provide any other information the governing body deems appropriate.**

PART 1: INFLUENT FLOW/LOADINGS**Part 1: Influent Flow/Loadings (All plants)**

- A. List the average monthly volumetric flows and BOD loadings received at your facility during the last reporting year.**

	Col. 1 Average Monthly Flow (million gallons per day, MGD)		Col. 2 Average Monthly BOD ₅ Concentration (mg/l)		Col. 3 Average Monthly BOD ₅ Loading (pounds per day)
Jun-17	128.7	X	56	X 8.34 =	60,108
Jul-17	113.7	X	58	X 8.34 =	54,999
Aug-17	129.8	X	83	X 8.34 =	89,850
Sep-17	87.8	X	134	X 8.34 =	98,122
Oct-16	108.2	X	114	X 8.34 =	102,872
Nov-17	80.3	X	158	X 8.34 =	105,813
Dec-17	97.3	X	135	X 8.34 =	109,550
Jan-18	107.4	X	143	X 8.34 =	128,087
Feb-18	126.5	X	145	X 8.34 =	152,977
Mar-18	105.7	X	136	X 8.34 =	119,889
Apr-18	107.5	X	125	X 8.34 =	112,069
May-18	89.5	X	127	X 8.34 =	94,797

BOD loading = Average Monthly Flow (in MGD) x Average Monthly BOD concentration (in mg/l) x 8.34.

- B. List the design flow and design BOD loading for your facility in the blanks below. If you are not aware of these design quantities, refer to your Operation and Maintenance Manual (O & M) or contact your consulting engineer.**

Design Flow, MGD

122

X 0.90 =

110

Design BOD, lb/day

254,370

X 0.90 =

228,933

- C. How many months did the monthly flow (Col. 1) to the wastewater treatment plant (WWTP) exceed 90% of design flow?
Circle the number of months and corresponding point total. Write the point total in the box below at the right.

months	0	1	2	3	4	5	6	7	8	9	10	11	12	months
points	0	0	0	0	0	5	5	5	5	5	5	5	5	points

Write 0 or 5 in the C point total box C Point Total

- D. How many months did the monthly flow (Col. 1) to the WWTP exceed the design flow?
Circle the number of months and corresponding point total. Write the point total in the box below at the right.

months	0	1	2	3	4	5	6	7	8	9	10	11	12	months
points	0	5	5	10	10	15	15	15	15	15	15	15	15	points

Write 0, 5, 10, or 15 in the D point total box D Point Total

- E. How many months did the monthly BOD loading (Col. 3) to the WWTP exceed 90% of the design loading?
Circle the number of months and corresponding point total. Write the point total in the box below at the right.

months	0	1	2	3	4	5	6	7	8	9	10	11	12	months
points	0	0	5	5	5	0	10	10	10	10	10	10	10	points

Write 0, 5, or 10 in the E point total box E Point Total

- F. How many times did the monthly BOD loading (Col. 3) to the WWTP exceed the design loading?
Circle the number of months and corresponding point total. Write the point total in the box below at the right.

months	0	1	2	3	4	5	6	7	8	9	10	11	12	months
points	0	10	20	30	40	50	50	50	50	50	50	50	50	points

Write 0, 10, 20, 30, 40, or 50 in the F point total box F Point Total

- G. Add together each point total for C through F and place this sum in the box below at the right.

TOTAL POINT VALUE FOR PART 1 (max=80)

Also enter this value on the point calculation table on page 16.

PART 2: EFFLUENT QUALITY/PLANT PERFORMANCE

- A. List the monthly average effluent BOD and TSS concentrations produced by your facility during the last reporting year.

Month	Column 1 Avg. Monthly BOD (mg/l)	Column 2 Avg. Monthly TSS (mg/l)
Jun-2017	15	14
Jul-2017	15	8
Aug -2017	15	11
Sep – 2017	10	9
Oct – 2017	12	12
Nov – 2017	12	8
Dec – 2016	13	10
Jan – 2018	10	9
Feb – 2018	21	19
Mar – 2018	14	13
Apr – 2018	16	11
May – 2018	16	9

- B. List the monthly average permit limits for your facility in the blanks below.

	Permit Limit		90% of Permit Limit
BOD, mg/l	30	X 0.90 =	27
TSS, mg/l	30	X 0.90 =	27

C. Continuous Discharge to Surface Water

- i. How many months did the effluent BOD concentrations (Col. 1) exceed 90% of the permit limits? Circle the number of months and corresponding point total. Write the point total in the box below at the right.

months	0	1	2	3	4	5	6	7	8	9	10	11	12	months
points	0	0	10	20	30	40	40	40	40	40	40	40	40	points

Write 0, 10, 20, 30 or 40 in the i point total box i Point Total

- ii. How many months did the effluent BOD concentration (Col. 1) exceeds permit limits? Circle the number of months and corresponding point total. Write the point total in the box below at the right.

months	0	1	2	3	4	5	6	7	8	9	10	11	12	months
points	0	5	5	10	10	10	10	10	10	10	10	10	10	points

Write 0, 5, or 10 in the ii point total box ii Point Total

- iii. How many months did the effluent TSS concentration (Col. 2) exceed 90% of the permit limits? Circle the number of months and corresponding point total. Write the point total in the box below at the right.

months	0	1	2	3	4	5	6	7	8	9	10	11	12	months
points	0	0	10	20	30	40	40	40	40	40	40	40	40	points

Write 0, 10, 20, 30, or 40 in the iii point total box iii Point Total

- iv. How many months did the effluent TSS concentration (Col. 2) exceed permit limits? Circle the number of months and corresponding point total. Write the point total in the box below at the right.

months	0	1	2	3	4	5	6	7	8	9	10	11	12	months
points	0	5	5	10	10	10	10	10	10	10	10	10	10	points

Write 0, 5, or 10 in the iv point total box iv Point Total

- v. Add together each point total for i through iv and place this sum in the box below at the right.

TOTAL POINT VALUE FOR PART 2

Also enter this value on the point calculation table on page 16.

(max=100)

D. Other Monitoring and Limits

- i. At any time in the past year was there an exceedance of a permit limit for other pollutants such as: ammonia-nitrogen, phosphorus, pH, residual chlorine, or fecal coliform?

* Check one box

☒

Yes

☐

No

If yes, please describe:

The Fecal Coliform daily maximum concentration of 400 colonies/100 ml was exceeded once on February 25, 2018. The cause of the noncompliance is believed to be sampler contamination of the container.

- ii. At any time in the past year was there a "failure" of a Biomonitoring (Whole Effluent Toxicity) test of the effluent?

* Check one box

☐

Yes

☒

No

If yes, please describe:

- iii. At any time in the past year was there an exceedance of a permit limit for a toxic substance?

* Check one box

☒

Yes

☐

No

If yes, please describe:

In the past year the following toxic substances for effluent samples were exceeded:

Substance: **Limit:** **Result:** **Date:**

Zinc 20 ug/l 24.4 ug/l 08/23/2017

PART 3: AGE OF THE WASTEWATER TREATMENT FACILITIES

- A. What year was the wastewater treatment plant constructed or last major expansion/improvements completed? 1974

$$\begin{array}{rclclcl} \text{Current Year} & - & \text{(Answer to A)} & = & \text{Age in years} \\ \hline 2018 & - & 1974 & = & 44 \text{ years} \end{array}$$

Enter Age in Part C below.

- B. Check the type of treatment facility that is employed:

		Factor
<u>X</u>	Mechanical Treatment Plant (Trickling filter, activated sludge, etc.) Specify Type <u>Activated Sludge</u>	2.5
<u> </u>	Aerated Lagoon	2.0
<u> </u>	Stabilization Pond	1.5
<u> </u>	Other (Specify) <u> </u>	1.0

- C. Multiply the factor listed next to the type of facility your community employs by the age of your facility to determine the total point value of Part 3:

$$\begin{array}{rclclcl} \text{TOTAL POINT VALUE FOR PART 3} = & 2.5 & \times & 44 & = & \boxed{110} & (\text{max.} = 50) \\ & \text{FACTOR} & & \text{AGE} & & & \end{array}$$

Also enter this value or 50, which ever is less, on the point calculation table on page 16.

- D. Please attach a schematic of the treatment plant.

PART 4: OVERFLOWS AND BYPASSES

- A. (1) List the number of times in the last year there was an overflow, bypass, or unpermitted discharge of untreated or incompletely treated wastewater due to heavy rain: 4

(Circle One) 0 = 0 points 1 = 5 points 2 = 10 points
 3 = 15 points 4 = 30 points 5 or more = 50 points

- (2) List the number of bypasses, overflows, or unpermitted discharges shown in A (1) that were within the collection system and the number at the treatment plant.

Collection System 4 Treatment Plant 0

- B. (1) List the number of times in the last year there was a bypass or overflow of untreated or incompletely treated wastewater due to equipment failure, either at the treatment plant or due to pumping problems in the collection system: 9

(Circle One) 0 = 0 points 1 = 5 points 2 = 10 points
 3 = 15 points 4 = 30 points 5 or more = 50 points

- (2) List the number of bypasses or overflows shown in B (1) that were within the collection system and the number at the treatment plant.

Collection System 9 Treatment Plant 0

- C. Specify whether the bypasses came from the city or village sewer system or from contract or tributary communities/sanitary districts, etc.

All of the aforementioned bypasses came from the City's sanitary sewerage system.

- D. Add the point values circled for A and B and place the total in the box below.

TOTAL POINT VALUE FOR PART 4 80 (max=100)

Also enter this value on the point calculation table on page 16.

- E. List the person responsible for reporting overflows, bypasses, or unpermitted discharges to State and Federal authorities:

Monthly bypass reports are signed by the Interim General Superintendent of the SWBNO. The reports are sent to the Environmental Protection Agency Region VI and to the Department of Environmental Quality.

Describe the procedure for gathering, compiling, and reporting:

RJN Cassworks Infrastructure Maintenance Management System is used to track overflows by retrieving pertinent information from work orders.

PART 5: SLUDGE STORAGE AND DISPOSAL SITES

A. Sludge Storage

How many months of sludge storage capacity does your wastewater treatment facility have available, either on-site or off-site?

Circle the number of months and corresponding point total. Write the point total in the box below at the right.

months	<2	2	3	4 to 5	>6	months
points	50	30	20	10	0	points

Write 0, 10, 20, 30, or 50 in the A point total box

0

 A Point Total

B. For how many months does your facility have access to (and approval for) sufficient land disposal sites to provide proper land disposal?

Circle the number of months and corresponding point total. Write the point total in the box below at the right.

months	<2	6 to 11	12 to 23	24 to 35	>36	months
points	50	30	20	10	0	points

Write 0, 10, 20, 30, or 50 in the B point total box

0

 B Point Total

C. Add together the A and B point values and place this sum in the box below at the right:

TOTAL POINT VALUE FOR PART 5

0

 (max=100)

Also enter this value on the point calculation table on page 16.

PART 6: NEW DEVELOPMENT

- A. Please provide the following information for the total of all sewer line extensions which were installed during the last year. N/A

Design Population: _____

Design Flow: _____ MGD

Design BOD₅: _____ mg/l

- B. Has an industry (or other development) moved into the community or expanded production in the past year, such that either flow or pollutant loadings to the sewerage system were significantly increased (5% or greater)?

(Circle One)

☒ No = 0 points

Yes = 15 points

Describe: _____

List any new pollutants: _____

- C. Is there any development (industrial, commercial, or residential) anticipated in the next 2-3 years, such that either flow or pollutant loadings to the sewerage system could significantly increase?

(Circle One)

☒ No = 0 points

Yes = 15 points

Describe: . _____

List any new pollutants that you anticipate: _____

- D. Add together the point value circled in B and C and place the sum in the blank below.

TOTAL POINT VALUE FOR PART 6

(max=30)

Also enter this value on the point calculation table on page 16.

PART 7: OPERATOR CERTIFICATION AND EDUCATION

- A. What was the name of the operator-in-charge for the reporting year? James Porter
- B. What is his/her certification number? #15-607; October 1992
- C. What level of certification is the operator-in-charge required to have to operate the wastewater treatment plant?
Class IV Wastewater Treatment
- D. What is the level of certification of the operator-in-charge? Class IV Wastewater Treatment **Level Certified**
- E. Was the operator-in-charge of the report year certified at least at the grade level required in order to operate this plant?
- * Check one box ☒ yes = 0 points ☐ no = 50 points
- Write 0 or 50 in the E point total box E Point Total
- F. Has the operator-in-charge maintained recertification requirements during the reporting year?
- * Check one box ☒ yes ☐ no
- G. How many hours of continuing education have the operator-in-charge completed over the last two calendar years?
- * Check one box ☒ 12 hours or more = 0 points ☐ Less than 12 hours = 50 points
- Write 0 or 50 in the G point total box G Point Total
- H. Is there a written policy regarding continuing education and training for wastewater treatment plant employees?
- * Check one box ☒ yes ☐ no

Explain:

All personnel maintained at least 16 hours of training every two years. Veolia implements an internal training and safety program that meets all State Operator Certification training requirements. Additionally, 16 hours of cross trainings are provided to each employee.

- I. What percentage of the continuing education expenses of the operator-in-charge were paid for:
- By the permittee? 100% Veolia North America
- By the operator? 0%
- J. Add together the E and G point values and place this sum in the box below at the right:

TOTAL POINT VALUE FOR PART 7 **(max=100)**

Also enter this value on the point calculation table on page 16.

PART 8: FINANCIAL STATUS**A. Are User-Charge Revenues sufficient to cover operation and maintenance expenses?**

* Check one box

☒

Yes

☐

No

If no, how are O & M costs being financed?

Explain:

In 2012, the New Orleans City Council approved eight consecutive annual 10 percent water rate increases beginning January 1, 2013.

Revenue from Plumbing Inspections, License Fees and Other Miscellaneous Revenue

B. What financial resources do you have available to pay for your wastewater improvements and reconstruction needs?

Revenues in excess of expenses and proceeds from bond issues.

PART 9: SUBJECTIVE EVALUATION

A. Collection System Maintenance

1. Describe what sewer system maintenance work has been done in the last year.

In 2017 the Board and its contractors inspected 1,085,829.70 feet of the sewer system, 8,299 sewer manholes, completed 1,622 repairs, and cleaned 1,086,000.00 feet of the sewer system. Also, the Board and its contractors inspected a cumulative total of 51,180.00 feet of sewer line utilizing CCTV and a cumulative total of 1,038,633.70 feet of sewer line utilizing Smoke Testing in 2017. During the first and second halves of 2017, the Board inspected and maintained 68 known air release valves. In addition, 170 sewer force main isolation valves were inspected and exercised. 22 cathodic protection surveys were conducted and (100%) of the 102 miles of sewer force mains were visually inspected.

2. Describe what lift station work has been done in the last year.

The Board's Operations and Facility Maintenance personnel completed 4,719 sewage pumping station preventive maintenance tasks and 468 corrective maintenance actions from June 1, 2017 to May 31, 2018.

3. What collection system improvements does the community have under consideration for the next 5 years?

Collection system improvements are planned in accordance with the Third Modified Consent Decree.

B. If you have ponds, please answer the following questions: N/A

- | | | |
|--|------------------------------|-----------------------------|
| 1. Do you have duckweed buildup in your ponds? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 2. Do you mow your dikes regularly (at least monthly), to the waters edge? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 3. Do you have bushes or trees growing on the dikes or in the ponds? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 4. Do you have excess sludge buildup (>1 foot) on the bottom of any of your ponds? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 5. Do you exercise all of your valves? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 6. Are your control manholes in good structural shape? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 7. Do you maintain at least three feet of freeboard in all your ponds? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 8. Do you visit your pond system, at least weekly? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |

Permit #

LA0038091

C. Treatment Plants

1. Have the influent and effluent flow meters been calibrated in the last year?

☒ Yes ☐ No

Influent flow meter calibration dates(s):

Effluent flow meter calibration date(s):

The most recent calibration of that period -
05/22/2018 – The Flow Meters are calibrated
monthly

The most recent calibration of that period -
05/22/2018 – The Flow Meters are calibrated
monthly

2. What problems, if any, have been experienced over the last year that has threatened treatment?

None

3. Is your community presently involved in formal planning for treatment facility upgrading?

☐ Yes ☒ No If yes, describe:

D. Preventive Maintenance

1. Does your plant have a written plan for preventive maintenance on major equipment items?

☒ Yes ☐ No If yes, describe:

Current system utilizes a computer generated maintenance work order system for both preventive and emergency repairs on all components in the plants.

Each piece of equipment's O&M manual is closely followed to ensure all factory preventive maintenance recommendations are performed.

2. Does this preventive maintenance program depict frequency of intervals, types of lubrication, and other

preventive maintenance tasks necessary for each piece of equipment?

☒ Yes ☐ No

3. Are these preventive maintenance tasks, as well as equipment problems, being recorded and filed so future maintenance problems can be assessed properly?

☒ Yes ☐ No

E. Sewer Use Ordinance

1. Does your community have a sewer use ordinance that limits or prohibits the discharge of excessive conventional pollutants (BOD, TSS, or pH) or toxic substances to the sewer from industries, commercial users, and residences?

☒ Yes ☐ No If yes, describe:

E.P.A. approved Pretreatment Program and Section 16 of the Sewerage & Water Board of New Orleans Plumbing Code.

The implementation of a Fats, Oils, and Grease Program, Section 16.5 of the Sewerage & Water Board of New Orleans Plumbing Code, that involves the annual issuance of a Grease Trap Discharge Permit to all Food Service Establishments in Orleans Parish.

2. Has it been necessary to enforce? ☒ Yes ☐ No If yes, describe:

E.P.A. approved Pretreatment Program requires sampling/monitoring of Significant Industrial Users to demonstrate compliance with applicable Federal, State and Local discharge requirements.

F. Any additional comments about your treatment plant or collection system? (Attach additional sheet if necessary.)

POINT CALCULATION TABLE

Fill in the values from parts 1 through 7 in the columns below. Add the numbers in the left column to determine the point total that the wastewater system has generated for the previous year.

	Actual Values	Actual Values	Maximum
Part 1:	Influent Flow/Loadings	<u>10</u>	80 Points
Part 2:	Effluent Quality/Plant Performance	<u>0</u>	100 Points
Part 3:	Age of WWTP	<u>50</u>	50 Points
Part 4:	Overflows and Bypasses	<u>80</u>	100 Points
Part 5:	Ultimate Disposition of Sludge	<u>0</u>	100 Points
Part 6:	New Development	<u>0</u>	30 Points
Part 7:	Operator Certification Training	<u>0</u>	100 Points

TOTAL POINTS**140**

**REQUEST FOR RATIFICATION OF A PROFESSIONAL SERVICE AGREEMENT
BETWEEN SEWERAGE AND WATER BOARD OF NEW ORLEANS AND UTILIWORKS**

WHEREAS, On August 23, 2018, the New Orleans City Council issued a resolution requesting the Sewerage and Water Board of New Orleans address questions surrounding the billing process and dispute resolution; thus, directing specific and immediate action to rectify the billing problems; and

WHEREAS, the Sewerage and Water Board pursued an abbreviated, emergency contracting process to satisfy the agreed upon course of action to find a third party to conduct a quality assurance/quality control review; and

WHEREAS, three prospective candidates were contacted and interviewed by telephone; and

WHEREAS, based upon the proposals and interviews, a contract with Utiliworks was executed, in the amount of \$263,240, with expenses not-to-exceed \$30,000 for a maximum total of \$293,240; and

FURTHERMORE, the contract work is anticipated to be completed in January 2019, but will not last more than one year; and

THEREFORE, Sewerage and Water Board requests that the Board of Directors approve the ratification of this contract; and

NOW, THEREFORE, BE IT FURTHER RESOLVED, that the Sewerage and Water Board's acceptance of this resolution will ratify the Professional Services Agreement with Utiliworks.

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 14, 2018.

Ghassan Korban
EXECUTIVE DIRECTOR
SEWERAGE AND WATER BOARD OF NEWORLEANS

**REQUEST FOR APPROVAL OF A PROFESSIONAL SERVICES AGREEMENT
BETWEEN SEWERAGE AND WATER BOARD AND RAFTELIS**

WHEREAS, On August 23, 2018, the New Orleans City Council issued a resolution requesting Sewerage and Water Board of New Orleans to address questions surrounding the billing process and dispute resolutions and directing specific and immediate action to rectify the billing problems; and

WHEREAS, one specific request, was to review the possibility of providing the customers with a leveled bill, using consumption from the customer's account for a time period in which the amount was not disputed; and

WHEREAS, there are a large number of delinquent accounts and a small number (approximately 6,500) which are in dispute, and an analysis completed through a model using data extracted from the billing system; and

WHEREAS, to expedite this review, Raftelis Financial Consultants, Inc. will complete a water loss audit to answer other City Council questions as well as provide insight into the various areas of water production; and

WHEREAS, the cost of this work will not exceed \$90,000; and

FURTHERMORE, the Sewerage and Water Board of New Orleans requests that the Board of Directors approve this urgent contract to complete this critical work in a timely manner.

NOW, THEREFORE, BE IT RESOLVED, that the Sewerage and Water Board approves the Professional Services Agreement with Raftelis Financial Consultants, Inc.

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 14, 2018.

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

CONTRACT AMENDMENT NO. 2 TO THE AGREEMENT BETWEEN THE SEWERAGE AND WATER BOARD OF NEW ORLEANS AND RICHARD CPAS, LLC FOR AN INDEPENDENT FINANCIAL AUDITING PROFESSIONAL SERVICE AGREEMENT

WHEREAS, on July 12, 2018, the Sewerage & Water Board of New Orleans entered a contract with Richard CPAS, LLC to render professional services to support the 2017 audit and annual financial statement preparation; and

WHEREAS, the initial contract was \$15,000.00 and a request of an additional \$50,000.00 was approved on August 15, 2018 to continue the professional services being rendered; and

WHEREAS, an extension was approved by the State Legislative Auditor to complete the Comprehensive Annual Financial Report (CAFR) and Richard CPAS, LLC has provided substantial support towards its completion; and

WHEREAS, additional support is needed to adequately prepare for the 2018 year-end closing process; and

WHEREAS, this request of an additional \$80,000.00 will increase the contract amount to a total of \$145,000.00; and

NOW, THEREFORE, BE IT RESOLVED that Sewerage and Water Board requests that the Board of Directors approve the amendment of this contract to complete this critical work in a timely manner.

BE IT FURTHER RESOLVED that Contract Amendment No. 2 for Richard CPAS, LLC for the Professional Service Agreement is approved 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 14, 2018.

Ghassan Korban
EXECUTIVE DIRECTOR
SEWERAGE AND WATER BOARD OF NEW ORLEANS

**REQUEST FOR APPROVAL OF AMENDMENT NO. 1 FOR PROFESSIONAL
SERVICE AGREEMENT BETWEEN SEWERAGE AND WATER BOARD AND
RAFTELIS FINANCIAL CONSULTANTS, INC.**

WHEREAS, on May 1, 2018, the Sewerage & Water Board of New Orleans entered into a contract with Raftelis Financial Consultants, Inc. to provide financial feasibility analysis and financial planning in support of a planned municipal debt issuance; and

WHEREAS, the original contract was in the amount of \$78,140.00; and

WHEREAS, the effort required to review and render financial planning and feasibility support has been longer than anticipated; and

WHEREAS, additional work is required to support the review of the final results of the 2017 audit and its impact on the bond covenants; and

WHEREAS, this request of an additional \$86,505.00 will increase the contract amount to a total of \$164,645.00; and

FURTHERMORE, that the Sewerage and Water Board requests the Board of Directors approve the amendment of this contract to complete this critical work in a timely manner.

NOW, THEREFORE, BE IT RESOLVED, that the Sewerage & Water Board's acceptance of this amendment for Professional Services Agreement with Raftelis Financial Consultants, Inc.

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 14, 2018.

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



SEWERAGE AND WATER BOARD OF NEW ORLEANS

November 7, 2018

Finance and Administration Committee
Sewerage and Water Board of New Orleans
New Orleans, Louisiana

Re: Financial Results through September 2018

Attached are the *Statement of Revenues, Expenses, and Changes in Net Position* with budget and prior year comparisons for the water, sewer, drainage and total systems through September 2018. The Variance Indicators for Financial Results through September 2018 is also attached. Also, attached is the Unrestricted Cash in days through September 2018. The *Statement of Net Assets* and the *Statement of Cash Flows* will be provided after the completion of the 2017 audit.

Operating Revenues:

Water System Fund (pages 7 and 8, line 5) September 2018 MTD operating revenues of \$6,037,998 is \$3,022,235 (or 33.4%) less than budgeted and \$3,153,831 (or 34.3%) less than September 2017 MTD. September 2018 YTD operating revenues of \$66,183,148 is \$6,298,721 (or 8.7%) less than budgeted and \$3,167,069 (or 4.6%) less than September 2017 YTD.

Sewer System Fund (pages 13 and 14, line 5) September 2018 MTD operating revenues of \$9,349,179 is \$1,505,762 (or 13.9%) less than budgeted and \$1,809,383 (or 16.2%) less than September 2017 MTD. September 2018 YTD operating revenues of \$84,380,142 is \$2,459,384 (or 2.8%) less than budgeted and \$1,286,970 (or 1.5%) more than September 2017 YTD.

Drainage System Fund (pages 19 and 20, line 5) September 2018 MTD operating revenues of \$2,582 (or 100%) more than budgeted and is \$110,835 (or 97.7%) less than September 2017 MTD. September 2018 YTD operating revenues of \$77,380 (or 100%) more than budgeted and is \$61,805 (or 44.4%) less than September 2017 YTD.

Total System Funds (pages 1 and 2, line 5) September 2018 MTD operating revenues of \$15,389,759 is \$4,525,415 (or 22.7%) less than budgeted and \$5,074,049 (or 24.8%) less than September 2017 MTD. September 2018 YTD operating revenues of \$150,640,670 is \$8,680,725 (or 5.4%) less than budgeted and \$1,941,904 (or 1.3%) less than September 2017 YTD.

Operating Expenses:

Water System Fund (pages 7 and 8, line 18) September 2018 MTD operating expenses of \$5,499,324 is \$3,592,990 (or 39.5%) less than budgeted and \$2,210,712 (or 28.7%) less than September 2017 MTD. September 2018 YTD operating expenses of \$66,971,188 is \$5,767,330 (or 7.9%) less than budgeted and \$3,943,355 (or 6.3%) more than September 2017 YTD.

Sewer System Fund (pages 13 and 14, line 18) September 2018 MTD operating expenses of \$6,116,963 is \$4,061,239 (or 39.9%) less than budgeted and \$1,387,654 (or 18.5%) less than September 2017 MTD. September 2018 YTD operating expenses of \$73,426,913 is \$7,998,703 (or 9.8%) less than budgeted and \$13,536,971 (or 22.6%) more than September 2017 YTD.

Drainage System Fund (pages 19 and 20, line 18) September 2018 MTD operating expenses of \$4,346,443 is \$2,052,804 (or 32.1%) less than budgeted and \$7,323,292 (or 62.8%) less than September 2017 MTD. September 2018 YTD operating expenses of \$58,732,041 is \$7,538,061 (or 14.7%) more than budgeted and \$10,713,030 (or 22.3%) more than September 2017 YTD.

Total System Funds (pages 1 and 2, line 18) September 2018 MTD operating expenses of \$15,962,730 is \$9,707,034 (or 37.8%) less than budgeted and \$10,921,658 (or 40.6%) less than September 2017 MTD. September 2018 YTD operating expenses of \$199,130,142 is \$6,227,972 (or 3.0%) less than budgeted and \$28,193,356 (or 16.5%) more than September 2017 YTD.



SEWERAGE AND WATER BOARD OF NEW ORLEANS

Net Non-Operating Revenues:

Water System Fund (pages 7 and 8, line 28) September 2018 MTD non-operating revenues of \$0 is \$269,427 (or 100.0%) less than budgeted and \$59,939 (or 100.0%) less than September 2017 MTD. September 2018 YTD net non-operating revenues of \$220,936 is \$1,934,476 (or 89.7%) less than budgeted and \$555,379 (or 71.5%) less than September 2017 YTD.

Sewer System Fund (pages 13 and 14, line 28) September 2018 MTD non-operating revenues of \$0 is \$252,880 (or 100.0%) less than budgeted and \$31,739 (or 100.0%) less than September 2017 MTD. September 2018 YTD net non-operating revenues of \$105,301 is \$1,917,741 (or 94.8%) less than budgeted and \$455,733 (or 81.2%) less than September 2017 YTD.

Drainage System Fund (pages 19 and 20, line 28) September 2018 MTD non-operating revenues of \$0 is \$101,225 (or 100.0%) less than budgeted and \$2,752,439 (or 100.0%) less than September 2017 MTD. September 2018 YTD net non-operating revenues of \$54,085,455 is \$17,298,097 (or 47.0%) more than budgeted and \$1,326,106 (or 2.4%) less than September 2017 YTD.

Total System Funds (pages 1 and 2, line 28) September 2018 MTD non-operating revenues of \$0 is \$623,532 (or 100.0%) less than budgeted and \$2,844,117 (or 100.0%) less than September 2017 MTD. September 2018 YTD net non-operating revenues of \$54,411,692 is \$13,445,880 (or 32.8%) more than budgeted and \$2,337,218 (or 4.1%) less than September 2017 YTD.

Income Before Contributions in Aid of Construction:

Water System Fund (pages 7 and 8, line 29) September 2018 MTD income before contributions of \$538,674 is \$301,329 (or 127.0%) more than budgeted and \$1,003,058 (or 65.1%) less than September 2017 MTD. September 2018 YTD income before capital contributions of -\$567,104 is \$2,465,866 (or 129.9%) less than budgeted and \$7,665,803 (or 108.0%) less than September 2017 YTD.

Sewer System Fund (pages 13 and 14, line 29) September 2018 MTD income before contributions of \$3,232,216 is \$2,302,597 (or 247.7%) more than budgeted and \$453,468 (or 12.3%) less than September 2017 MTD. September 2018 YTD income before capital contributions of \$11,058,530 is \$3,621,577 (or 48.7%) more than budgeted and \$12,705,734 (or 53.5%) less than September 2017 YTD.

Drainage System Fund (pages 19 and 20, line 29) September 2018 MTD income before contributions of -\$4,343,861 is \$1,954,161 (or 31.0%) more than budgeted and \$4,460,018 (or 50.7%) more than September 2017 MTD. September 2018 YTD income before capital contributions of -\$4,569,207 is \$9,837,415 (or 68.3%) more than budgeted and \$12,100,942 (or 160.7%) less than September 2017 YTD.

Total System Funds (pages 1 and 2, line 29) September 2018 MTD income before contributions of -\$572,971 is \$4,558,087 (or 88.8%) more than budgeted and \$3,003,492 (or 84.0%) more than September 2017 MTD. September 2018 YTD income before capital contributions of \$5,922,220 is \$10,993,126 (or 216.8%) more than budgeted and \$32,472,478 (or 84.6%) less than September 2017 YTD.



SEWERAGE AND WATER BOARD OF NEW ORLEANS

The balances of funds from the Series 2014 bond proceeds available for capital construction as of September 30, 2018 are:

	Water	Sewer	Total
Original Balance	\$143,894.61	-	\$143,894.61
Less Disbursements	-	-	0.00
Plus Reimbursements	-	-	0.00
Plus Income	118.27	-	118.27
Ending Balance	\$144,012.88	-	\$144,012.88

The balances of funds from the Series 2015 bond proceeds available for capital construction as of September 30, 2018 are:

	Water	Sewer	Total
Original Balance	\$16,846,626.40	\$365,788.70	\$17,212,415.10
Less Disbursements	(3,000,000.00)	(360,000.00)	(3,360,000.00)
Plus Reimbursements	-	-	0.00
Plus Income	12,860.24	130.05	12,990.29
Ending Balance	\$13,859,486.64	\$5,918.75	\$13,865,405.39

Total	\$14,003,499.52	\$5,918.75	\$14,009,418.27
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The days-of-cash at September 30, 2018 were 106 days for the water system, 39 days for the sewer system, 0 days for the drainage system and 52 days for the total systems. Combined the total system results were below the minimum policy target of 180 days. Individually, water, sewer, and drainage system did not meet its policy target of 180 days.

The projected coverage for the year ending September 30, 2018, based upon financial results through September 30, 2018, is estimated at 1.11 times for the water system and 1.74 times for the sewer system. Water system is below the policy target of 1.50 times and below the bond covenant minimum of 1.25. Sewer system result is ahead the policy target of 1.50 times and above the bond covenant minimum of 1.25.

Certification. In connection with the accompanying monthly financial report of the Sewerage and Water Board of New Orleans for the period ended September 30, 2018, I hereby certify that, to my knowledge, the information contained in the report fairly presents, in all material respects, the financial condition and results of the Board.

Rosita Thomas
Finance Administrator

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 2018

	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	5,882,255	8,900,658	(3,018,403)	-33.9%	64,701,895	67,843,585	(3,141,690)	-4.6%
2 Sewerage service charges and del fees	9,327,925	11,024,082	(1,696,157)	-15.4%	83,887,945	82,429,053	1,458,892	1.8%
3 Plumbing inspection and license fees	33,771	41,030	(7,259)	-17.7%	496,294	447,530	48,764	10.9%
4 Other revenues	145,808	498,038	(352,230)	-70.7%	1,554,536	1,862,406	(307,870)	-16.5%
5 Total operating revenues	15,389,759	20,463,808	(5,074,049)	-24.8%	150,640,670	152,582,574	(1,941,904)	-1.3%
Operating Expenses:								
6 Power and pumping	1,031,005	7,838,466	(6,807,461)	-86.8%	27,740,291	17,727,846	10,012,445	56.5%
7 Treatment	399,739	2,964,224	(2,564,485)	-86.5%	13,594,852	18,001,127	(4,406,275)	-24.5%
8 Transmission and distribution	1,984,530	1,582,021	402,509	25.4%	28,281,257	19,884,947	8,396,310	42.2%
9 Customer accounts	489,982	324,711	165,271	50.9%	3,764,459	3,143,882	620,577	19.7%
10 Customer service	350,601	294,416	56,185	19.1%	3,122,017	3,046,046	75,971	2.5%
11 Administration and general	2,952,333	2,378,904	573,429	24.1%	28,867,085	16,917,503	11,949,582	70.6%
12 Payroll related	3,106,673	3,934,765	(828,092)	-21.0%	32,665,033	30,263,308	2,401,725	7.9%
13 Maintenance of general plant	973,023	2,665,523	(1,692,500)	-63.5%	17,429,335	19,166,974	(1,737,639)	-9.1%
14 Depreciation	4,330,677	4,330,676	1	0.0%	39,838,603	38,932,374	906,229	2.3%
15 Amortization	-	-	-	0.0%	-	-	-	0.0%
16 Provision for doubtful accounts	184,570	184,570	-	0.0%	1,661,130	1,661,130	-	0.0%
17 Provision for claims	159,597	386,112	(226,515)	-58.7%	2,166,080	2,191,649	(25,569)	-1.2%
18 Total operating expenses	15,962,730	26,884,388	(10,921,658)	-40.6%	199,130,142	170,936,786	28,193,356	16.5%
19 Operating income (loss)	(572,971)	(6,420,580)	5,847,609	-91.1%	(48,489,472)	(18,354,212)	(30,135,260)	164.2%
Non-operating revenues (expense):								
20 Two-mill tax	-	395	(395)	-100.0%	84	2,057	(1,973)	-95.9%
21 Three-mill tax	-	2,101,785	(2,101,785)	-100.0%	15,051,631	15,379,398	(327,767)	-2.1%
22 Six-mill tax	-	254,473	(254,473)	-100.0%	15,602,408	15,966,426	(364,018)	-2.3%
23 Nine-mill tax	-	381,442	(381,442)	-100.0%	23,387,333	23,937,908	(545,575)	-2.3%
24 Interest income	-	106,209	(106,209)	-100.0%	369,918	1,170,467	(800,549)	-68.4%
25 Other Income	-	-	-	0.0%	-	296,164	(296,164)	-100.0%
26 Interest expense	-	-	-	0.0%	-	-	-	0.0%
27 Operating and maintenance grants	-	(187)	187	-100.0%	317	1,490	(1,173)	-78.7%
28 Total non-operating revenues	-	2,844,117	(2,844,117)	-100.0%	54,411,692	56,748,910	(2,337,218)	-4.1%
29 Income before capital contributions	(572,971)	(3,576,463)	3,003,492	-84.0%	5,922,220	38,394,698	(32,472,478)	-84.6%
30 Capital contributions	47,036	4,722,888	(4,675,852)	-99.0%	17,560,233	25,871,139	(8,310,906)	-32.1%
31 Change in net position	(525,935)	1,146,425	(1,672,360)	-145.9%	23,482,453	64,265,837	(40,783,384)	-63.5%
32 Net position, beginning of year					2,331,372,205	2,328,421,948	102,900,257	4.6%
33 Net position, end of year					2,354,801,658	2,702,687,783	(347,886,125)	-12.9%

SEWERAGE AND WATER BOARD OF NEW ORLEANS
ALL SYSTEM FUNDS
STATEMENT OF REVENUES AND EXPENSES AND CHANGES IN NET POSITION
WITH BUDGET COMPARISONS
September 2018

	A	B	C	D	E	F	G	H
	MTD Actual	MTD Budget	MTD Variance	%	YTD Actual	YTD Budget	YTD Variance	%
Operating revenues:								
1 Sales of water and delinquent fees	5,882,255	8,770,727	(2,888,472)	-32.9%	64,701,895	70,165,819	(5,463,924)	-7.8%
2 Sewerage service charges and del fees	9,327,925	10,777,991	(1,450,066)	-13.5%	83,887,945	86,223,925	(2,335,980)	-2.7%
3 Plumbing inspection and license fees	33,771	53,756	(19,985)	-37.2%	496,294	430,050	66,244	15.4%
4 Other revenues	145,808	312,700	(166,892)	-53.4%	1,554,536	2,501,601	(947,065)	-37.9%
5 Total operating revenues	15,389,759	19,915,174	(4,525,415)	-22.7%	150,640,670	159,321,395	(8,680,725)	-5.4%
Operating Expenses:								
6 Power and pumping	1,031,005	2,195,269	(1,164,264)	-53.0%	27,740,291	17,562,153	10,178,138	58.0%
7 Treatment	399,739	1,951,095	(1,551,356)	-79.5%	13,594,852	15,608,758	(2,013,906)	-12.9%
8 Transmission and distribution	1,984,530	3,080,266	(1,095,736)	-35.6%	28,281,257	24,642,127	3,639,130	14.8%
9 Customer accounts	489,982	468,389	21,593	4.6%	3,764,459	3,747,111	17,348	0.5%
10 Customer service	350,601	445,895	(95,294)	-21.4%	3,122,017	3,567,157	(445,141)	-12.5%
11 Administration and general	2,952,333	5,119,407	(2,167,074)	-42.3%	28,867,085	40,955,258	(12,088,173)	-29.5%
12 Payroll related	3,106,673	3,567,007	(460,334)	-12.9%	32,665,033	28,536,053	4,128,979	14.5%
13 Maintenance of general plant	973,023	3,116,852	(2,143,829)	-68.8%	17,429,335	24,934,817	(7,505,482)	-30.1%
14 Depreciation	4,330,677	4,988,917	(658,239)	-13.2%	39,838,603	39,911,333	(72,731)	-0.2%
15 Amortization	-	-	-	0.0%	-	-	-	0.0%
16 Provision for doubtful accounts	184,570	390,974	(206,404)	-52.8%	1,661,130	3,127,795	(1,466,665)	-46.9%
17 Provision for claims	159,597	345,694	(186,097)	-53.8%	2,166,080	2,765,550	(599,470)	-21.7%
18 Total operating expenses	15,962,730	25,669,764	(9,707,034)	-37.8%	199,130,142	205,358,114	(6,227,972)	-3.0%
19 Operating income (loss)	(572,971)	(5,754,590)	5,181,619	-90.0%	(48,489,472)	(46,036,719)	(2,452,753)	5.3%
Non-operating revenues (expense):								
20 Two-mill tax	-	-	-	0.0%	84	-	84	0.0%
21 Three-mill tax	-	-	-	0.0%	15,051,631	9,886,624	5,165,007	52.2%
22 Six-mill tax	-	-	-	0.0%	15,602,408	10,440,807	5,161,600	49.4%
23 Nine-mill tax	-	-	-	0.0%	23,387,333	15,650,127	7,737,207	49.4%
24 Interest income	-	133,053	(133,053)	-100.0%	369,918	1,064,422	(694,504)	-65.2%
25 Other Income	-	226,954	(226,954)	-100.0%	-	1,815,632	(1,815,632)	-100.0%
26 Interest expense	-	(10,858)	10,858	-100.0%	-	(86,866)	86,866	-100.0%
27 Operating and maintenance grants	-	274,383	(274,383)	-100.0%	317	2,195,067	(2,194,750)	-100.0%
28 Total non-operating revenues	-	623,532	(623,532)	-100.0%	54,411,692	40,965,812	13,445,880	32.8%
29 Income before capital contributions	(572,971)	(5,131,058)	4,558,087	-88.8%	5,922,220	(5,070,907)	10,993,126	-216.8%
30 Capital contributions	47,036	-	47,036	0.0%	17,560,233	-	17,560,233	0.0%
31 Change in net position	(525,935)	(5,131,058)	4,605,123	-89.7%	23,482,453	(5,070,907)	28,553,359	-563.1%
32 Net position, beginning of year					2,331,322,205	2,228,421,948	102,900,257	4.6%
33 Net position, end of year					2,354,804,658	2,223,351,041	131,453,616	5.9%

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 2018

	A	B	C	D	E	F	G	H
	MTD Actual	MTD Prior Year	MTD Variance	%	YTD Actual	YTD Prior Year	YTD Variance	%
Operating revenues:								
1 Sales of water and delinquent fees	5,882,255	8,900,658	(3,018,403)	-33.9%	64,701,895	67,843,585	(3,141,690)	-4.6%
2 Sewerage service charges and del fees	-	-	-	0.0%	-	-	-	0.0%
3 Plumbing inspection and license fees	33,771	20,515	13,256	64.6%	443,361	228,000	215,361	94.5%
4 Other revenues ¹	121,972	270,656	(148,684)	-54.9%	1,037,892	1,278,632	(240,740)	-18.8%
5 Total operating revenues	6,037,998	9,191,829	(3,153,831)	-34.3%	66,183,148	69,350,217	(3,167,069)	-4.6%
Operating Expenses:								
6 Power and pumping	91,949	295,116	(203,167)	-68.8%	1,810,292	2,307,138	(496,846)	-21.5%
7 Treatment	444,446	822,631	(378,185)	-46.0%	6,160,468	5,470,938	689,530	12.6%
8 Transmission and distribution	961,138	1,025,420	(64,282)	-6.3%	14,405,879	11,525,255	2,880,624	25.0%
9 Customer accounts	242,512	162,075	80,437	49.6%	1,870,707	1,569,335	301,372	19.2%
10 Customer service	170,716	144,384	26,332	18.2%	1,539,318	1,479,109	60,209	4.1%
11 Administration and general	978,962	855,747	123,215	14.4%	9,859,338	6,164,657	3,694,681	59.9%
12 Payroll related	1,175,225	1,679,179	(503,954)	-30.0%	12,355,434	12,893,298	(537,864)	-4.2%
13 Maintenance of general plant	429,206	1,607,328	(1,178,122)	-73.3%	8,772,320	12,229,558	(3,457,238)	-28.3%
14 Depreciation	845,499	845,498	1	0.0%	8,471,996	7,521,102	950,894	12.6%
15 Amortization	-	0	-	0.0%	-	-	-	0.0%
16 Provision for doubtful accounts	95,834	95,834	-	0.0%	862,506	862,506	-	0.0%
17 Provision for claims	63,839	176,824	(112,985)	-63.9%	862,933	1,004,937	(142,004)	-14.1%
18 Total operating expenses	5,499,324	7,710,036	(2,210,712)	-28.7%	66,971,188	63,027,833	3,943,355	6.3%
19 Operating income (loss)	538,674	1,481,793	(943,119)	-63.6%	(788,040)	6,322,384	(7,110,424)	-112.5%
Non-operating revenues (expense):								
20 Two-mill tax	-	-	-	0.0%	-	-	-	0.0%
21 Three-mill tax	-	-	-	0.0%	-	-	-	0.0%
22 Six-mill tax	-	-	-	0.0%	-	-	-	0.0%
23 Nine-mill tax	-	-	-	0.0%	-	-	-	0.0%
24 Interest income	-	59,961	(59,961)	-100.0%	220,619	643,055	(422,436)	-65.7%
25 Other Income	-	-	-	0.0%	-	131,793	(131,793)	-100.0%
26 Interest expense	-	-	-	0.0%	-	-	-	0.0%
27 Operating and maintenance grants	-	(22)	22	-100.0%	317	1,467	(1,150)	-78.4%
28 Total non-operating revenues	-	59,939	(59,939)	-100.0%	220,936	776,315	(555,379)	-71.5%
29 Income before capital contributions	538,674	1,541,732	(1,003,058)	-65.1%	(567,104)	7,098,699	(7,665,803)	-108.0%
30 Capital contributions	29,077	3,124,708	(3,095,631)	-99.1%	11,565,418	16,913,520	(5,348,102)	-31.6%
31 Change in net position	567,750	4,666,440	(4,098,690)	-87.8%	10,998,314	24,012,219	(13,013,905)	-54.2%
32 Net position, beginning of year					366,595,762	337,110,237	29,485,525	8.7%
33 Net position, end of year					377,594,076	361,127,456	16,471,620	4.6%

SEWERAGE AND WATER BOARD OF NEW ORLEANS
WATER SYSTEM FUND
STATEMENT OF REVENUES AND EXPENSES AND CHANGES IN NET POSITION
WITH BUDGET COMPARISONS
September 2018

	A	B	C	D	E	F	G	H
	MTD Actual	MTD Budget	MTD Variance	%	YTD Actual	YTD Budget	YTD Variance	%
Operating revenues:								
1 Sales of water and delinquent fees	5,882,255	8,770,727	(2,888,472)	-32.9%	64,701,895	70,165,819	(5,463,924)	-7.8%
2 Sewerage service charges and del fees	-	-	-	0.0%	-	-	-	0.0%
3 Plumbing inspection and license fees	33,771	26,583	7,188	27.0%	443,361	212,663	230,698	108.5%
4 Other revenues	121,972	262,923	(140,951)	-53.6%	1,037,892	2,103,387	(1,065,495)	-50.7%
5 Total operating revenues	6,037,998	9,060,234	(3,022,235)	-33.4%	66,183,148	72,481,869	(6,298,721)	-8.7%
Operating Expenses:								
6 Power and pumping	91,949	234,509	(142,560)	-60.8%	1,810,292	1,876,073	(65,781)	-3.5%
7 Treatment	444,446	777,455	(333,009)	-42.8%	6,160,468	6,219,642	(59,174)	-1.0%
8 Transmission and distribution	961,138	1,416,798	(455,660)	-32.2%	14,405,879	11,334,384	3,071,495	27.1%
9 Customer accounts	242,512	232,947	9,565	4.1%	1,870,707	1,863,579	7,128	0.4%
10 Customer service	170,716	220,182	(49,466)	-22.5%	1,539,318	1,761,455	(222,138)	-12.6%
11 Administration and general	978,962	1,767,199	(788,237)	-44.6%	9,859,338	14,137,591	(4,278,253)	-30.3%
12 Payroll related	1,175,225	1,361,583	(186,358)	-13.7%	12,355,434	10,892,664	1,462,770	13.4%
13 Maintenance of general plant	429,206	1,446,991	(1,017,785)	-70.3%	8,772,320	11,575,928	(2,803,608)	-24.2%
14 Depreciation	845,499	1,329,750	(484,251)	-36.4%	8,471,996	10,638,000	(2,166,004)	-20.4%
15 Amortization	-	-	-	0.0%	-	-	-	0.0%
16 Provision for doubtful accounts	95,834	175,415	(79,581)	-45.4%	862,506	1,403,317	(540,811)	-38.5%
17 Provision for claims	63,839	129,486	(65,647)	-50.7%	862,933	1,035,887	(172,954)	-16.7%
18 Total operating expenses	5,499,324	9,092,315	(3,592,990)	-39.5%	66,971,188	72,738,519	(5,767,330)	-7.9%
19 Operating income (loss)	538,674	(32,081)	570,755	-1779.1%	(788,040)	(256,650)	(531,390)	207.0%
Non-operating revenues (expense):								
20 Two-mill tax	-	-	-	0.0%	-	-	-	0.0%
21 Three-mill tax	-	-	-	0.0%	-	-	-	0.0%
22 Six-mill tax	-	-	-	0.0%	-	-	-	0.0%
23 Nine-mill tax	-	-	-	0.0%	-	-	-	0.0%
24 Interest income	-	63,684	(63,684)	-100.0%	220,619	509,475	(288,856)	-56.7%
25 Other Income	-	68,550	(68,550)	-100.0%	-	548,403	(548,403)	-100.0%
26 Interest expense	-	-	-	0.0%	-	-	-	0.0%
27 Operating and maintenance grants	-	137,192	(137,192)	-100.0%	317	1,097,533	(1,097,216)	-100.0%
28 Total non-operating revenues	-	269,427	(269,427)	-100.0%	220,936	2,155,412	(1,934,476)	-89.7%
29 Income before capital contributions	538,674	237,345	301,329	127.0%	(567,104)	1,898,762	(2,465,866)	-129.9%
30 Capital contributions	29,077	-	29,077	0.0%	11,565,418	-	11,565,418	0.0%
31 Change in net position	567,750	237,345	330,405	139.2%	10,998,314	1,898,762	9,099,552	479.2%
32 Net position, beginning of year	-	-	-	-	366,595,762	337,110,237	29,485,525	8.7%
33 Net position, end of year	-	-	-	-	377,594,076	339,008,999	38,585,077	11.4%

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 2018

	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%
2 Sewerage service charges and del fees	9,327,925	11,024,082	(1,696,157.00)	-15.4%	83,887,945	82,429,053	1,458,892	1.8%
3 Plumbing inspection and license fees	-	20,515	(20,515.00)	-100.0%	52,933	219,530	(166,597)	-75.9%
4 Other revenues	21,254	113,965	(92,711)	-81.4%	439,264	444,589	(5,325)	-1.2%
5 Total operating revenues	9,349,179	11,158,562	(1,809,383)	-16.2%	84,380,142	83,093,172	1,286,970	1.5%
Operating Expenses:								
6 Power and pumping	250,828	344,797	(93,969)	-27.3%	3,786,693	2,531,159	1,255,534	49.6%
7 Treatment	(44,707)	2,133,747	(2,178,454)	-102.1%	7,434,384	12,449,770	(5,015,386)	-40.3%
8 Transmission and distribution	706,605	499,068	207,537	41.6%	10,898,704	7,803,889	3,094,815	39.7%
9 Customer accounts	244,022	162,074	81,948	50.6%	1,872,213	1,569,332	302,881	19.3%
10 Customer service	172,225	145,702	26,523	18.2%	1,540,824	1,497,509	43,315	2.9%
11 Administration and general	1,365,132	816,876	548,256	67.1%	12,873,107	5,742,473	7,130,634	124.2%
12 Payroll related	1,162,295	1,222,999	(60,704)	-5.0%	12,323,797	9,632,371	2,691,426	27.9%
13 Maintenance of general plant	377,938	247,949	129,989	52.4%	5,473,794	1,798,430	3,675,364	204.4%
14 Depreciation	1,730,049	1,730,049	0	0.0%	15,570,442	15,433,237	137,205	0.9%
15 Amortization	-	-	-	0.0%	-	-	-	0.0%
16 Provision for doubtful accounts	88,736	88,736	-	0.0%	798,624	798,624	-	0.0%
17 Provision for claims	63,839	112,620	(48,781)	-43.3%	854,331	638,148	216,183	33.9%
18 Total operating expenses	6,116,963	7,504,617	(1,387,654)	-18.5%	73,426,913	59,889,942	13,536,971	22.6%
19 Operating income (loss)	3,232,216	3,653,945	(421,729)	-11.5%	10,953,230	23,203,230	(12,250,000)	-52.8%
Non-operating revenues (expense):								
20 Two-mill tax	-	-	-	0.0%	-	-	-	0.0%
21 Three-mill tax	-	-	-	0.0%	-	-	-	0.0%
22 Six-mill tax	-	-	-	0.0%	-	-	-	0.0%
23 Nine-mill tax	-	-	-	0.0%	-	-	-	0.0%
24 Interest income	-	31,904	(31,904)	-100.0%	105,301	396,640	(291,339)	-73.5%
25 Other Income	-	-	-	0.0%	-	164,371	(164,371)	-100.0%
26 Interest expense	-	-	-	0.0%	-	-	-	0.0%
27 Operating and maintenance grants	-	(165)	165	-100.0%	-	23	(23)	-100.0%
28 Total non-operating revenues	-	31,739	(31,739)	-100.0%	105,301	561,034	(455,733)	-81.2%
29 Income before capital contributions	3,232,216	3,685,684	(453,468)	-12.3%	11,058,530	23,764,264	(12,705,734)	-53.5%
30 Capital contributions	17,959	637,830	(619,871)	-97.2%	3,071,833	4,084,675	(1,012,842)	-24.8%
31 Change in net position	3,250,176	4,323,514	(1,073,338)	-24.8%	14,130,363	27,848,939	(13,718,576)	-49.3%
32 Net position, beginning of year	-	-	-	-	816,062,352	792,100,836	23,961,516	3.0%
33 Net position, end of year	-	-	-	-	830,192,715	819,949,775	10,242,940	1.2%

SEWERAGE AND WATER BOARD OF NEW ORLEANS
SEWER SYSTEM FUND
STATEMENT OF REVENUES AND EXPENSES AND CHANGES IN NET POSITION
WITH BUDGET COMPARISONS
September 2018

	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%
2 Sewerage service charges and del fees	9,327,925	10,777,991	(1,450,066)	-13.5%	83,887,945	86,223,925	(2,335,980)	-2.7%
3 Plumbing inspection and license fees	-	27,173	(27,173)	-100.0%	52,933	217,387	(164,454)	-75.7%
4 Other revenues	21,254	49,777	(28,523)	-57.3%	439,264	398,214	41,050	10.3%
5 Total operating revenues	9,349,179	10,854,941	(1,505,762)	-13.9%	84,380,142	86,839,527	(2,459,384)	-2.8%
Operating Expenses:								
6 Power and pumping	250,828	377,143	(126,315)	-33.5%	3,786,693	3,017,143	769,550	25.5%
7 Treatment	(44,707)	1,173,640	(1,218,346)	-103.8%	7,434,384	9,389,116	(1,954,732)	-20.8%
8 Transmission and distribution	706,605	1,313,740	(607,135)	-46.2%	10,898,704	10,509,923	388,780	3.7%
9 Customer accounts	244,022	232,947	11,075	4.8%	1,872,213	1,863,579	8,635	0.5%
10 Customer service	172,225	220,182	(47,956)	-21.8%	1,540,824	1,761,455	(220,631)	-12.5%
11 Administration and general	1,365,132	2,290,141	(925,009)	-40.4%	12,873,107	18,321,130	(5,448,023)	-29.7%
12 Payroll related	1,162,295	1,439,379	(277,084)	-19.3%	12,323,797	11,515,029	808,768	7.0%
13 Maintenance of general plant	377,938	934,568	(556,630)	-59.6%	5,473,794	7,476,542	(2,002,748)	-26.8%
14 Depreciation	1,730,049	1,863,333	(133,284)	-7.2%	15,570,442	14,906,667	663,775	4.5%
15 Amortization	-	-	-	0.0%	-	-	-	0.0%
16 Provision for doubtful accounts	88,736	215,560	(126,824)	-58.8%	798,624	1,724,479	(925,855)	-53.7%
17 Provision for claims	63,839	117,569	(53,730)	-45.7%	854,331	940,553	(86,223)	-9.2%
18 Total operating expenses	6,116,963	10,178,202	(4,061,239)	-39.9%	73,426,913	81,425,615	(7,998,703)	-9.8%
19 Operating income (loss)	3,232,216	676,739	2,555,477	377.6%	10,953,230	5,413,911	5,539,318	102.3%
Non-operating revenues (expense):								
20 Two-mill tax	-	-	-	0.0%	-	-	-	0.0%
21 Three-mill tax	-	-	-	0.0%	-	-	-	0.0%
22 Six-mill tax	-	-	-	0.0%	-	-	-	0.0%
23 Nine-mill tax	-	-	-	0.0%	-	-	-	0.0%
24 Interest income	-	38,868	(38,868)	-100.0%	105,301	310,947	(205,646)	-66.1%
25 Other income	-	76,820	(76,820)	-100.0%	-	614,562	(614,562)	-100.0%
26 Interest expense	-	-	-	0.0%	-	-	-	0.0%
27 Operating and maintenance grants	-	137,192	(137,192)	-100.0%	-	1,097,533	(1,097,533)	-100.0%
28 Total non-operating revenues	-	252,880	(252,880)	-100.0%	105,301	2,023,042	(1,917,741)	-94.8%
29 Income before capital contributions	3,232,216	929,619	2,302,597	247.7%	11,058,530	7,436,953	3,621,577	48.7%
30 Capital contributions	17,959	-	17,959	0.0%	3,071,833	-	3,071,833	0.0%
31 Change in net position	3,250,176	929,619	2,320,556	249.6%	14,130,363	7,436,953	6,693,410	90.0%
32 Net position, beginning of year	-	-	-	-	816,062,352	792,100,836	23,961,516	3.0%
33 Net position, end of year	-	-	-	-	830,192,715	799,537,789	30,654,926	3.8%

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 2018

	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%
2 Sewerage service charges and del fees	-	-	-	0.0%	-	-	-	0.0%
3 Plumbing inspection and license fees	-	-	-	0.0%	-	-	-	0.0%
4 Other revenues	2,582	113,417	(110,835)	-97.7%	77,380	139,185	(61,805)	-44.4%
5 Total operating revenues	2,582	113,417	(110,835)	-97.7%	77,380	139,185	(61,805)	-44.4%
Operating Expenses:								
6 Power and pumping	688,228	7,198,553	(6,510,325)	-90.4%	22,143,306	12,889,549	9,253,757	71.8%
7 Treatment	-	7,846	(7,846)	-100.0%	-	80,419	(80,419)	-100.0%
8 Transmission and distribution	316,787	57,533	259,254	450.6%	2,976,674	555,803	2,420,871	435.6%
9 Customer accounts	3,448	562	2,886	513.5%	21,539	5,215	16,324	313.0%
10 Customer service	7,660	4,330	3,330	76.9%	41,875	74,428	(32,553)	-43.7%
11 Administration and general	608,239	706,281	(98,042)	-13.9%	6,134,640	5,010,373	1,124,267	22.4%
12 Payroll related	769,153	1,032,587	(263,434)	-25.5%	7,985,802	7,737,639	248,163	3.2%
13 Maintenance of general plant	165,880	810,246	(644,366)	-79.5%	3,183,222	5,138,986	(1,955,764)	-38.1%
14 Depreciation	1,755,129	1,755,129	0	0.0%	15,796,165	15,978,035	(181,870)	-1.1%
15 Amortization	-	-	-	0.0%	-	-	-	0.0%
16 Provision for doubtful accounts	-	-	-	0.0%	-	-	-	0.0%
17 Provision for claims	31,920	96,668	(64,748)	-67.0%	448,817	548,564	(99,747)	-18.2%
18 Total operating expenses	4,346,443	11,669,735	(7,323,292)	-62.8%	58,732,041	48,019,011	10,713,030	22.3%
19 Operating income (loss)	(4,343,861)	(11,556,318)	7,212,457	-62.4%	(58,654,662)	(47,879,826)	(10,774,836)	22.5%
Non-operating revenues (expense):								
20 Two-mill tax	-	395	(395)	-100.0%	84	2,057	(1,973)	-95.9%
21 Three-mill tax	-	2,101,785	(2,101,785)	-100.0%	15,051,631	15,379,398	(327,767)	-2.1%
22 Six-mill tax	-	254,473	(254,473)	-100.0%	15,602,408	15,966,426	(364,018)	-2.3%
23 Nine-mill tax	-	381,442	(381,442)	-100.0%	23,387,333	23,932,908	(545,575)	-2.3%
24 Interest income	-	14,344	(14,344)	-100.0%	43,998	130,772	(86,774)	-66.4%
25 Other Income	-	-	-	0.0%	-	-	-	0.0%
26 Interest expense	-	-	-	0.0%	-	-	-	0.0%
27 Operating and maintenance grants	-	-	-	0.0%	-	-	-	0.0%
28 Total non-operating revenues	-	2,752,439	(2,752,439)	-100.0%	54,085,455	55,411,561	(1,326,106)	-2.4%
29 Income before capital contributions	(4,343,861)	(8,803,879)	4,460,018	-50.7%	(4,569,207)	7,531,735	(12,100,942)	-160.7%
30 Capital contributions	-	960,350	(960,350)	-100.0%	2,922,982	4,872,944	(1,949,962)	-40.0%
31 Change in net position	(4,343,861)	(7,843,529)	3,499,668	-44.6%	(1,646,224)	12,404,679	(14,050,903)	-113.3%
32 Net position, beginning of year					1,148,664,091	1,099,210,875	49,453,216	4.5%
33 Net position, end of year					1,147,017,867	1,111,615,354	35,402,513	3.2%

SEWERAGE AND WATER BOARD OF NEW ORLEANS
DRAINAGE SYSTEM FUND
STATEMENT OF REVENUES AND EXPENSES AND CHANGES IN NET POSITION
WITH BUDGET COMPARISONS
September 2018

	A	B	C	D	E	F	G	H
	MTD Actual	MTD Budget	MTD Variance	%	YTD Actual	YTD Budget	YTD Variance	%
Operating revenues:								
1 Sales of water and delinquent fees	-	-	-	0.0%	-	-	-	0.0%
2 Sewerage service charges and del fees	-	-	-	0.0%	-	-	-	0.0%
3 Plumbing inspection and license fees	-	-	-	0.0%	-	-	-	0.0%
4 Other revenues	2,582	-	2,582	100.0%	77,380	-	77,380	100.0%
5 Total operating revenues	2,582	-	2,582	100.0%	77,380	-	77,380	100.0%
Operating Expenses:								
6 Power and pumping	688,228	1,583,617	(895,389)	-56.5%	22,143,306	12,668,938	9,474,368	74.8%
7 Treatment	-	-	-	0.0%	-	-	-	0.0%
8 Transmission and distribution	316,787	349,727	(32,941)	-9.4%	2,976,674	2,797,819	178,855	6.4%
9 Customer accounts	3,448	2,494	954	38.2%	21,539	19,954	1,585	7.9%
10 Customer service	7,660	5,531	2,129	38.5%	41,875	44,247	(2,371)	-5.4%
11 Administration and general	608,239	1,062,067	(453,828)	-42.7%	6,134,640	8,496,537	(2,361,897)	-27.8%
12 Payroll related	769,153	766,045	3,108	0.4%	7,985,802	6,128,361	1,857,442	30.3%
13 Maintenance of general plant	165,880	735,293	(569,413)	-77.4%	3,183,222	5,882,347	(2,699,126)	-45.9%
14 Depreciation	1,755,129	1,795,833	(40,704)	-2.3%	15,796,165	14,366,667	1,429,499	10.0%
15 Amortization	-	-	-	0.0%	-	-	-	0.0%
16 Provision for doubtful accounts	-	-	-	0.0%	-	-	-	0.0%
17 Provision for claims	31,920	98,639	(66,719)	-67.6%	448,817	789,110	(340,293)	-43.1%
18 Total operating expenses	4,346,443	6,399,248	(2,052,804)	-32.1%	58,732,041	51,193,980	7,538,061	14.7%
19 Operating income (loss)	(4,343,861)	(6,399,248)	2,055,386	-32.1%	(58,654,662)	(51,193,980)	(7,460,682)	14.6%
Non-operating revenues (expense):								
20 Two-mill tax	-	-	-	0.0%	84	-	84	0.0%
21 Three-mill tax	-	-	-	0.0%	15,051,631	9,886,624	5,165,007	52.2%
22 Six-mill tax	-	-	-	0.0%	15,602,408	10,440,807	5,161,600	49.4%
23 Nine-mill tax	-	-	-	0.0%	23,387,333	15,650,127	7,737,207	49.4%
24 Interest income	-	30,500	(30,500)	-100.0%	43,998	244,000	(200,002)	-82.0%
25 Other Income	-	81,583	(81,583)	-100.0%	-	652,666	(652,666)	-100.0%
26 Interest expense	-	(10,858)	10,858	-100.0%	-	(86,866)	86,866	-100.0%
27 Operating and maintenance grants	-	-	-	0.0%	-	-	-	0.0%
28 Total non-operating revenues	-	101,225	(101,225)	-100.0%	54,085,455	36,787,358	17,298,097	47.0%
29 Income before capital contributions	(4,343,861)	(6,298,022)	1,954,161	-31.0%	(4,569,207)	(14,406,622)	9,837,415	-68.3%
30 Capital contributions	-	-	-	0.0%	2,922,982	-	2,922,982	0.0%
31 Change in net position	(4,343,861)	(6,298,022)	1,954,161	-31.0%	(1,646,224)	(14,406,622)	12,760,398	-88.6%
32 Net position, beginning of year	-	-	-	-	1,148,664,091	1,099,210,875	49,453,216	4.5%
33 Net position, end of year	-	-	-	-	1,147,017,867	1,084,804,253	62,213,614	5.7%

Sewerage and Water Board of New Orleans

Total System Unrestricted Cash and Cash Equivalents in Days of O&M Expenses at Month End September 2018

EUM Attribute:
Financial Viability

Description: Establish and maintain an effective balance between long-term debt, assets values, operations and maintenance expenditures, and operating revenues.

Constituency:
Suppliers and
Bondholders

Objective: Provide adequate cash to pay invoices on a timely basis

Goal: Cash balance of at least 180 days of O&M expenses.

Currently Meeting Goal: No

Process Operating Within Control Limits:
No

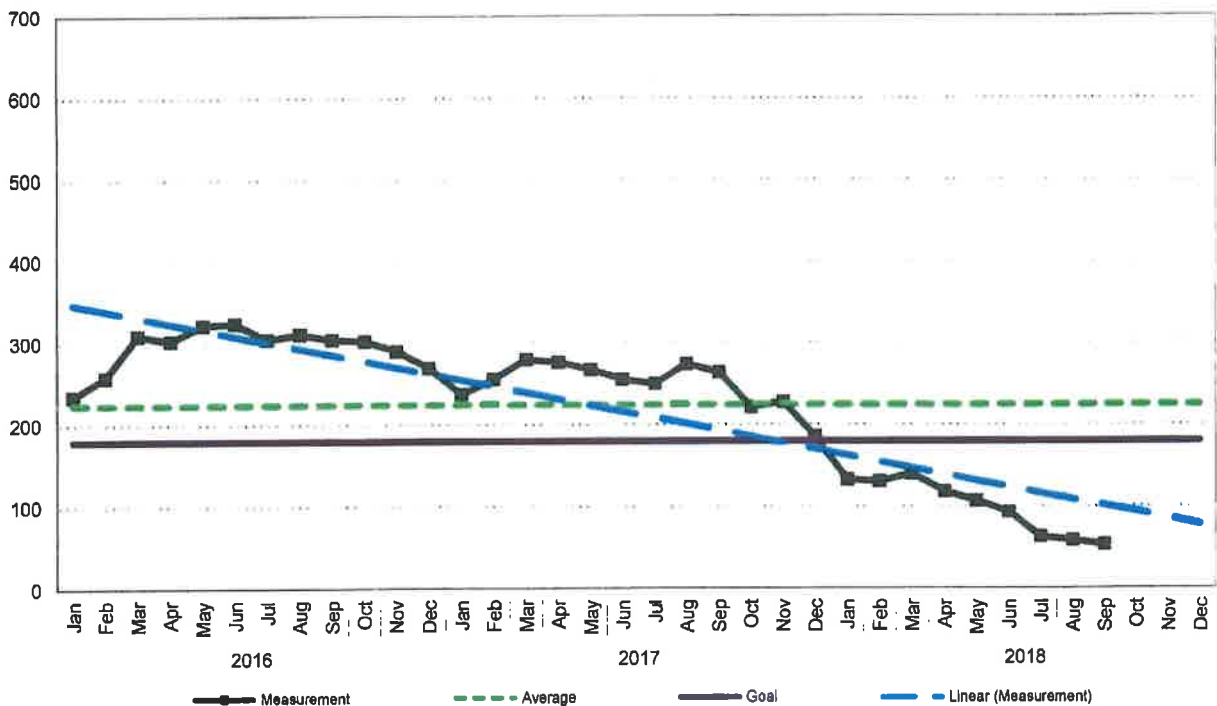
Trend: Unfavorable

Analysis

Monthly cash balances have remained stable except for repayment of previous inter-system loans. Note: Reclassification of certain current assets from restricted to unrestricted in October 2013 resulted in higher unrestricted balances.

Plans for Improvement

Utilize revenues generated from operations to increase cash balances according to 2011-2020 Financial Plan.



Data Table

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2016	234.7	257.4	309.3	302.7	321.7	324.2	304.3	310.6	304.1	302.0	289.7	269.0
2017	236.4	255.0	279.2	275.9	266.7	254.8	249.5	273.7	263.4	221.0	227.2	185.1
2018	132.6	130.6	139.6	118.1	106.3	92.9	62.9	58.3	52.9			

Sewerage and Water Board of New Orleans

Water System Unrestricted Cash and Cash Equivalents in Days of O&M Expenses at Month End September 2018

EUM Attribute:
Financial Viability

Description: Establish and maintain an effective balance between long-term debt, assets values, operations and maintenance expenditures, and operating revenues.

Constituency:
Suppliers and Bondholders

Objective: Provide adequate cash to pay invoices on a timely basis

Goal: Cash balance of at least 180 days of O&M expenses.

Currently Meeting Goal: No

Process Operating Within Control Limits:
Yes

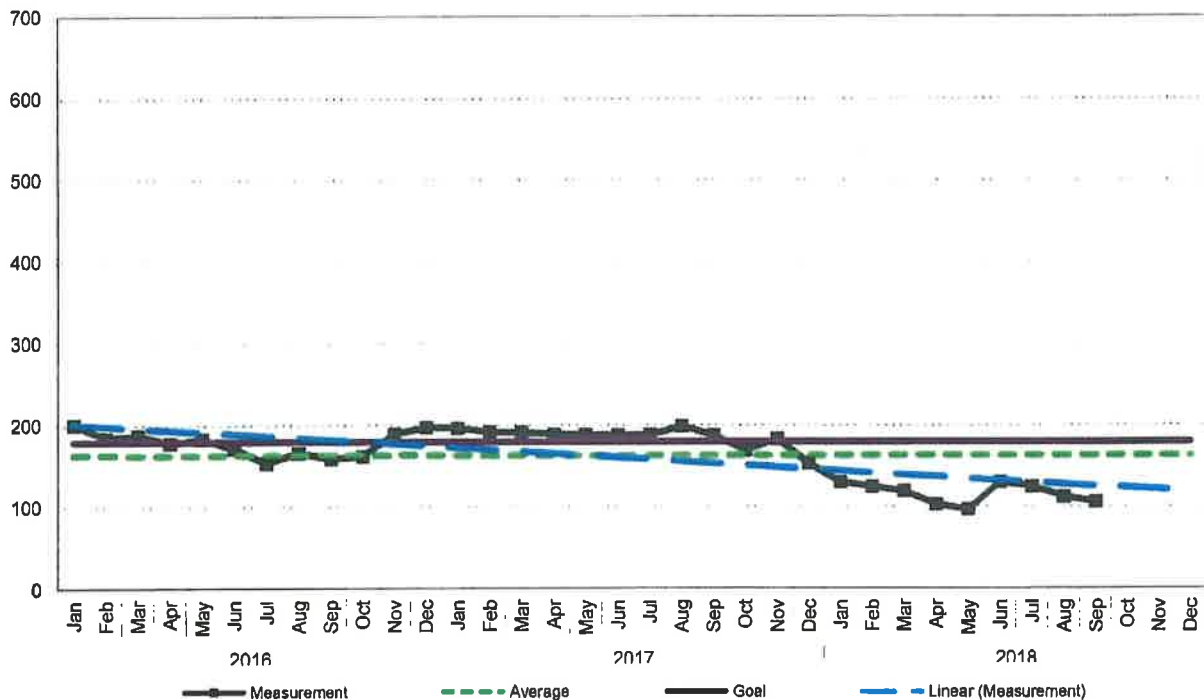
Trend: Unfavorable

Analysis

Monthly cash balances have remained stable except for repayment of previous inter-system loans. Note: Reclassification of certain current assets from restricted to unrestricted in October 2013 resulted in higher unrestricted balances.

Plans for Improvement

Utilize revenues generated from operations to increase cash balances according to 2011-2020 Financial Plan.



Data Table

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2016	200.6	184.5	187.7	178.0	183.0	171.5	153.5	165.9	158.9	162.2	189.3	197.3
2017	196.2	191.3	190.9	188.7	188.1	187.2	187.8	198.2	187.2	168.8	182.7	153.0
2018	130.1	124.7	119.0	102.4	96.4	130.0	124.7	112.2	106.0			

Sewerage and Water Board of New Orleans

Sewer System Unrestricted Cash and Cash Equivalents in Days of O&M Expenses at Month End September 2018

EUM Attribute:
Financial Viability

Description: Establish and maintain an effective balance between long-term debt, assets values, operations and maintenance expenditures, and operating revenues.

Constituency:
Suppliers and Bondholders

Objective: Provide adequate cash to pay invoices on a timely basis

Goal: Cash balance of at least 180 days of O&M expenses.

Currently Meeting Goal: No

Process Operating Within Control Limits:
No

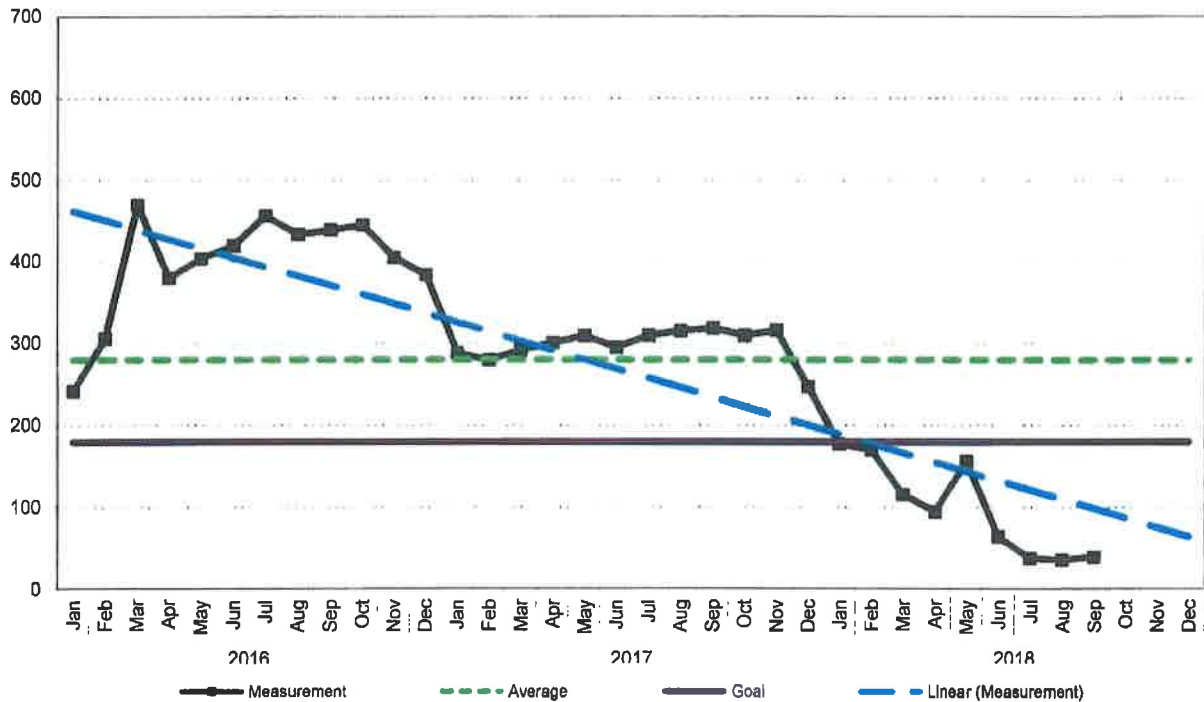
Trend: Unfavorable

Analysis

Monthly cash balances have remained stable except for repayment of previous inter-system loans. Note: Reclassification of certain current assets from restricted to unrestricted in October 2013 resulted in higher unrestricted balances.

Plans for Improvement

Utilize revenues generated from operations to increase cash balances according to 2011-2020 Financial Plan.



Data Table

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2016	241.4	305.3	469.9	380.4	403.7	419.5	456.4	433.1	438.7	444.9	405.1	383.9
2017	287.5	279.1	291.3	300.4	308.7	294.4	309.3	314.6	317.9	309.3	315.3	246.7
2018	176.8	169.9	115.7	94.3	155.4	64.4	37.7	35.9	39.6			

Sewerage and Water Board of New Orleans

Drainage System Unrestricted Cash and Cash Equivalents in Days of O&M Expenses at Month End September 2018

EUM Attribute:
Financial Viability

Description: Establish and maintain an effective balance between long-term debt, assets values, operations and maintenance expenditures, and operating revenues.

Constituency:
Suppliers and
Bondholders

Objective: Provide adequate cash to pay invoices on a timely basis

Goal: Cash balance of at least 180 days of O&M expenses.

Currently Meeting Goal: No

Process Operating Within Control Limits:
No

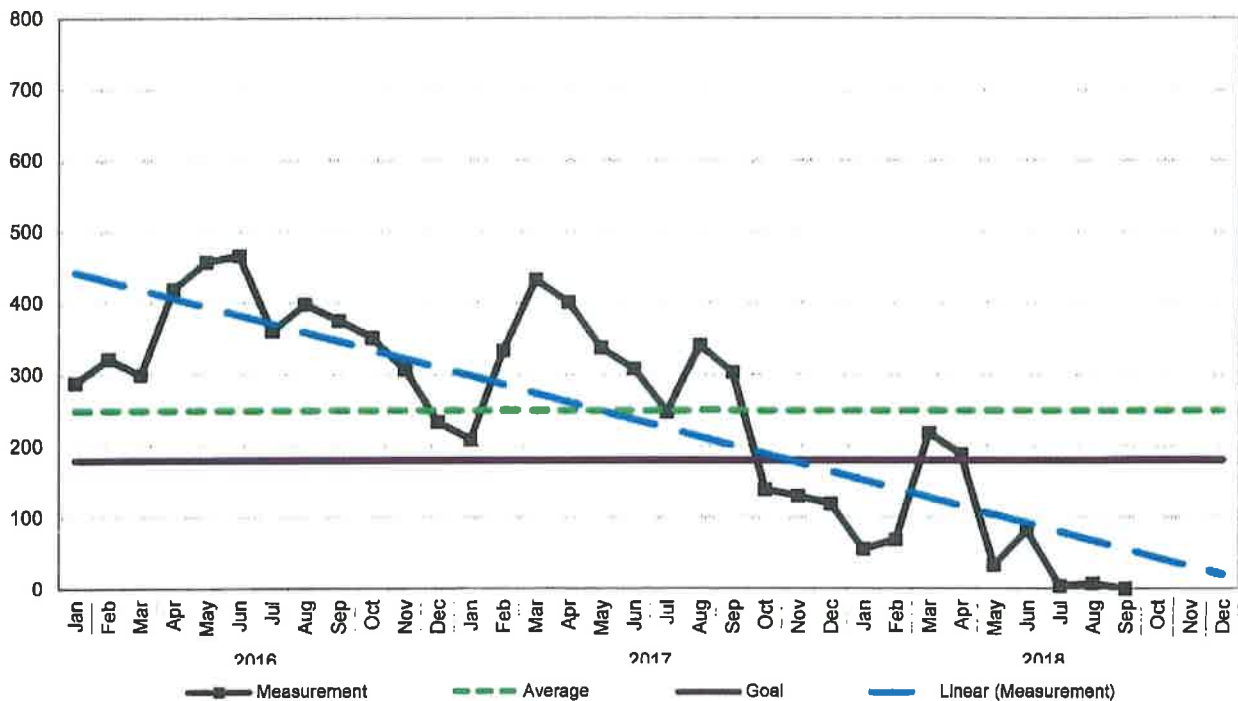
Trend: Unfavorable

Analysis

Monthly cash balances typically increase during the first quarter from property tax collections and then decrease for the remainder of the year. The long-term goal will not be met until a new revenue stream for the drainage system is created and implemented.

Plans for Improvement

Utilize revenues generated from operations to increase cash balances according to 2011-2020 Financial Plan.



Data Table

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2016	287.9	321.6	299.4	419.2	457.5	466.6	360.3	398.3	375.3	351.2	306.8	233.7
2017	209.5	333.3	432.7	400.8	337.1	307.5	247.6	340.3	302.4	139.2	130.2	119.1
2018	56.1	69.0	218.1	188.2	33.6	81.6	3.8	7.5	0			

Sewerage and Water Board of New Orleans
Comparative Variance Indicators for Financial Results
Through September 2018

Statement of Revenues, Expenses, and Changes in Net Position with Prior Year Comparisons	Total	Water	Sewer	Drainage
Revenues				
Operating Expenses				
Non-Operating Revenues and Expenses				
Income before Capital Contributions				
Statement of Revenues, Expenses, and Changes in Net Position with Budget Comparisons	Total	Water	Sewer	Drainage
Revenues				
Operating Expenses				
Non-Operating Revenues and Expenses				
Income before Capital Contributions				
Statement of Net Position with Prior Year Comparisons	Total	Water	Sewer	Drainage
Plant, Property, and Equipment				
Restricted Current Assets				
Unrestricted Designated Current Assets				
Unrestricted Undesignated Current Assets				
Net Position				
Long-Term Liabilities				
Current Liabilities from Unrestricted Assets				
Current Liabilities from Restricted Assets				
Statement of Cash Flows with Prior Year Comparisons	Total	Water	Sewer	Drainage
Operating Activities				
Non-Capital Financing Activities				
Capital and Related Financing Activities				
Investing Activities				
Net Increase in Cash				

Green = Favorable Variance
Yellow = Unfavorable Variance / No Action Recommended
Red = Unfavorable Variance / Action Recommended

Project Delivery Unit October Report											
Hurricane Katrina	# of PWs	Obligations	FEMA Revenue Received per LAPA	% Financially Complete	Total # PWs Submitted for Closeout	Total \$ Value Submitted for Closeout	# PWs Officially Closed	% Submitted	% Closed	# PWs Submitted but Not Closed	Total \$ Value Submitted but Not Closed
St. Joseph Headquarters	20	\$ 2,128,479.30	\$ 1,402,516.25	66%	19	\$ 1,027,882.31	15	95%	75%	4	\$ 503,145.45
Central Yard	42	\$ 28,928,087.23	\$ 22,355,127.44	77%	40	\$ 27,918,344.18	29	95%	69%	11	\$ 5,667,272.68
Wastewater Treatment Plant	128	\$ 90,676,666.76	\$ 76,250,120.97	84%	127	\$ 84,812,158.76	122	99%	95%	5	\$ 37,694,521.32
Carrollton Water Plant	55	\$ 75,510,729.48	\$ 64,661,828.16	86%	53	\$ 13,938,610.88	48	96%	87%	5	\$ 2,147,351.12
Distribution Network	27	\$ 196,906,699.43	\$ 160,739,812.46	82%	25	\$ 116,414,184.96	16	93%	59%	9	\$ 86,616,141.16
JIRR	2	\$ 268,448,968.15	\$ 3,369,867.79	1%	0	\$ -	0	0%	0%	0	\$ -
Donors	53	\$ 68,387,383.70	\$ 53,508,660.19	78%	0	\$ -	0	0%	0%	0	\$ -
Pump Stations	166	\$ 81,315,996.30	\$ 69,262,176.64	85%	156	\$ 69,240,965.03	139	94%	84%	17	\$ 22,794,554.95
Total	493	\$ 812,303,010.35	\$ 451,550,109.90	56%	420	\$ 313,352,146.12	369	85%	75%	51	\$ 155,422,986.68

Hurricane Gustav	# of PWs	Obligations	FEMA Revenue Received	% Financially Complete	Total # PWs Submitted for Closeout	Total \$ Value Submitted for Closeout	# PWs Officially Closed	% Submitted	% Closed	# PWs Submitted but Not Closed	Total \$ Value Submitted but Not Closed
Total	9	\$ 668,689.06	\$ 668,689.06	100%	9	\$ 668,689.06	8	100%	89%	1	\$ 2,910.42

Hurricane Isaac	# of PWs	Obligations	FEMA Revenue Received	% Financially Complete	Total # PWs Submitted for Closeout	Total \$ Value Submitted for Closeout	# PWs Officially Closed	% Submitted	% Closed	# PWs Submitted but Not Closed	Total \$ Value Submitted but Not Closed
Total	8	\$ 1,554,775.01	\$ 955,019.44	61%	1	\$ 4,540.20	1	13%	13%	0	\$ -

Hurricane Katrina Hazard Mitigation	HMGP No.	# of Contracts	Obligations	FEMA Revenue Received	% Financially Complete	Total # of Contracts Completed	Total \$ Value Submitted for Closeout	# PWs Contracts Closed	% Submitted	% Closed	# Contracts Submitted but Not Closed	Total \$ Value Submitted but Not Closed
Retrofit of Power House	39	10	\$ 91,510,697.00	\$ 73,132,602.62	80%	2	\$ -	0	0%	0%	0	\$ -
Flood Mitigation of 9 SPS	6	9	\$ 19,987,722.00	\$ 19,076,237.25	95%	8	\$ -	0	0%	0%	0	\$ -
Total		19	\$ 111,498,419.00	\$ 92,208,839.87	83%	10	\$ -	0	0%	0%	0	\$ -

Hurricane Ike Hazard Mitigation	HMGP No.	# of Projects	Obligations	FEMA Revenue Received	% Financially Complete	Total # of Contracts Completed	Total \$ Value Submitted for Closeout	# PWs Contracts Closed	% Submitted	% Closed	# Contracts Submitted but Not Closed	Total \$ Value Submitted but Not Closed
Five Underpass Generators	2	1	\$ 988,658.00	\$ 839,129.23	85%	0	\$ -	0	0%	0%	0	\$ -
Total		1	\$ 988,658.00	\$ 839,129.23	85%	0	\$ -	0	0%	0%	0	\$ -

TOTAL FEMA
REVENUE RECEIVED
\$
546,221,787.50



SEWERAGE AND WATER BOARD

Inter-Office Memorandum

Date: October 24, 2018

To: Ghassan Korban, Executive Director

Thru: Irma Plummer, EDBP Director

From: Veronica Christmas, EDBP Compliance Officer

Re: EDBP Contracts Summary - October 2018

Analyses conducted by EDBP

For the month of October 2018, the EDBP Department received two (2) Goods and Services contracts to review.

GOODS AND SERVICES CONTRACTS

Furnishing 4" and 5" Fire Hydrants with McGard Anti Tampering Device – REQ NO. YW18-0093

On Thursday, October 18, 2018, two (2) bids were received for subject contract. The bid total is as follows:

Cimsco	\$1,999,200.00
Kennedy Valve	\$2,154,450.00

Ten percent (10%) SLDBE participation was requested on this contract.

Cimsco, lowest bidder, submitted EFT Diversified, Inc. (*Eligible – Certified SLDBE*) to provide supplies. Signed correspondence from the DBE on their own letterhead reaffirming negotiated terms was provided.

Total Participation: \$199,920.00 – 10.00%

Kennedy Valve, the second lowest bidder, submitted EFT Diversified, Inc. (*Eligible – Certified SLDBE*) to provide supplies. The submitted participation summary sheet did not include the dollar amount of work to be performed and is therefore considered incomplete. Signed correspondence from the DBE on their own letterhead reaffirming negotiated terms was not provided.

Total Participation: \$0 – 10.00%

Documented Good Faith Effort accompanied with notarized affidavit was not provided.

Based upon analysis of SLDBE participation, the Economically Disadvantaged Business Program recommends that the SLDBE participation submitted by Cimsco be considered as responsive to meeting EDBP bid requirements and Kennedy Valve be considered as nonresponsive.

Furnishing River Sand and Mason Sand – REQ NO. YW18-0137

On Thursday, October 18, 2018, three (3) bids were received for subject contract. The bid total is as follows:

Hamp's Enterprises, LLC	\$285,000.00
The Three C's Properties, Inc.	\$294,000.00
Beverly Construction Co., LLC	\$316,500.00

Thirty percent (30%) SLDBE participation was requested on this contract.

Hamp's Enterprises, LLC, the lowest bidder, submitted Boines Construction & Equipment Company, Inc. (*Eligible - Certified SLDBE*) to supply river sand material. Signed correspondence from the DBE on their own letterhead reaffirming negotiated terms was provided.

Total Participation: \$90,000.00 – 31.58%

The Three C's Properties, Inc., the second lowest bidder, provided a participation summary sheet listing themselves as the subcontractors for DBE participation credit, which is against EDBP policy. Signed correspondence from an eligible SLDBE on their own letterhead reaffirming negotiated terms was not provided.

Total Participation: \$294,000.00 – 100.00%

Documented Good Faith Effort accompanied with notarized affidavit was not provided.

Beverly Construction Co., LLC, the third lowest bidder, submitted Jett Services, LLC (*Eligible - Certified DBE*) to haul sand. Signed correspondence from the DBE on their own letterhead reaffirming negotiated terms was not provided.

Total Participation: \$110,000.00 – 34.76%

Documented Good Faith Effort accompanied with notarized affidavit was not provided.

Based upon analysis of SLDBE participation, the Economically Disadvantaged Business Program recommends that the SLDBE participation submitted by Hamp's Enterprises, LLC, be considered as responsive to meeting EDBP bid requirements and the SLDBE participation submitted by The Three C's Properties, Inc. and Beverly Construction Co., LLC be considered as nonresponsive.

Construction Review Committee Recommendations

The Construction Review Committee did not convene for the month of October 2018, because no new projects were submitted for review.

Staff Contract Review Committee Recommendations

The Staff Contract Review Committee convened Thursday, October 11, 2018 and made the following recommendations:

RENEWAL CONTRACTS

1) Request for furnishing Solid Wall (PVC) Pipe SDR 26 & 35 and Polyvinyl Chloride (PVC) C-900 Pipe for the Water Distribution System

Budget Amount:	\$75,000.00
Renewal Option:	First and Final Renewal Option
Renewal Cost:	\$68,575.25
Percentage Goal:	0%
Prime Contractor:	Cimsco, Inc.

2) Request for Furnishing Paper Products & Janitorial Supplies

Budget Amount:	\$75,000.00
Renewal Option:	First and Final Renewal Option
Renewal Cost:	\$70,543.50
Percentage Goal:	30%
Percentage Goal Achieved:	30.09%
Prime Contractor:	Assorted Products, LLC

3) Request for Furnishing Safety Supplies

Budget Amount:	\$200,000.00
Renewal Option:	First and Final Renewal Option
Renewal Cost:	\$124,668.85
Percentage Goal:	30%
Percentage Goal Achieved:	32.42%%
Prime Contractor:	Southeast Safety & Supply

DEFERRED CONTRACT

1) Request for Furnishing Aerosol, Janitorial & Industrial Chemicals

Budget Amount:	\$350,000.00
Renewal Option:	First and Final Renewal Option
Renewal Cost:	\$295,575.50
Percentage Goal:	30%
Percentage Goal Achieved:	18.74%%
Prime Contractor:	Assorted Products, LLC

FINAL ACCEPTANCE CONTRACT with DBE PARTICIPATION

For the month of October 2018, there was one (1) Final Acceptance construction contract with DBE participation to report.

Contract #30100- Electrical Modifications to Effluent Pump Station at the East Bank WWTP

DBE Goal:	15.00%
DBE Participation Achieved:	32.72%
Prime Contractor:	Gootee Construction, Inc.
Closeout Date:	October 2018

The Economically Disadvantaged Business Program recommends that the participation on subject contract be approved for Final Acceptance.

Sewerage & Water Board of New Orleans Contracts with DBE Participation January through October 2018

See report as follows:

Sewerage & Water Board New Orleans Awarded Projects with SLDBE Participation January 2018 - October 2018

Category	Category Dollar Amount	SLDBE Dollar Value
Construction Projects	\$ 38,748,228	\$ 12,925,835
Goods & Services Projects	\$ 1,529,243	\$ 335,887
Professional Services Projects	\$ 1,661,089	\$ 194,374
Grand Total	\$ 41,938,560	\$ 13,456,096

Contract No./Description	%DBE Goal	Contract \$	Prime	Sub(s)	% DBE Part (Prime)	\$ Sub Award	\$ Sub Paid	% DBE Sub Paid	Award date
#2129 - Water Main Point Repair, Water Service Connection, Water Valve and Fire Hydrant Replacement at Various Sites throughout Orleans Parish	36%	\$870,883.00	Grady Crawford Construction Co., Inc.	Pumell Construction Co., LLC; to provide labor, material, and equipment	36.18%	\$315,000.00	Notice to Proceed has not been delivered		2/21/2018
#2155 - Carrollton Water Plant Engineering Building Renovations	35%	\$443,000.00	Malin Construction Co., Inc.	Thomville Services, Inc.; to perform demolition, electrical, drywall, framing, and painting	42.89%	\$190,000.00	No payment recorded to prime or sub to date		2/21/2018
#30106 - Rehabilitation of Bio-Reactor Train #4 at the East Bank Wastewater Treatment Plant	19%	\$1,897,000.00	Chart Mechanical Construction, LLC	EFT Diversified, Inc.; to perform transportation and disposal of removed materials	20.56%	\$390,000.00	NTP has not been delivered		2/21/2018
#30110 - Electrical Improvements Phase II Replacement of Motor	13%	\$969,000.00	Waller J. Barnes Electric Co., Inc.	C. Watson Group, LLC; to supply electrical equipment	37.67%	\$365,000.00	NTP has not been delivered		3/28/2018
#5241 - DPS #1 Anti-Siphon Project	10%	\$529,000.00	M.R. Pittman Group, LLC	J. Brown Construction, LLC; to supply butterfly valves and actuators	45.68%	\$241,638.00	NTP has not been delivered		3/28/2018
#30216 - Electrical Improvements Phase II Replacement of Motor Control Centers F&G and Associated 480V Switchgear at EBWWTP	36%	\$898,300.00	Wallace C. Drennan, Inc.	Prince Dump Truck Services, LLC; to provide general hauling of various types of material, to-and-from job sites. Supply sand & aggregate materials, trucking and Choice Supply Solutions; to supply materials	20.82%	\$187,000.00	NTP has not been delivered		3/28/2018
				Cooper Contracting Group, LLC; construction underground utilities, site preparation, concrete and asphalt paving	6.96%	62,500.00			
					8.35%	75,000.00			
				Total	36.12%	\$324,500.00			
#2130 - Water Main Point Repair, Water Service Connection, Water Valve and Fire Hydrant Replacement at Various Sites throughout Orleans Parish	36%	\$3,887,040.00	Wallace C. Drennan, Inc.	C&M Construction Group, Inc.; to perform asphalt and concrete restoration.	25.98%	\$1,010,000.00	NTP has not been delivered		5/16/2018
				Prince Dump Truck Services, LLC; to perform trucking and hauling services	5.16%	200,712.00			
				Choice Supply Solutions; to provide hydrants and all associated products	5.15%	200,000.00			
				Total	36.29%	\$1,410,712.00			
#2131 - Installation of New Water, Sewer, and Drain Service Connections at Various Sites throughout Orleans Parish	36%	\$2,962,550.00	Fleming Construction Co., LLC	Cooper Contracting Group, LLC; to perform installation of service connections and asphalt and concrete pavement restoration	30.38%	\$900,000.00	NTP has not been delivered		5/16/2018
				F.P. Richard Construction, LLC; to perform asphalt and concrete pavement restoration	4.39%	130,000.00			
				Hebert's Trucking and Equipment Service; to perform trucking	1.69%	50,000.00			
				Total	36.46%	\$1,080,000.00			

Contract No./Description	%DBE Goal	Contract \$	Prime	Sub(s)	% DBE Part (Prime)	\$ Sub Award	\$ Sub Paid	% DBE Sub Paid	Award date
#30109 - Sewer Pumping Station A Structural Rehabilitation	36%	\$1,669,984.00	Cycle Construction Co., LLC	K-Belle Consultants, LLC; to perform structural and flatwork construction	32.09%	\$535,967.00	NTP has not been delivered		5/16/2018
				RHL Investments, LLC; to perform architectural painting	2.78%	46,489.00			
				NOLA Steele Fabrication & Erection, LLC; to install structural steel	1.47%	24,579.00			
				Traffic Solutions, Inc.; to provide temporary signs and barricades	0.26%	4,307.50			
				A&A Enterprises, Inc.; to perform sawcutting & wall sawing	0.26%	4,377.00			
Urban Systems, Inc; to provide traffic control plan	0.21%	3,500.00							
				Total	37.08%	\$619,219.50			
#30211 - Acoustic Pipe Assessment, Cleaning, CCTV Inspection, and Application of Grease Inhibiting Chemical of Sanitary Sewer and/or Storm Drainage Mains at Scattered Sites within Orleans Parish	36%	\$1,291,750.00	Compliance EnviroSystems, LLC	Blue Flash Sewer Services, Inc.; to perform pipe cleaning and CCTV inspection	40.00%	\$516,700.00	NTP has not been delivered		3/28/2018
#30217 - Cleaning and CCTV Inspection of Sanitary Sewer Mains at Scattered Sites within Orleans Parish	36%	\$715,350.00	Compliance EnviroSystems, LLC	Blue Flash Sewer Services, Inc.; to perform pipe cleaning and CCTV inspection	40.00%	\$286,140.00	NTP has not been delivered		3/28/2018
#30102 - DPS #17/Station D Structural Repairs	26%	\$8,766,710.00	The McDonnell Group, LLC	Small Construction Group; to supply masonry material, perform masonry point and crack repair, installation all scaffold	22.54%	\$1,976,000.00	NTP has not been delivered		5/16/2018
				NOLA Steele Fabrication & Erection, LLC; to supply, fabricate, and install structural steel components	4.71%	413,165.87			
				Total	27.25%	\$2,389,165.87			
#30218 - Restoration of Gravity Flow Sanitary Sewers by Point Repair of Sewer Mains at Various Sites throughout the City of New Orleans	36%	\$3,899,888.00	Command Construction Industries, LLC	C&M Construction Group, Inc.; to perform roadway restoration	25.48%	\$993,800.00	NTP has not been delivered		5/16/2018
				Cooper Contracting Group; to perform sewer rehabilitation	10.52%	410,160.00			
				Total	36.00%	\$1,403,960.00			
#1406 - Structural and Filler Rehab in the Area of Sycamore Filler Gallery; Filters #13, #15, #18, and #17	20%	\$2,402,950.00	Industrial & Mechanical Contractors, Inc.	Gridline Services, LLC; to remove and install filter media	23.46%	\$563,800.00	NTP has not been delivered		7/21/2018
#3799 - Biosolid Incinerator System Improvements Sludge Drying System Equipment Installation at the East Bank Wastewater Treatment Plant	38%	\$3,667,900.00	Industrial & Mechanical Contractors, Inc.	Ashley Savorino Unlimited Construction, LLC; demolition, relocation of tank, steel fabrication, equipment storage and setting	38.17%	\$1,400,000.00	NTP has not been delivered		7/21/2018
#30219 - Restoration of Gravity Flow Sanitary Sewers by Excavation and Replacement from Manhole-to-Manhole, CIPP Lining from Manhole-to-Manhole, CIPP Lining of Service Laterals and Point Repair at Various Sites throughout the City of New Orleans	36%	\$3,877,123.00	Wallace C. Drennan, Inc.	C&M Construction Group, Inc.; to perform Municipal & Public Work construction	25.79%	\$1,000,000.00	NTP has not been delivered		5/16/2018
				Dieudonne Enterprises; Municipal & Public Work construction	3.87%	\$150,000.00			
				Choice Supply Solutions; material supplies	0.77%	\$30,000.00			
				Prince Dump Truck Services, LLC; trucking and hauling services	6.45%	250,000.00			
				Total	36.88%	\$1,430,000.00			
Total Construction Projects		\$38,748,228.00			33%	\$12,925,835.37			

Sewerage & Water Board of New Orleans Open Market Bids with DBE Participation January 2018 - October 2018

Goods & Services Projects Awarded 2018

Contract No./Description	%DBE Goal	Contract \$	Prime	Sub(s)	% DBE Part (Prime)	\$ Sub Award	\$ Sub Paid	% DBE Sub Paid	Award date
#YW18-0001 - Furnishing Hand Tools, Hardware Supplies, Paint & Paint Supplies	30%	\$314,142.90	Assorted Products, LLC	Westbank Paper & Janitorial Supply, Inc.; to provide supplies	30.08%	\$94,500.00	No invoice activity to date		3/28/2018
#PM18-0014 - Furnishing Hoses and Accessories	5%	\$136,586.55	Atlas Hose & Gasket Co., LLC	Next Generation Logistics; to perform logistical and delivery services	5.01%	\$6,841.00	No invoice activity to date		5/16/2018
#PM18-0064 - Furnishing of Solid Waste Disposal Services	20%	\$61,675.64	Richard's Disposal, Inc.	MDL Enterprises, Inc.; to perform roll-off hauling	20.11%	\$12,400.00	NTP has not been delivered		6/14/2018
#PDU18-0018 - Purchase, Delivery and Installation of Office Furniture for the JIR Office Renovation	10%	\$96,817.00	Contract Furniture Group, LLC	Bart's Office, Inc.; to receive, deliver, and install furniture	10.18%	\$9,853.17	NTP has not been delivered		6/14/2018
Furnishing Grass Cutting and Debris Pickup of SWBNO West Bank Canal	20%	\$309,255.66	Ramelli Janitorial Service, Inc.	The Hardie Company, LLC	20%	\$61,851.13			7/1/2018
Furnishing Grass Cutting and Debris Pickup of SWBNO East Bank Canal	25%	\$610,765.20	Ramelli Janitorial Service, Inc.	The Hardie Company, LLC	25%	\$150,441.30			7/1/2018
Total Goods & Services Projects		\$1,529,242.95			22%	\$335,886.60			

Sewerage & Water Board of New Orleans Open Market Bids with DBE Participation January 2018 - October 2018

Professional Services Projects Awarded 2018

Contract No./Description	%DBE Goal	Contract \$	Prime	Sub(s)	% DBE Part (Prime)	\$ Sub Award	\$ Sub Paid	% DBE Sub Paid	Award date
EV180001 - Municipal Separate Storm Water (MS4) Permit Renewal, MS4 Annual Report, and Spill Prevention, Control, Countermeasure (SPCC) Plan	5%	\$120,854.00	Digital Engineering	The Beta Group	5.00%	\$6,270.00	Notice has not been delivered		3/28/2018
EV180002 - Environmental Consulting Services for Limited Phase II Subsurface Investigation of Existing Diesel Above Ground Storage Tank	5%	\$26,046.00	APTIM Environmental & Infrastructure, Inc.	Gulf South Engineering and Testing, Inc.	6%	\$1,560.00	Notice to Proceed has not been delivered		3/28/2018
HMGP Contract 1368 For Oak Street Pumping Station Rehabilitation Testing Services	35%	\$230,925.00	Fugro USA Land, Inc.	Gulf South Testing & Inspection	35%	\$80,823.75			4/16/2018
DPS #4 Canopy and Bridge Crane	35%	\$308,264.00	All South Consulting Engineers, LLC	Infinity Engineering Consultants, LLC	12.40%	\$38,120.00			5/3/2018
				The Beta Group Engineering and Construction Services, LLC	22%	\$67,600.00			
				Total	34.40%				
Contract 170065 - Leak Detection and Fire Flow Testing Services at Various Sites throughout Orleans Parish	15%	\$975,000.00	Echologics, LLC	Fulcrum Enterprises	15%	\$146,250.00			6/20/2018
Total Professional Services Projects		\$1,661,089.00			12%	\$194,373.75			



SEWERAGE AND WATER BOARD

Inter-Office Memorandum

Date: October 25, 2018

From: Conestler Green, Buyer III of Procurement

From: Candace Newell

Sewerage and Water Board New Orleans- Board Relations

Re: Executive Director's Approval of Contracts of \$1,000,000.00 or less

1. Covia Lime, LLC, dba Southern Lime
8035 Hwy 25, P O Box 128, Calera, AL 35040

- Furnishing Lime to Algiers Water Plant
- Start Date: 12/1/18 thru 11/30/19 with (1) one year renewal option
- \$251,100.00 annually

2. McGard LLC
610 Kings Bridge Rd., Cave Spring, GA 30124

- Furnishing Fire Hydrant Anti-Tampering Devices
- Start Date: 12/1/18 thru 11/30/19 with (1) one year renewal option
- \$318,575.00 annually

3. Hamp's Enterprises, LLC, 1319 Newton St., New Orleans, LA 70114

- Furnishing River Sand and Mason Sand
- Start Date: 12/1/18 thru 11/30/19 with (1) one year renewal option
- \$285,000.00

- Upon request, complete contract available for review in Procurement office