

# ***SEWERAGE & WATER BOARD OF NEW ORLEANS***

## **COMMITTEE ON INFRASTRUCTURE**

**WEDNESDAY, FEBRUARY 5, 2014**

**9:00 AM**

### **COMMITTEE MEMBERS**

Ms. Florence Schornstein, Chair • Mr. Marion B. Bracy • Ms. Kerri Kane • Mr. Glen Pilie • Dr. Beverly Wright

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## **FINAL AGENDA**

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### **ACTION ITEMS**

1. Approval of Previous Report

### **EDUCATIONAL REPORT**

- ☐ Green Infrastructure Plans
- ☐ Water Quality Laboratory Capabilities
- ☐ Switch Gear Problems

### **INFORMATION ITEMS**

2. Cooperative Endeavor Agreement / University of New Orleans Odor Control Study
3. Cooperative Endeavor Agreement / Parks and Parkways Green Infrastructure
4. 2014 Committee/Board Meeting Schedule
5. Any Other Matters
6. Reference Material (**In Binders**)
  - A. Sewerage and Water Board By-Laws
  - B. 2014 Operating & Capital Program
  - C. Strategic Plan
  - D. Tracking Tool for Commitments to the City Council
  - E. Bond Rating
7. Adjournment



**"RE-BUILDING THE CITY'S WATER SYSTEMS FOR THE 21<sup>ST</sup> CENTURY"**

# **Sewerage & Water Board OF NEW ORLEANS**

MITCHELL J. LANDRIEU, *President*  
WM. RAYMOND MANNING, *President Pro-Tem*

625 ST. JOSEPH STREET  
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Wednesday, December 4, 2013

## **TO THE HONORABLE PRESIDENT AND MEMBERS OF THE SEWERAGE AND WATER BOARD OF NEW ORLEANS**

Mesdames and Messieurs:

The **Infrastructure Committee** met on Wednesday, December 04, 2013 in the 2<sup>nd</sup> Floor Board Room, 625 St. Joseph Street, New Orleans, LA. with Mrs. Florence Schornstein, Mr. Glen Pilie, Ms. Kerri Kane and Dr. Beverly Wright at approximately 9:05 a.m.

### **ACTION ITEMS**

1. The Infrastructure Committee report of Wednesday, September 04, 2013 was motioned by Dr. Wright and seconded by Ms. Kane. The motion carried.
2. Board's Hazard Mitigation Plan (R-232-2013). The Federal Emergency Management Agency (FEMA) has approved the Board's Hazard Mitigation Plan and it staff's recommendation for the committee to adopt this plan. Jason Higginbotham presented an overview of the Hazard Mitigation Plan. Mr. Pilie motioned and seconded by Dr. Wright. The motion carried.

### **EDUCATIONAL REPORT & DISCUSSION**

Deputy General Superintendent Madeline Goddard presented a slide overview discussion of the S&WB's educational and training initiatives/programs for employees related to the East Bank and West Bank Wastewater Treatment Plant Operations, Maintenance and Management Services (contracts/work).

### **INFORMATION ITEMS**

3. 2014 Operating Budget - **Received**
4. 2014 – 2023 Capital Improvement Plan - **Received**
5. Amendments to By-Laws of S&WB - **Received**
6. Award of East Bank and West Bank Wastewater Treatment Plant Operations, Maintenance and Management - **Received**
7. Executive Director Search Update – **Received**
8. 2014 Committee/Board Meeting Schedule - **Received**

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# SEWERAGE AND WATER BOARD OF NEW ORLEANS

## Inter-Office Memorandum

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**Date:** February 2, 2014

**From:** Madeline F. Goddard, P.E.  
Deputy General Superintendent

**To:** Robert K. Miller  
Interim Executive Director

Joseph R. Becker, P.E.  
General Superintendent

**Re:** Agreement between University of New Orleans Department of Civil and Environmental Engineering and the Sewerage and Water Board of New Orleans for Monitoring and Odor Control Project.

Attached you will find Resolution R-027-2014 which is being presented for authorization to enter into a cooperative endeavor agreement with the Board of Supervisors of the University of Louisiana System acting for the University of New Orleans Department of Civil and Environmental Engineering for monitoring and odor control project.

### Background

The Sewerage and Water Board of New Orleans (S&WB) conducted odor studies of the West Bank sewerage system in response to resident complaints from the neighborhood adjacent to the West Bank Wastewater Treatment Plant in December 2000. A similar study was conducted for the East Bank sewerage system in July 2001. The purpose of the studies were to determine if odors existed with the system, and if so, develop recommendations to control odors and to prevent migration of odors off-site. Since those studies, odor control chemicals have been fed in the sewage system ahead of the wastewater treatment plants. With the S&WB entering into a new operation, maintenance and management contract with Veolia, the timing is appropriate to again conduct baseline monitoring and odor control studies at the East and West Bank Wastewater Treatment Plants to ensure the S&WB is continuing to being a good neighbor.

### Scope of Work

S&WB and the University of New Orleans Department of Civil and Environmental Engineering (UNO-CEE) desires to accomplish a valuable public purpose of monitoring odor from the East and West Bank Wastewater Treatment Plants in order to understand and improve management of odors from those treatment plants. The roles and responsibilities of the two partners are as follows:

- S&WB will purchase and install the odor monitoring equipment, including if applicable,



## SEWERAGE AND WATER BOARD OF NEW ORLEANS

### Inter-Office Memorandum

meteorological monitoring equipment, at the wastewater treatment plant, provide staff, as availability permits, to assist and/or participate in the study, provide access to the site, sewage system operational data and technical documents, and fund the first year's management and administrative efforts in the amount of \$36,000.

- UNO-CEE Department will provide guidance in the identification, purchase and installation of odor monitoring and, if required, meteorological equipment, training in calibration, maintenance and data collection, analysis and interpretation, provide short-term and long-term odor management strategies, and personnel/graduate student(s) to perform the activities

#### Recommendation

Request to enter into a cooperative endeavor agreement with the Board of Supervisors of the University of Louisiana System acting for the University of New Orleans Department of Civil and Environmental Engineering for monitoring and odor control project.

Please add this matter to the agenda of the Finance Committee Meeting as an action item.

Madeline Goddard, P.E.  
Deputy General Superintendent

cc: Nolan Lambert, Brian Ferrera, Bob Moeinian, Ron Spooner, Felicia Figinsky

**APPROVAL OF AGREEMENT BETWEEN THE UNIVERSITY OF NEW ORLEANS DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING AND THE SEWERAGE AND WATER BOARD OF NEW ORLEANS FOR MONITORING AND ODOR CONTROL PROJECT**

**WHEREAS**, the University of New Orleans Department of Civil & Environmental Engineering (UNO-CEE) desire to accomplish a valuable public purpose of monitoring odor from the East and West Bank Wastewater Treatment Plants in order to understand and improve management of odors from those treatment plants;

**WHEREAS**, UNO-CEE Department is committed to conduct air quality monitoring for one year at the West Bank WWTP followed by a year at the East Bank WWTP, utilizing self-contained continuous air quality monitors, which shall be delivered to the Board at the end of the study; and

**WHEREAS**, UNO-CEE Department is committed to providing management of the first year of monitoring and odor control study for the amount of \$36,000.

**NOW THEREFORE, BE IT RESOLVED** that the Sewerage and Water Board of New Orleans hereby desires to enter into a cooperative endeavor agreement for the benefit of a public purpose with the Board of Supervisors of the University of Louisiana System acting for the University of New Orleans Department of Civil & Environmental Engineering to perform a monitoring and odor control project at the wastewater treatment plants.

**BE IT FURTHER RESOLVED** that the Executive Director is hereby authorized to execute, on behalf of the Sewerage and Water Board of New Orleans, the cooperative endeavor agreement with the Board of Supervisors of the University of Louisiana System acting for the University of New Orleans Department of Civil & Environmental Engineering to perform a monitoring and odor control project at the wastewater treatment plants.

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I, Robert K. Miller, Interim 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 February 19, 2014.

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ROBERT K. MILLER, INTERIM EXECUTIVE DIRECTOR  
SEWERAGE AND WATER BOARD OF NEW ORLEANS



# SEWERAGE AND WATER BOARD OF NEW ORLEANS

## Inter-Office Memorandum

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**Date:** February 2, 2014

**From:** Madeline F. Goddard, P.E.  
Deputy General Superintendent

**To:** Robert K. Miller  
Interim Executive Director

Joseph R. Becker, P.E.  
General Superintendent

**Re:** Agreement between City of New Orleans Department of Parks and Parkway and the Sewerage and Water Board of New Orleans for Green Infrastructure

Attached you will find Resolution R-028-2014 which is being presented for authorization to enter into a cooperative endeavor agreement with the City of New Orleans through the Department of Parks and Parkway for green infrastructure projects.

### Background

The City of New Orleans (City) and the Sewerage and Water Board of New Orleans (S&WB) entered into the Second Modification of the Consent Decree with the U.S. Department of Justice and the Environmental Protection Agency (EPA) on April 24, 2013. One new paragraph included in the modification was to explore and pursue inclusion of green infrastructure at any location within its system. A green infrastructure plan shall also be developed and submitted to EPA by April 24, 2014.

The City and the S&WB are also co-permittees of the Louisiana Pollution Discharge Elimination System Municipal Separate Storm Sewer Systems (MS4). Other co-permittees include Jefferson Parish, Orleans Levee District, Port of New Orleans and State of Louisiana Department of Transportation and Development. The MS4 permit requires, where feasible, the use of green infrastructure or low impact development practices with development. These best management practices would help avoid water quality degradation and reduce flooding potential caused by increased runoff volumes and rates.

### Scope of Work

S&WB is planning to fund development and implementation of green infrastructure projects with the Department of Parks and Parkway (PKW). The roles and responsibilities of the two partners are as follows:

- S&WB will participate in the development of conceptual design, review and approve final plans and specifications, advertise and bid the green infrastructure projects and enter into an agreement with the successful contractor and process all invoices for payments.



## SEWERAGE AND WATER BOARD OF NEW ORLEANS

### Inter-Office Memorandum

- PKW will provide staff to manage the project, including developing of conceptual design, preparation of final plans and specifications, participation in pre-bid conferences, review of bid tabs and recommendation for award, provide construction management and inspection services, review and approve payment invoices and negotiate change orders from award of contract through final acceptance.

S&WB is also planning to implement a community outreach program in which PKW shall participate, when feasible in the public works and community outreach events, provide support and expertise in development of brochures and website.

PKW is establishing an asset GIS database, and has agreed to share data, when available.

#### Recommendation

Request to enter into a cooperative endeavor agreement with the City of New Orleans Department of Parks and Parkway to plan and implement green infrastructure projects.

Please add this matter to the agenda of the Finance Committee Meeting as an action item.

Madeline Goddard, P.E.  
Deputy General Superintendent

cc: Nolan Lambert, Yolanda Grinstead, Ann Wilson, Bradley Klammer



**APPROVAL OF AGREEMENT BETWEEN THE CITY OF NEW ORLEANS, DEPARTMENT OF PARKS  
AND PARKWAY AND THE SEWERAGE AND WATER BOARD OF NEW ORLEANS  
FOR GREEN INFRASTRUCTURE PROJECTS**

**WHEREAS**, on April 24, 2013, the Sewerage and Water Board of New Orleans (S&WB) and the City of New Orleans (City) entered into a Second Modification of the Consent Decree with the United States Department of Environmental Protection Agency and Department of Justice;

**WHEREAS**, the Second Modification required the S&WB explore and pursue implementation of green infrastructure at any location within its system;

**WHEREAS**, the City and the S&WB as co-permittees of the Louisiana Pollution Discharge Elimination System (LPDES) Municipal Separate Storm Sewer Systems (MS4) are, where feasible, use Green Infrastructure/Low Impact Development practices that could help avoid water quality degradation as well as reduce flooding potential caused by increased runoff volumes and rates associated with development;

**WHEREAS**, the City through the Department of Parks and Parkway will plan and implement a component of the new green infrastructure plan.

**WHEREAS**, the new green infrastructure capital construction plan will be funded totally or in part by S&WB, State and/or Federal funds; and

**NOW THEREFORE, BE IT RESOLVED** that the Sewage and Water Board of New Orleans in exchange for the benefit of a public purpose hereby desires to enter into a cooperative endeavor agreement with the City of New Orleans Department of Parks and Parkway for planning and implementing a component of the new green infrastructure plan; and

**BE IT FURTHER RESOLVED** that the Executive Director is hereby authorized to execute, on behalf of the Sewerage and Water Board of New Orleans, the cooperative endeavor agreement with the City of New Orleans Department of Parks and Parkway for these green infrastructure projects.

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I, Robert K. Miller, Interim 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 February 19, 2014.

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ROBERT K. MILLER, INTERIM EXECUTIVE DIRECTOR  
SEWERAGE AND WATER BOARD OF NEW ORLEANS

# Sewerage and Water Board of New Orleans Committee & Regular Board Meeting Schedule

## 2014 Calendar of Events

MONDAY	FEBRUARY 3, 2014	9:00 AM	OPERATIONS COMMITTEE
TUESDAY	FEBRUARY 4, 2014	9:00 AM	FINANCE COMMITTEE
WEDNESDAY	FEBRUARY 5, 2014	9:00 AM	COMMITTEE ON INFRASTRUCTURE
WEDNESDAY	FEBRUARY 5, 2014	10:30 AM	PENSION COMMITTEE
FRIDAY	FEBRUARY 7, 2014	9:00 AM	EXECUTIVE COMMITTEE
WEDNESDAY	FEBRUARY 19, 2014	9:00 AM	REGULAR BOARD
WEDNESDAY	MARCH 5, 2014	9:00 AM	COMMITTEE ON INFRASTRUCTURE
WEDNESDAY	MARCH 5, 2014	10:30 AM	PENSION COMMITTEE
MONDAY	MARCH 10, 2014	9:00 AM	OPERATIONS COMMITTEE
TUESDAY	MARCH 11, 2014	9:00 AM	FINANCE COMMITTEE
FRIDAY	MARCH 14, 2014	9:00 AM	EXECUTIVE COMMITTEE
WEDNESDAY	MARCH 19, 2014	9:00 AM	REGULAR BOARD
WEDNESDAY	APRIL 2, 2014	9:00 AM	COMMITTEE ON INFRASTRUCTURE
WEDNESDAY	APRIL 2, 2014	10:30 AM	PENSION COMMITTEE
MONDAY	APRIL 7, 2014	9:00 AM	OPERATIONS COMMITTEE
TUESDAY	APRIL 8, 2014	9:00 AM	FINANCE COMMITTEE
FRIDAY	APRIL 11, 2014	9:00 AM	EXECUTIVE COMMITTEE
WEDNESDAY	APRIL 16, 2014	9:00 AM	REGULAR BOARD
MONDAY	MAY 5, 2014	9:00 AM	OPERATIONS COMMITTEE
TUESDAY	MAY 6, 2014	9:00 AM	FINANCE COMMITTEE
WEDNESDAY	MAY 7, 2014	9:00 AM	COMMITTEE ON INFRASTRUCTURE
WEDNESDAY	MAY 7, 2014	10:30 AM	PENSION COMMITTEE
FRIDAY	MAY 9, 2014	9:00 AM	EXECUTIVE COMMITTEE
WEDNESDAY	MAY 21, 2014	9:00 AM	REGULAR BOARD
MONDAY	JUNE 2, 2014	9:00 AM	OPERATIONS COMMITTEE
TUESDAY	JUNE 3, 2014	9:00 AM	FINANCE COMMITTEE
WEDNESDAY	JUNE 4, 2014	9:00 AM	COMMITTEE ON INFRASTRUCTURE
WEDNESDAY	JUNE 4, 2014	10:30 AM	PENSION COMMITTEE
FRIDAY	JUNE 6, 2014	9:00 AM	EXECUTIVE COMMITTEE
WEDNESDAY	JUNE 18, 2014	9:00 AM	REGULAR BOARD
WEDNESDAY	JULY 2, 2014	9:00 AM	COMMITTEE ON INFRASTRUCTURE
WEDNESDAY	JULY 2, 2014	10:30 AM	PENSION COMMITTEE
MONDAY	JULY 7, 2014	9:00 AM	OPERATIONS COMMITTEE
TUESDAY	JULY 8, 2014	9:00 AM	FINANCE COMMITTEE
FRIDAY	JULY 11, 2014	9:00 AM	EXECUTIVE COMMITTEE
WEDNESDAY	JULY 16, 2014	9:00 AM	REGULAR BOARD

**NOTE: RECOMMENDATIONS:**

JANUARY – RESCHEDULED TO SECOND WEEK DUE TO NEW YEARS' HOLIDAY IN FIRST WEEK

MARCH – MOVED TO SECOND WEEK DUE TO HOW THE DAYS FALL DURING FIRST WEEK (**MARDI GRAS 3/4/14**)

APRIL - MOVED TO SECOND WEEK DUE TO HOW THE DAYS FALL DURING FIRST WEEK

JULY - MOVED TO SECOND WEEK DUE TO HOW THE DAYS FALL DURING FIRST WEEK