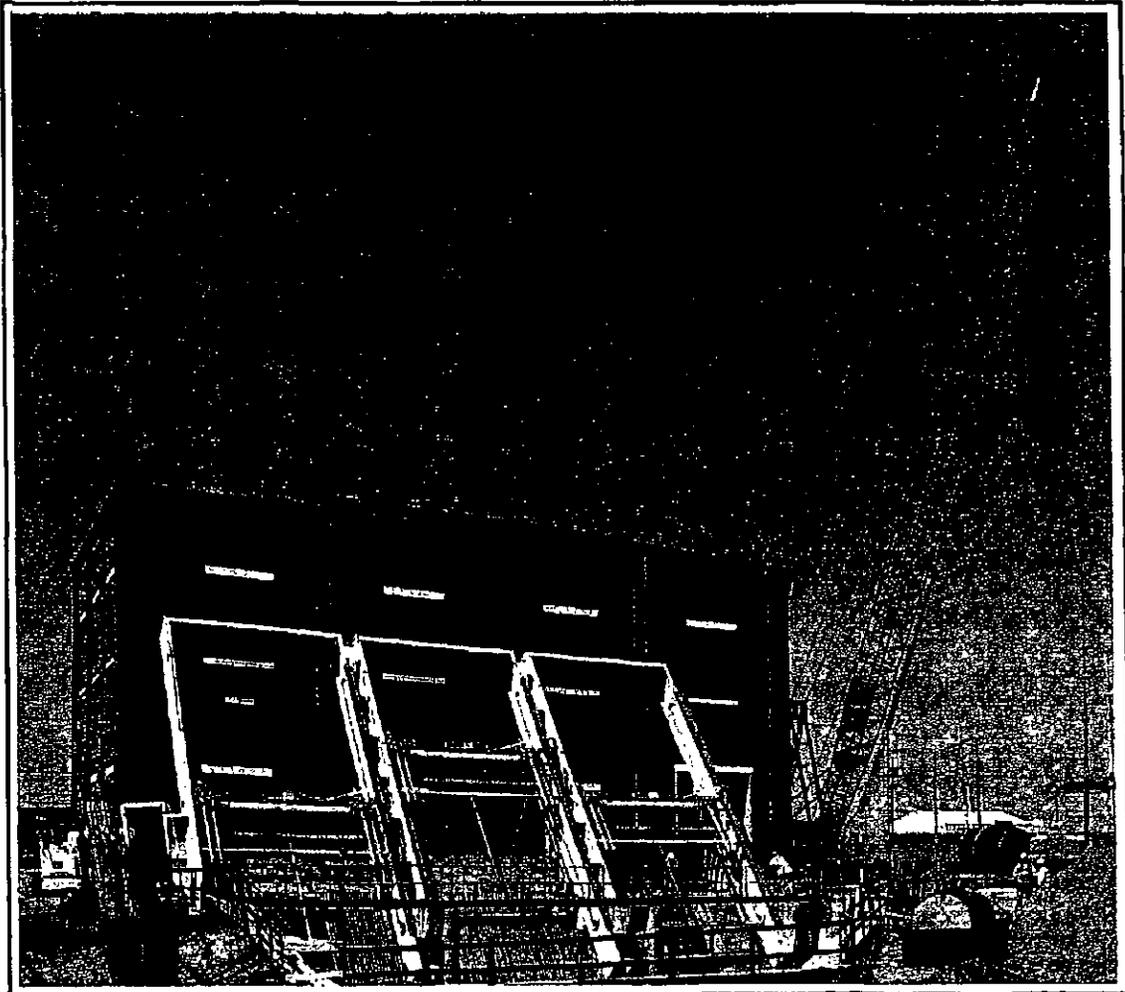




# Sewerage and Water Board OF NEW ORLEANS, LOUISIANA



Under provisions of state law, this report is a public document. A copy of the report has been submitted to the entity and other appropriate public officials. The report is available for public inspection at the Baton Rouge office of the Legislative Auditor and, where appropriate, at the office of the parish clerk of court.

## COMPREHENSIVE ANNUAL FINANCIAL REPORT FOR THE YEAR ENDED DECEMBER 31, 2009

Release Date 9/22/10

#### **About The Cover:**

The Dwyer Road Drainage Pumping Station project consists of building a new station with a capacity of 1,050 cubic feet per second (cfs). It is located at the intersection of Dwyer Road and Jourdan Road and includes a new building to house three pumps and all the necessary mechanical and electrical components. Hurricane Katrina disrupted the project's progress, but construction has resumed and it is scheduled for completion in the summer of 2010 at a cost of \$19.3 million with 75 per cent Federal funding and 25 per cent local funds. Other associated projects are a new \$58.8 million concrete box culvert beneath Dwyer Road to be completed in 2009 and an Outfall Canal, which was completed in 2004. The station will improve flood protection for a large portion of eastern New Orleans, including the Academy Park, Pines Village and Kenilworth areas.

# SEWERAGE AND WATER BOARD OF NEW ORLEANS

New Orleans, Louisiana

Comprehensive Annual Financial Report  
For The Year Ended  
December 31, 2009

Prepared by:  
Finance Administration  
Ethel H. Williams  
Utility Financial Administrator

## MISSION STATEMENT

To be one of the best and most respected suppliers of sewer, water, and drainage service in the south-central United States by providing quality, reliable, and cost effective service to our Customers while maintaining fair and ethical treatment of our well-trained and highly motivated employees.

## OUR VALUE

Open, honest, communication  
Trust and respect for each other  
Offering and encouraging education and opportunity to employees  
Fostering enthusiasm among employees through example of the  
managers/supervisors  
Providing direction and planning and encouraging interdepartment  
teamwork  
Assuring reliability in providing services to customers

## KEY RESULT AREAS

Customer Satisfaction  
Cost Effectiveness  
Employee Satisfaction  
Capabilities Improvement through Training

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Comprehensive Annual Financial Report

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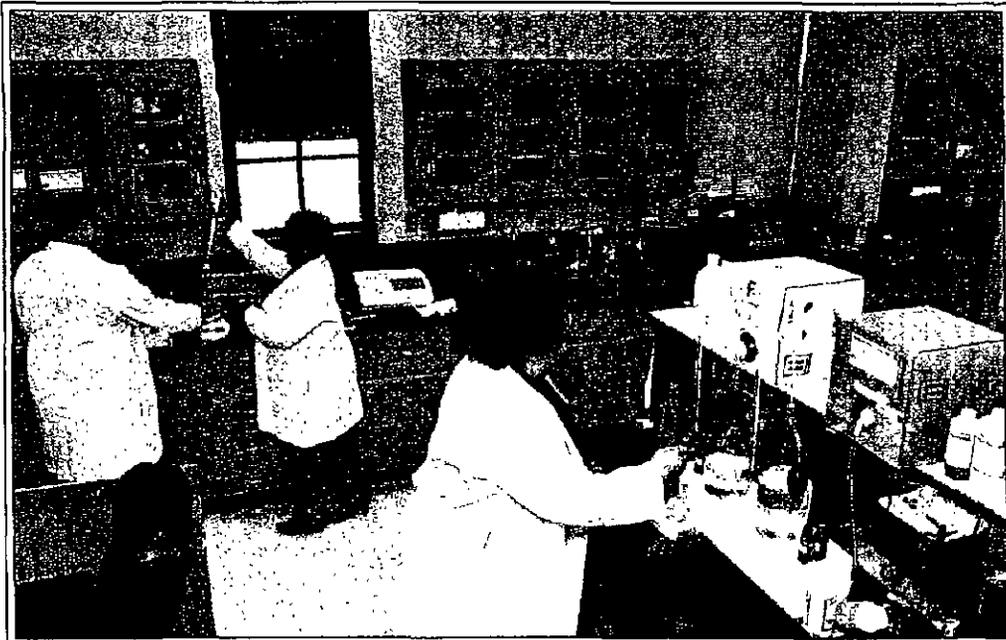
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The Sewerage & Water Board of New Orleans provides crucial sewer, water and drainage services to the East Bank of Orleans Parish and Algiers on the West Bank. This photo, taken from the Algiers Water Purification Plant, shows the skyline of the Central Business District and Downtown New Orleans. The scene is a reminder that when the City's population grows for major business, sporting and entertainment events and large conventions and meetings, the Board is able to provide services to thousands of visitors and still provide quality service to its regular residential and commercial customers.



The Board's Water Quality Laboratory is considered one of the best in the nation, capable of detecting more than 100,000 compounds, which could be found in the City's only source of raw water--the Mississippi River. Through the expertise, hard work and dedication of the entire Water Department, New Orleans' drinking water has met all federal and state drinking water standards since the Environmental Protection Agency established regulations in the 1980s. A "Quality Water" report is mailed to all customers each year.

# INTRODUCTORY SECTION

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

# Sewerage & Water Board OF NEW ORLEANS

MITCHELL J. LANDRIEU, President  
TOMMIE A. VASSEL, President Pro-Tem

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NEW ORLEANS, LA 70165 • 504-529-2837 OR 52W-ATER  
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June 30, 2010

THE HONORABLE PRESIDENT AND MEMBERS OF THE  
SEWERAGE AND WATER BOARD OF NEW ORLEANS

We are pleased to present the Comprehensive Annual Financial Report of the Sewerage and Water Board of New Orleans for the year ended December 31, 2009. Responsibility for both the accuracy of the data and the completeness and fairness of the presentation, including all disclosures, rests solely with the Sewerage and Water Board. To the best of our knowledge and belief, the accompanying data, as presented, is accurate in all material aspects and is presented in a manner designed to fairly present the financial position, results of operations, and cash flows of the Board's Enterprise and Pension Trust Funds. All disclosures necessary to enable the reader to gain an understanding of the Sewerage and Water Board's financial activities have been included.

## COMPREHENSIVE ANNUAL FINANCIAL REPORT SECTIONS

The Comprehensive Annual Financial Report is presented in four (4) major sections: Introductory, Financial, Statistical and Supplemental. The Introductory Section includes the transmittal letter and listings of the officers, members and committees of the Board of Directors. This section also includes the Board's organizational chart and a reproduction of the 2008 Certificate of Achievement for Excellence in Financial Reporting awarded by the Government Finance Officers Association. The Financial Section includes the independent auditors' report, along with the basic financial statements, required supplementary information, accompanying notes and other supplementary information. The individual fund statements for the Enterprise and Pension Trust Funds are included. Required supplementary includes management's discussion and analysis and a schedule of pension funding progress and contributions. The Statistical Section includes selected financial and demographic information, generally in a multi-year presentation. Additional information relative to the Sewerage and Water Board's operations is included in a Supplemental Section.

The independent audit of the financial statements of the Sewerage and Water Board was part of a broader, federally mandated "Single Audit" designed to meet the special needs of federal grantor agencies. The standards governing single Audit engagements require the independent auditor to report not only on the fair presentation of the financial statements, but also on the audited government's internal controls and compliance with legal requirements, with special emphasis on internal controls and legal requirements involving the administration of federal awards. These reports are available in the Sewerage and Water Board's separately issued Single Audit Report.

The Sewerage and Water Board meets the criteria for classification as an "other stand-alone government" as described in Governmental Accounting Standards Board Statement No. 14. The reporting entity includes the Enterprise Fund and the Pension Trust Fund. The Enterprise Fund is composed of three (3) independent systems: Water, Sewerage and Drainage. The Board adopted Governmental Accounting Standards Board Statement No. 34 – Basic Financial Statements – Management's Discussion and Analysis – for State and Local Government in 2002. The Board has adopted Governmental Accounting Standards Board Statement No. 45 – Accounting and Financial Reporting by Employers for Post-employment Benefits Other Than Pensions in 2007.

I-1

GAAP require that management provide a narrative introduction, overview, and analysis to accompany the basic financial statements in the form of Management's Discussion and Analysis (MD&A). This letter of transmittal is designed to complement MD&A and should be read in conjunction with it. The Sewerage and Water Board's MD&A can be found immediately following the report of the independent auditors.

## PROFILE OF THE SEWERAGE AND WATER BOARD OF NEW ORLEANS

Sewerage and Water Board of New Orleans is a political subdivision created in 1899 by Louisiana State Statutes. The Sewerage and Water Board was established as a "special board" operating independently of city government. The Mayor of New Orleans serves as the President of the Board of Directors which is composed of three (3) representatives of the City Council, two (2) representatives of the Board of Liquidation, City Debt and seven (7) appointees as designated by the State statutes. The Board is charged with construction, operation, and maintenance of Water, Sewerage and Drainage Systems for the City of New Orleans. By agreement, approximately 2,550 acres of adjoining Jefferson Parish is served by the Board's drainage facilities for which Jefferson Parish pays its pro rata share of expenses. In addition, the Board provides sewerage services to Jefferson Parish businesses, the majority of which are restaurants located in the West End neighborhood near the Lakefront. Additionally, the Board provides water and sewerage services to the Plaquemines Parish Industrial Park.

## ECONOMIC CONDITION AND OUTLOOK

According to the September 2009 Metropolitan Report: Economic Indicators for the New Orleans Area prepared by the Division of Business and Economic Research, University of New Orleans, 1,800 jobs (or 0.3%) were lost from New Orleans area employment in the last year. This follows a year when 14,800 jobs were added. Though this loss is small, it may be taken as a sign that the national economic recession has reached New Orleans. The fact that the loss is so small compared to the national loss of 4.2% of all jobs during the same time period points to a combination of recovery growth still going on in some sectors while recessionary factors force contraction in others.

The current total number of jobs in the New Orleans area is 519,500. This means that 93,700 jobs have been recovered and retained in the New Orleans area since the lowest point in the autumn of 2005. According to the report, 85,000 jobs need to be recovered before old pre-Katrina levels would be reached. Job growth is anticipated to be sluggish as the national recession gradually lifts with some support from remaining recovery spending.

The dollar value of contracts let for roads and levees as well as commercial buildings are still above twice their pre-Katrina level, at 193% and 231% respectively; however, residential construction has slowed and now shows up as one of the worst performing sectors, currently at about 67% of old levels.

Tourism has been one of the slowest segments of the local economy to recover. Though there has been a general upward trend, some of the tourism indicators are some of the most damaged 4 years later. Accommodation employment at 74% recovered remains the most damaged employment sector. Airport capacity in seats is only at 69%. It was higher, hitting 80% last summer but was a victim of national trends which included a regional airline ExpressJet going out of business and a national push among airlines to fly with less empty seats.

The port is showing a growth this year to reach 119% of export tonnage; however, imports of steel and other goods, import tonnage remains at only 77% old levels. Airport cargo tonnage remains one of the most heavily damaged indicators at only 64% of old levels.

In Orleans Parish, earnings and taxable sales are trending upwards; flirting with 100% of old levels but the number of jobs and people are just approaching 70%. Public school enrollment is barely 50%, which hints at major shifts in demographic in the City of New Orleans that proportionally has fewer children than it used to have.

## WATER SYSTEM MAJOR INITIATIVES

### Carrollton Water Purification Plant:

Design for a new disinfection storage and feed facility is completed. This project, which replaces chlorine delivered in rail cars with sodium hypochlorite, includes bulk storage and pumping facilities for hypochlorite, the addition of a second disinfectant addition point, and some water plant SCADA system improvements. This project is being financed through the Department of Health and Hospital State Revolving Loan Program and ARRA stimulus funding will result in \$1,000,000 of principal forgiveness for the S&WB. When complete, the Carrollton Plant will no longer house 55 ton rail cars of chlorine, significantly reducing the risk of exposure to the plant staff and the surrounding community and environment to a toxic chlorine release.

Overhaul of flocculation-sedimentation basin G3 is near completion. A new complete flocculation drive system was installed. Also, improvements to the mono-rake system will increase the efficiency of sludge removal from the sedimentation basin.

Improvements to the high lift flow measuring system are ongoing. Degassing valves have been installed on some of the units, which are now providing reliable flow measurement. Outstanding repairs include the damaged/plugged venturi plumbing and repair or replacement of the pump infrastructure.

A second sludge line to the river is currently in the design phase. This will add redundancy and flexibility to the operations.

The Board is performing in-house repairs to the L4 flocculation equipment and mono-rake system. The Welding and Fabrication Shop and the Machine Shop anticipate the work to be completed by the second quarter of 2010.

### Algiers Water Purification Plant

The installation of a sodium hypochlorite generation system is complete and the equipment has been in service since April 2009. This system is currently supporting the daily normal plant needs for disinfectant in the potable water treatment process. The use of ton cylinders of chlorine has been discontinued at this facility significantly reducing the risk of exposure to the plant staff and the surrounding community and environment to a toxic chlorine release.

The ferric sulfate storage and feed equipment was moved from the old river station to a temporary location within the Algiers Plant. A new bulk storage containment structure has been built within the plant. Efforts are currently underway to begin moving part of the storage and feed equipment into this new facility.

### Water Pumping & Power

The total capacity of the plant is 41 MW. Turbine 4 (20 MW) was rebuilt and is available for emergency use at an estimated reduced capacity of 12 MW. Design is underway to replace the steam path, rotor and condenser, install 8 transmitters, update the governor control system and replace the turbine with 25Hz motor on the condensate pump. The project is scheduled to bid in mid-2010.

A new Boiler No. 2 was installed November 2009. The repair of turbine 4 with the new boiler shall return the power plant to the original potential capacity of 61 MW.

The local power company is continuing design of a new high-pressure natural gas line into the power plant. The new line will eliminate the need for the gas compressors located at the power plant. The project is scheduled to be constructed by November 2010.

The New River Intake Station is operational and has sufficient capacity to supply the raw water requirements for the Carrollton Water Purification Plant. The Oak River Intake Station is currently out of service for repairs to the pumps, switchgear and intake pipes.

Specifically for the New River Intake Station, all three raw water pumps have been returned to service. One pump has been refurbished with new pump bearings, line shaft bearing, couplings etc. whereas the other two pumps have yet to be refurbished. One of the three pump motors has been refurbished. FEMA is funding the repair or replacement of the suction, discharge and check valves.

The three high lift pump stations are operational. The Claiborne High Lift Pump Station and the DeLaval steam driven turbine located at the power plant are of sufficient capacity to meet the finished water requirements. The second DeLaval steam driven distribution pumps is scheduled for reconditioning. FEMA is funding the repair of both pumps. The Panola Street High Lift Pump Station serves as a backup in the event of an emergency.

The Corps of Engineers initiated construction of a new 15 MW, 60-Hertz gas turbine generator in November 2009. The \$31.2 M project shall supplement the current power available from Entergy to serve the water treatment plant and the raw water intake stations.

The Corps of Engineers has several projects in design for the power plant including construction of an I-wall around the power plant and other critical water treatment plant assets to protect against flooding, storm proofing the buildings contained in the power plant, the Oak River and New River Intake Stations, and the building housing the frequency changer.

#### Water Distribution System:

The leak detection program continues to utilize Permalog Leak Detectors to locate leaks in the distribution network for repairs. In 2009, the Permalogs were installed in New Orleans East. Some still remain in the original piloted area in the Central Business District and succeeding area of the Lower Ninth Ward. Over 2400 detectors are currently located in water distribution system.

The leak detection program also utilized the Smartball to investigate 15 miles of water mains. The device is effective but very labor intensive in its requirement of a shutdown to insert the tool.

Over 11,000 service requests were responded to in 2009. These included investigations of 382 water leaks, inspection of 715 water valves, repairs to 8,951 water services lines, 1,989 water mains, 605 valves and 47 water manholes. Additionally, staff removed 9,517 water meters and installed 727 new water meters. Preventative maintenance of fire hydrants is continuing in coordination with the local fire department. Of the 16,500 fire hydrants mapped, the Board performed preventative maintenance for 2,021.

The Board is continuing to coordinate with the City of New Orleans Department of Public Works (DPW) in repair/replacement of water lines associated with the Submerged Roads Program.

## SEWER SYSTEM MAJOR INITIATIVES

### East Bank Wastewater Treatment Plant:

All buildings have been repaired including a new control room equipped with a state of the art SCADA system for oversight and control of plant processes. The administration building containing the laboratory was destroyed by floodwaters and demolished. The laboratory analyses are being performed off site, while the administrative offices are being housed in office trailers. Currently a new administration building with laboratory is at the 30% level of design.

With the exception of the backup multiple hearth incinerator and the cryogenic oxygen production facility, all pre-disaster equipment has been repaired and is operational including all eight final clarifiers. The oxygen reactors have been restored to full functionality providing essential secondary treatment.

At present, a Vacuum Swing Adsorption (VSA) oxygen production plant capable of producing 70 tons of oxygen at greater than 93% purity has been purchased and is in the fabrication phase of the project. Shipment and delivery is expected to begin in October 2010 with an estimated completion and start up of April 2011. Oxygen is currently trucked in at significant cost and the new oxygen production facility will significantly reduce expenses. Currently the oxygen reactors require a consumption of approximately 30-tons per day.

FEMA has reviewed and approved a sludge dryer system as an alternative method of sludge disposal and backup to the Fluid Bed Incinerator (FBI). This sludge processing equipment is in the preliminary and pre-bid phase of the project. This initiative involves the procurement and installation of a ten (10) dry ton per day sludge dryer to blend into the existing sludge stream prior to incineration. The resulting sludge quality will be greater than 33% Total Solids (TS) allowing for an autogenous burn, which will require fuel only for start ups, greatly reducing diesel and natural gas expenses. The project shall be advertised for design in 2010.

Two new gravity thickener and belt filter press combination units have been installed in addition to the two existing belt presses. The new units have increased the sludge cake dryness from ~22% TS to slightly greater than 24% TS. The increased dryness has led to significant reductions in diesel and natural gas expenses to incinerate the sludge.

At present, the influent TSS and BOD concentration are approximately 130 milligrams per liter (mg/L) and 95 mg/L, respectively. This is significantly lower than normal concentrations, which is probably the result of a significant increase in the amount of inflow infiltration in the collection system following the hurricane requiring treatment at the plant. Effluent quality has been good over the year, with zero permit violations or process overflows in 2009.

A new 4-MW diesel generator was purchased in August 2009 to provide backup power for the wastewater treatment plant. Design of the generator building is underway.

Construction of the building and installation of the generator is scheduled to be bid in early 2010.

Biodiesel is being investigated as a green energy alternative to diesel fuel currently utilized at the plant. A pilot is proposed to use biodiesel and track the expected cost savings relative to energy and operations and maintenance.

The Board was successful in appealing FEMA to fund the mitigation effort to the berm around the wastewater treatment plant. Design of an earthen/structural berm is underway. Construction is tentatively scheduled to begin in late 2010.

#### West Bank Wastewater Treatment Plant:

A new in-plant drainage pumping station has been installed, greatly improving the plant drainage capacity. All plant runoff is collected in this system and is returned to the treatment process and ultimately pumped to the Mississippi River.

A new gaseous chlorine handling system was installed including a new chlorinator, automatic shutoffs, leak detectors, and alarms.

Major overhauls were completed to the effluent pumping system, including replacement of the rotating units for the two large 12-MGD pumps.

A new solids treatment building and belt filter press is currently at 65% level of design for the plant.

A new sodium hypochlorite system including tanks and pumps is at 65% level of design.

A new chemical (BioCat) is used instead of hydrogen peroxide for odor control in the collection system. A significant benefit has been realized in the effluent quality of the trickling filter plant since the new chemical does not adversely impact the biofilm in the trickling filter, although the chemical cost is approximately 20% higher than using hydrogen peroxide.

#### Sewage Pumping and Lift Stations:

All the sewer pump stations are operational; however some facilities are continuing to utilize temporary pumps. The majority of the stations require rehabilitation, i.e., electrical repair, bearing replacement, and flood proofing. Approximately 40% of the electrical work has been completed. Bearing repair work has not been initiated, and the final phase of flood proofing has not started to date.

FEMA is funding repairs to the sewer pump stations to pre-Katrina conditions. Designs for the repair and/or replacement to 62 stations are underway. Construction contracts shall be awarded in the first quarter of 2010 and construction completed by the end of the 2010 or early 2011 for the majority of the stations.

Construction of the replacement of Michoud Sewer Pump Station was completed. The facility was commissioned in November 2009.

The Board is proposing FEMA fund the installation of transfer switches at the sewage pumping stations. The switch will provide the ability for the pumps to be powered by a generator in the event of electrical power loss.

Hazard Mitigation Funds have been provided to elevate eight sewer pump stations and ensure continuous operations during flooding events. Preliminary design reports shall be submitted in early 2010 for review and comment.

#### Sewer Collection System:

Sewer rehabilitation projects were completed in the Mid-City and Lower Ninth Ward areas.

Construction projects for replacement of sewer mains from manhole to manhole for various sites throughout Orleans Parish were awarded. Design projects are continuing for multiple point repair and replacement of sanitary sewers in the Carrollton, Lower Ninth Ward and Mid-City areas. Construction for these projects shall be completed by 2015.

The Board is continuing to coordinate with DOTD and DPW in repair of sewer lines associated with the Submerged Roads Program

Preventative maintenance of the collection system included inspection of 896,750 feet of sewer line utilizing closed circuit television and smoke testing, cleaning of 1,019,777 ft. of the sewer system, inspection of 7,415 sewer manholes and repairs to 3,089 sewer breaks. Thirty-three air release valves were inspected and maintained and 168 force main isolation valves were inspected and exercised. Alignment inspection of 102 miles of the force main was also accomplished.

Cathodic protection survey is performed annually on the 22 systems in place in the collection system. Staff is seeking FEMA support in repairing the systems damaged as a result of Katrina.

## DRAINAGE SYSTEM MAJOR INITIATIVES

### Pump Stations:

All 24 drainage and 12 underpass pumping stations have been maintained and are operational. Most motors have been rewound and are in service within the drainage stations.

The Board has been able to perform in-house fabrication of stop logs, repair the vertical pumps and two sluice gates that have been out of service since Katrina at Drainage Pumping Station (DPS) 19, repair "D" pump impeller by welding 5 out of 8 blades at DPS 3 and repair failed #1 screen cleaner at DPS 6.

The Corps has committed \$204 M for storm-proofing projects at potentially 22 of the drainage pump stations. Design is underway for procurement and installation of two 200 cfs pumps a generator at DBS 5, a new building to house a generator at DPS 20, and electrical, mechanical and structural upgrades to the other stations.

The \$58.8 M expansion of Dwyer Road Pumping Station from 125 cfs to 1000 cfs is still in construction. The project is 100% federally funded and scheduled to be completed in the spring of 2010.

The replacement of the Elaine Pumping Station was awarded in July 2009. The \$3.2 M Corps project is scheduled to be completed in 2011.

The Board has been working with the Corps and the Coastal Restoration and Recovery Authority to review the amendment to the project partnership agreement and the request for proposal for the design build of three new permanent pump stations at 17<sup>th</sup> Street, Orleans and London Canal at Lake Pontchartrain. The \$804 M project would provide both frontal protection and allow for easier and more efficient pumping of water to the Lake.

### Drainage System:

Dwyer Road Intake Canal is currently under construction. The \$58.8 M project is 100% federally funded and consists of 6,800 linear feet of new concrete boxed culvert into the Dwyer Road Pumping Station.

Florida Avenue Canal Phase I proposals for construction were received by the Corps November 2009. The \$49.2 M project is 100% federally funded and consists of an open concrete canal within the Florida Avenue right of way between

Mazant Street and Drainage Pump Station # 19. Phase I is expected to be awarded in January 2010 for completion by late 2011. Florida Avenue Canal Phases II and III from Peoples Avenue to Mazant Street are currently under design.

Other Southeast Louisiana Urban Flood Control Program (SELA) projects under design include Napoleon Avenue Canal Phases II and III from South Claiborne Avenue to Carondelet Street, Claiborne Avenue Canal Phases I and II from Monticello Street to Lowerline Street, Jefferson Avenue Canal Phase I and II and Louisiana Avenue Canal, both from South Claiborne Avenue to Constance Street.

Louisiana DODT awarded in December 2009 the installation of drainage pipe, asphalt overlay and related work on General Degaulle Drive at its intersection with Wall Boulevard, Life Center Drive, Seine Court, Westbend Parkway, Behrman Place and MacArthur Boulevard. The design, funded by the Board will provide for improved drainage and flood control in the six locations. The \$21 M construction (partially funded by the Board) is scheduled to be complete by mid-2012.

A five-year Capital Program budget of \$2,924,297,000 was approved by Sewerage and Water Board in December 2009. The approved amount for Drainage projects was \$2,259,097,000, of that amount; \$1,666,273,000 is participation by others.

## FINANCIAL INFORMATION

Management of the Sewerage and Water Board is responsible for designing and maintaining an internal control structure sufficient to safeguard the Board's assets against loss, theft or misuse and to ensure the reliability of financial records for preparing financial statements in conformity with generally accepted accounting principles. The internal control structure is designed to provide reasonable, but not absolute assurance that these goals are met. The concept of reasonable assurance recognizes that: (1) the cost of internal controls should not exceed the benefits expected to be derived and (2) the valuation of costs and benefits require the exercise of judgment by management.

The Enterprise Fund's water and sewerage systems are financed by user fees. The unique characteristics of the services provided by the Drainage System of New Orleans requires the use of Enterprise Fund accounting in order to obtain a meaningful measure of the cost of providing the services and capital maintenance. On March 21, 2007, the Board approved a series of five annual water rate increases beginning with the first increase on November 1, 2007 followed by four additional increases to be implemented on July 1 of each year, 2008 through 2011. The New Orleans City Council approved the annual water rate increases on October 4, 2007. Revenues from the three- (3) mill, six- (6) mill, and nine- (9) mill ad valorem taxes, which are restricted exclusively for drainage services, finance the Drainage System. These ad valorem taxes are the operating revenues of the drainage system.

### Budgetary Control:

The Sewerage and Water Board maintains an internal budgetary control through the preparation and monitoring of an annual operating and capital budget for the Water, Sewerage, and Drainage funds. Monthly budget reports are provided to department level managers to assist them in their fiscal responsibilities.

### General Operations:

The change in net assets for the year ended December 31, 2009 was an increase of approximately \$68.3 million, as opposed to a decrease in net assets of approximately \$50.1 million for the year ended December 31, 2008. The Board's total operating revenues increased by 11.1% to approximately \$121.1 million, and total operating expenses decreased 3.4% to approximately \$165.4 million. The decrease in power and pumping expenses in 2009 of approximately \$1.2 million or 8.7% is primarily due to a decrease in cost of natural gas. The increase in payroll related expenses in 2009 of \$3.5 million or 11.2% is primarily due to salary increases in accordance with City of New Orleans Civil Service and an increased number of employees.

### Debt Administration:

The Board of Liquidation, City Debt has responsibility for the administration of the Board's debt. Drainage debt services payments are supported by ad valorem tax collections, while user fees are used to provide debt services for the Water and Sewerage System bonds. The Board's Sewerage and Water and Drainage bonds outstanding as of December 31, 2009 totaled \$242,330,000.

Other Information:

State Statutes and covenants governing outstanding bond issues require an annual audit of the Board's financial records by independent certified public accountants. The accounting firm of Postlethwaite & Netterville was selected by the Board to perform this audit through a competitive bid process. The independent auditors' report on the basic financial statements is included in the Financial Section of the report. The Government Finance Officers Association of the United States and Canada (GFOA) awarded a Certificate of Achievement for Excellence in Financial Reporting to Sewerage and Water Board of New Orleans for its Comprehensive Annual Financial Report for the fiscal year ended December 31, 2008. The Certificate of Achievement is a prestigious national award recognizing conformance with the highest standards for preparation of state and local government financial reports.

In order to be awarded a Certificate of Achievement, a government unit must publish an easily readable and efficiently organized comprehensive annual financial report whose contents conform to program standards. Such CAFR must satisfy both generally accepted accounting principles and applicable legal requirements.

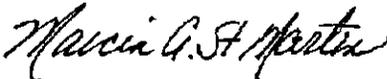
A Certificate of Achievement is valid for a period of one (1) year only. The Sewerage and Water Board of New Orleans has received a Certificate of Achievement for twenty-six (26) years. We believe our current report continues to conform to the Certification of Achievement Program requirements and we are submitting it to GFOA.

**ACKNOWLEDGMENTS**

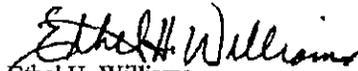
The Comprehensive Annual Financial Report was prepared by the dedicated staff of the Director's Office, particularly the Finance Administration and Printing Department. Additionally, we realize that the cooperation of each Department of the Sewerage & Water Board of New Orleans is essential, and we appreciate the willingness to work together toward this endeavor.

We also wish to thank the members of the Board for their interest and support in our efforts to achieve greater fiscal efficiency and accountability.

Yours very truly,



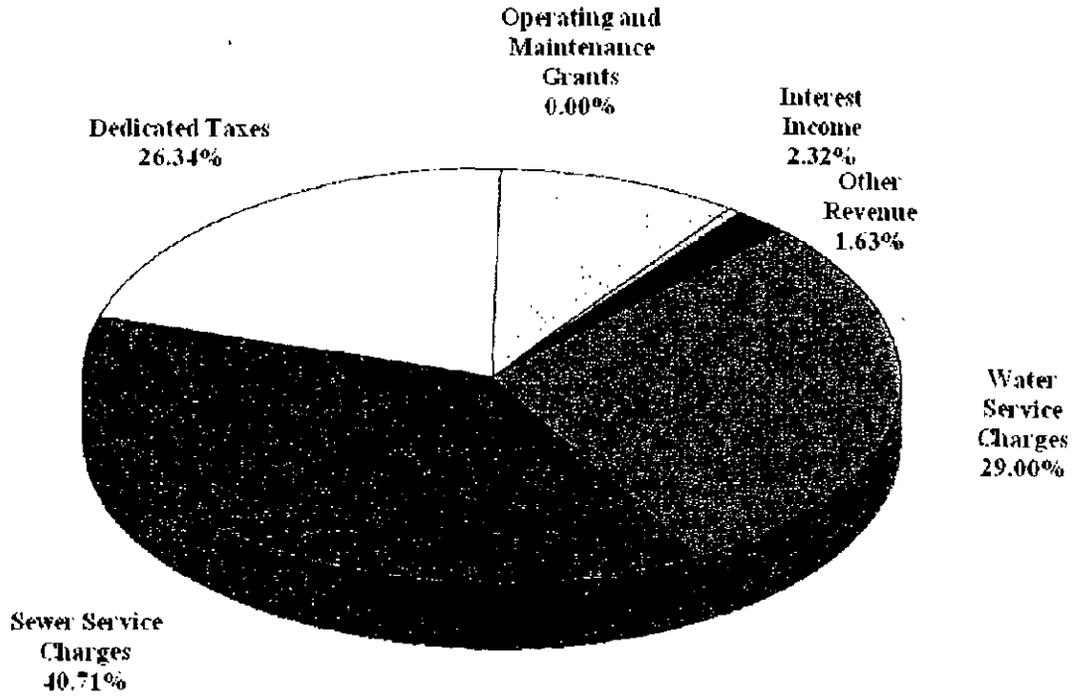
Marcia A. St. Martin  
Executive Director



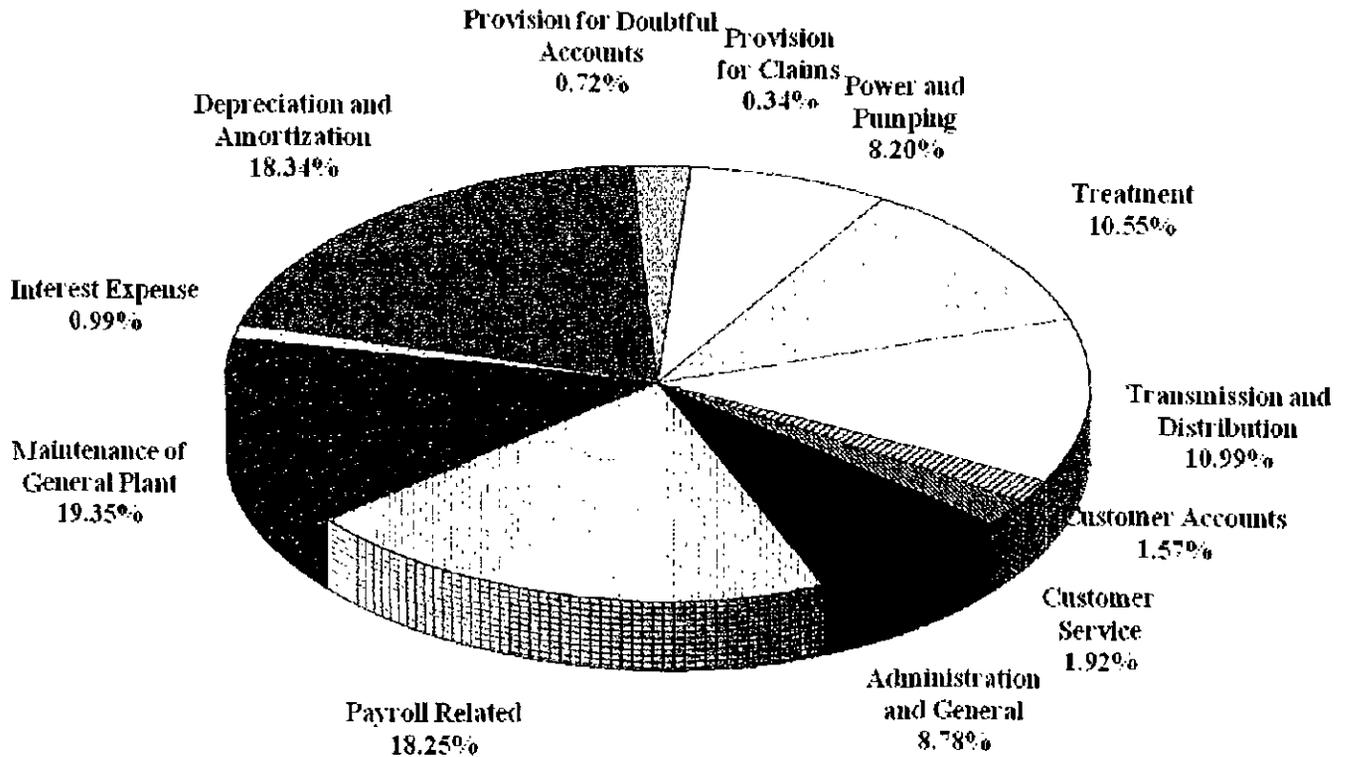
Ethel H. Williams  
Finance Administrator

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# 2009 Revenues



# 2009 Expenses



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# Certificate of Achievement for Excellence in Financial Reporting

Presented to

Sewerage and Water Board  
of New Orleans, Louisiana

For its Comprehensive Annual  
Financial Report  
for the Fiscal Year Ended  
December 31, 2008

A Certificate of Achievement for Excellence in Financial Reporting is presented by the Government Finance Officers Association of the United States and Canada to government units and public employee retirement systems whose comprehensive annual financial reports (CAFRs) achieve the highest standards in government accounting and financial reporting.



A large, stylized handwritten signature in black ink, appearing to read "J.R. Emer".

President

A handwritten signature in black ink, appearing to read "Jeffrey R. Emer".

Executive Director

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**OFFICERS**  
**of the**  
**SEWERAGE AND WATER BOARD**  
**OF NEW ORLEANS**

---

**December 31, 2009**

C. RAY NAGIN .....President  
Mayor, City of New Orleans

TOMMIE A. VASSEL..... President Pro Tem

MARCIA A. ST. MARTIN ..... Executive Director

ROBERT MILLER..... Deputy Director

JOSEPH BECKER..... General Superintendent

MADELINE F. GODDARD .....Deputy General Superintendent

GERARD A. VICTOR..... Special Counsel

MEMBERS OF  
SEWERAGE AND WATER BOARD OF NEW ORLEANS

December 31, 2009

---

C. RAY NAGIN ..... Mayor

ALAN C. ARNOLD.....Member- Board of Liquidation, City Debt

JACQUELYN CLARKSON.....Councilwoman-At-Large

BENJAMIN L. EDWARDS, SR.....RESIGNED...11/21/09..... At-Large

ARNIE FIELKOW.....Councilman-At-Large

KAREN HENLEY-RAYMOND.....Councilwoman-At-Large District D

FLORENCE W. SCHORNSTEIN..... Councilwoman District B

TOMMIE A. VASSEL.....Councilmanic District C

CYNTHIA WILLARD-LEWIS..... Councilmanic District E

DR. GERALD WILLIAMS..... Member-Board of Liquidation-City Debt

LOYCE P. WRIGHT..... At-Large Appointment

COMMITTEES  
OF THE  
SEWERAGE AND WATER BOARD  
OF  
NEW ORLEANS  
December 31, 2009

EXECUTIVE COMMITTEE

TOMMIE A. VASSEL - Chairperson

LOYCE P. WRIGHT

FLORENCE W. SCHORNSTEIN

FINANCE AND OPERATIONS COMMITTEE

LOYCE P. WRIGHT - Chairperson

FLORENCE W. SCHORNSTEIN  
JACQUELYN CLARKSON

KAREN HENLEY-RAYMOND  
DR. GERALD WILLIAMS

INFRASTRUCTURE COMMITTEE

FLORENCE W. SCHORNSTIEN - Chairperson

KAREN HENLEY-RAYMOND  
BENJAMIN EDWARDS resigned 11/21/09

CYNTHIA WILLARD-LEWIS

PLUMBING COMMITTEE

ARNIE FIELKOW-Chairperson

CYNTHIA WILLARD-LEWIS  
ALAN C. ARNOLD

BENJAMIN EDWARDS

PENSION COMMITTEE

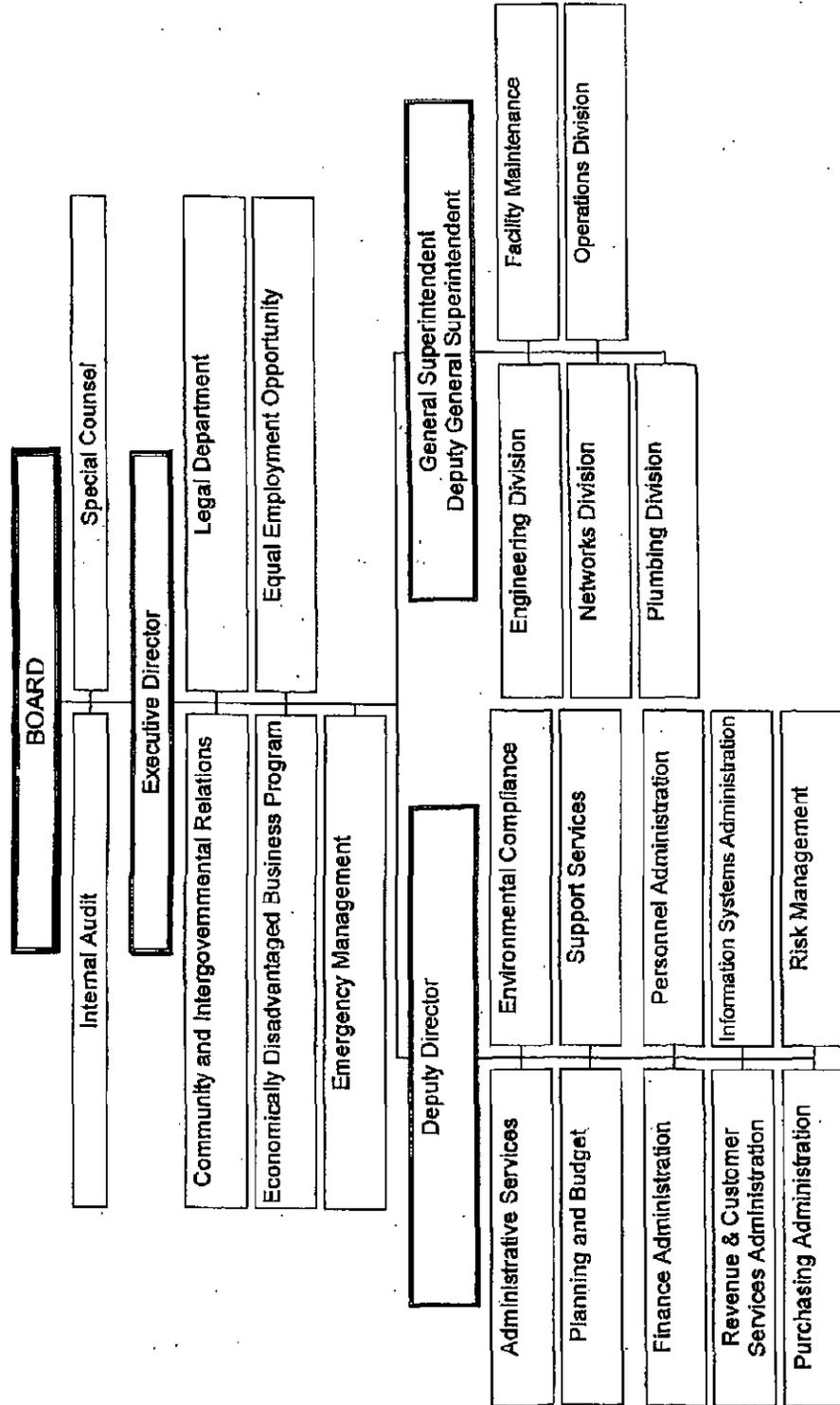
TOMMIE A. VASSEL - Chairperson

ARNIE FIELKOW  
CYNTHIA WILLARD-LEWIS  
DR. GERALD WILLIAMS

HAROLD HELLER  
WARREN J. LAWRENCE  
GERALD TILTON  
JOHN WILSON

MICHAEL CONEFRY & COMPANY, ACTUARY

# SEWERAGE AND WATER BOARD 2009 ORGANIZATION CHART



**THE SEWERAGE AND WATER BOARD OF NEW ORLEANS**

**DIVISION HEADS OF DEPUTY DIRECTOR**

December 31, 2009

**ROBERT MILLER**  
DEPUTY DIRECTOR

---

ADMINISTRATIVE SERVICES DIVISION  
LYNN COBETTE

ENVIRONMENTAL AFFAIRS DIVISION  
GORDON C. AUSTIN

MANAGEMENT SERVICES DIVISION  
VACANT

PLANNING AND BUDGET DIVISION  
DEXTER JOSEPH

SUPPORT SERVICES DIVISION  
JOHN WILSON

**THE SEWERAGE AND WATER BOARD OF NEW ORLEANS  
DIVISION HEADS OF GENERAL SUPERINTENDENT**

December 31, 2009

**JOSEPH BECKER**  
GENERAL SUPERINTENDENT

**MADLINE F. GODDARD**  
DEPUTY GENERAL SUPERINTENDENT

---

ENGINEERING DIVISION  
JOHN (JACK) HUERKAMP

FACILITY MAINTENANCE DIVISION  
GABE SIGNORELLI

NETWORKS DIVISION  
RUDY AUGUST

OPERATIONS DIVISION  
BOB MOEINIAN

PLUMBING DIVISION  
JAMES I. ARNOLD

**THE SEWERAGE AND WATER BOARD OF NEW ORLEANS  
DEPARTMENT HEADS OF MANAGEMENT SERVICES DIRECTOR**

**December 31, 2009**

**VACANT  
MANAGEMENT SERVICES DIRECTOR**

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**FINANCE ADMINISTRATION  
ETHEL H. WILLIAMS**

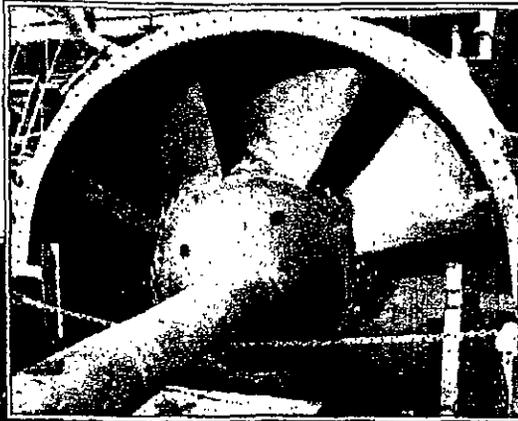
**INFORMATION SYSTEMS ADMINISTRATION  
MELINDA NELSON**

**PERSONNEL ADMINISTRATION  
KEVIN F. WALSH**

**PURCHASING ADMINISTRATION  
WILLIE M. MINGO JR.**

**REVENUE AND CUSTOMER SERVICES ADMINISTRATION  
JACQUELINE K. SHINE**

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When one of the pumps at Drainage Pumping Station No. 3 began to "chatter" and make a loud noise, it was discovered that 5 of the 8 impeller blades were cracked. The Board's own employees from Facility Maintenance disassembled the pump, gouged out the cracked areas and weld-repaired the blades. Additional work was done on the shaft while the casing was off. The pump, which has been in service for more the 80 years, was reassembled, test run and put back in service. The station is located at North Broad and London Avenue. On many jobs, the Board's employees can make repairs more cheaply and quickly than contractors not as familiar with the Board's complex machinery.

# FINANCIAL SECTION

## INDEPENDENT AUDITORS' REPORT

Members of the Board  
Sewerage and Water Board of New Orleans:

We have audited the basic financial statements of the Sewerage and Water Board of New Orleans (the Board) as of and for the years ended December 31, 2009 and 2008, as listed in the table of contents. These basic financial statements are the responsibility of the Board's management. Our responsibility is to express an opinion on these financial statements based on our audits.

We conducted our audits in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes consideration of internal control over financial reporting as a basis for designing audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Board's internal control over financial reporting. Accordingly, we express no such opinion. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and the significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the basic financial statements referred to above present fairly, in all material respects, the financial position of the Board as of December 31, 2009 and 2008, and the results of its operations and its cash flows for the years then ended in conformity with accounting principles generally accepted in the United States of America.

In accordance with *Government Auditing Standards*, we have also issued our report dated June 29, 2010, on our consideration of the Board's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* and should be considered in assessing the results of our audits.

Accounting principles generally accepted in the United States of America require that the management's discussion and analysis on pages II-3 through II-14 be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board, who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

Our audits were conducted for the purpose of forming an opinion on the financial statements that collectively comprise the Board's financial statements as a whole. The introductory section, Schedules 1 through 6, the Statistical Information section, and Supplementary Information section are presented for purposes of additional analysis and are not a required part of the financial statements. Schedules 1 through 6 are the responsibility of management and were derived from and relate directly to the underlying accounting and other records used to prepare the financial statements. The information has been subjected to the auditing procedures applied in the audit of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the information is fairly stated in all material respects in relation to the financial statements as a whole. The Statistical Information and Supplementary Information sections have not been subjected to the auditing procedures applied in the audit of the basic financial statements and, accordingly, we do not express an opinion or provide any assurance on it.



New Orleans, Louisiana  
June 29, 2010

## SEWERAGE & WATER BOARD OF NEW ORLEANS

### MANAGEMENT'S DISCUSSION AND ANALYSIS YEAR ENDED DECEMBER 31, 2009

This section of the Sewerage & Water Board of New Orleans' (the Board) annual financial report presents a discussion and analysis of the Board's financial performance during the fiscal year that ended December 31, 2009. Please read it in conjunction with the Board's financial statements, which follow this section.

#### FINANCIAL HIGHLIGHTS

Recovery from Hurricane Katrina and the resulting flooding continued to be the most significant event to occur during 2009. Repairs to water, sewerage, and drainage systems, building repairs, and vehicle and equipment replacements continued throughout 2009.

#### Enterprise Fund

The major highlights in the Board's enterprise fund were as follows:

##### 2009

- The Board's additions to its major systems approximated \$130.4 million.
- The SELA project which is a major upgrade to the drainage system by the Corps of Engineers resulted in additions of approximately \$23.9 million to work in progress during the year.
- Federal Emergency Management Agency (FEMA) Disaster Public Assistance grants expended totaled approximately \$49.9 million, of which approximately \$30.5 million were capital contributions and approximately \$19.4 million were for operating and maintenance expenses.
- The Board refunded the \$24,030,000 Sewerage Service Refunding Bond Anticipation Notes, Series 2006, using the proceeds of the \$23,375,000 Sewerage Service Revenue Refunding Bonds Series 2009 and \$2,161,565 of excess debt service reserve funds. As part of the refunding, the Board paid \$1,172,452 of bond costs, which are amortizable through the date of maturity of the bonds. The bonds are secured by a pledge of revenues of the Sewerage Fund.

##### 2008

- The Board's additions to its major systems approximated \$76.1 million.
- The SELA project which is a major upgrade to the drainage system by the Corps of Engineers continued to be postponed during 2008 with no additions to work in progress recorded during the year.
- Federal Emergency Management Agency (FEMA) Disaster Public Assistance grants expended totaled \$16.0 million, of which approximately \$16.0 million were capital contributions and approximately \$25,000 were for operating and maintenance expenses.

## **Pension Trust Fund**

### **2009**

The major highlight in the Board's pension trust fund was the strengthening financial performance in the stock market as compared to 2008 and the resulting appreciation of \$29.0 million in the market value of the investments held by the plan during 2009, as opposed to the depreciation of \$60.7 million in the market value of the investments during 2008. The plan net assets available for benefits increased to \$184.8 million.

### **2008**

The major highlight in the Board's pension trust fund was the weakening financial performance in the stock market as compared to 2007 and the resulting depreciation of \$60.7 million in the market value of the investments held by the plan during 2008, as opposed to the appreciation of \$5.2 million in the market value of the investments during 2007. The plan net assets available for benefits decreased to \$162.4 million.

## **OVERVIEW OF THE FINANCIAL STATEMENTS**

This financial report consists of five parts: management's discussion and analysis (this section), the financial statements, the notes to the financial statements, required supplementary information, and other supplementary information.

### **Government-wide Financial Statements – Enterprise Fund**

The Board's principal activities of providing water, sewerage, and drainages services are accounted for in a single proprietary fund – the enterprise fund. Enterprise funds are used to report business activities. Since the enterprise fund is the Board's single activity, its financial statements are presented as the Board's government-wide financial statements.

The financial statements provide both long-term and short-term information about the Board's overall financial status. The financial statements also include notes that explain some of the information in the financial statements and provide more detailed data. The statements are followed by a section of required supplementary information and other supplementary information that further explain and support the information in the financial statements.

The Board's financial statements are prepared on an accrual basis in conformity with accounting principles generally accepted in the United States of America (GAAP) as applied to government units. Under this basis of accounting, revenues are recognized in the period in which they are earned, expenses are recognized in the period in which they are incurred, and depreciation of assets is recognized in the Statements of Revenues, Expenses, and Changes in Net Assets. All assets and liabilities associated with the operation of the Board are included in the Statements of Net Assets.

The Statement of Net Assets reports the Board's net assets. Net assets - the difference between the Board's assets and liabilities - are one way to measure the Board's financial health or position.

**Fund Financial Statements – Pension Trust Fund**

The Board’s fund financial statements consist of its pension trust fund. As a fiduciary fund, the pension trust fund is held for the benefit of employees and retirees of the Board. The pension trust fund is not reflected in the government-wide financials because the resources are not available to the Board for its activities. The accounting for the pension trust fund is much like that used by the enterprise fund.

**FINANCIAL ANALYSIS OF THE BOARD’S**

**ENTERPRISE FUND**

**2009 Net Assets**

The Board’s total assets at December 31, 2009 were approximately \$1.8 billion, a 3.9% increase from December 31, 2008 (see Table A-1).

Table A-1				
Sewerage & Water Board of New Orleans				
Net Assets				
	2009	2008	Increase (Decrease)	Increase (Decrease)
Current unrestricted assets	\$ 96,709,930	\$ 85,536,897	\$ 11,173,033	13.1%
Restricted assets	128,818,918	164,746,871	(35,927,953)	-21.8%
Property, plant and equipment - net	1,604,392,342	1,509,805,388	94,586,954	6.3%
Other assets	2,174,276	1,698,192	476,084	28.0%
<b>Total assets</b>	<b>\$ 1,832,095,466</b>	<b>\$ 1,761,787,348</b>	<b>\$ 70,308,118</b>	<b>4.0%</b>
Current liabilities	\$ 126,535,376	\$ 152,039,186	\$ (25,503,810)	-16.8%
Long-term liabilities	398,993,489	374,212,806	24,780,683	6.6%
<b>Total liabilities</b>	<b>525,528,865</b>	<b>526,251,992</b>	<b>(723,127)</b>	<b>-0.1%</b>
Net assets:				
Invested in capital assets, net of related debt	1,367,130,463	1,306,085,162	61,045,301	4.7%
Restricted	(60,563,862)	(70,549,806)	9,985,944	-14.2%
<b>Total net assets</b>	<b>1,306,566,601</b>	<b>1,235,535,356</b>	<b>71,031,245</b>	<b>5.7%</b>
<b>Total liabilities and net assets</b>	<b>\$ 1,832,095,466</b>	<b>\$ 1,761,787,348</b>	<b>\$ 70,308,118</b>	<b>4.0%</b>

The increase in total assets of \$70.3 million resulted primarily due to an increase in property, plant, and equipment of \$94.6 million, offset by a decrease in investments restricted for construction of \$47.2 million. Current liabilities decreased by \$25.5 million, and long-term liabilities increased by \$24.8 million in 2009, as compared to 2008 due to the refunding of the Sewer Revenue Bonds Anticipation Notes, Series 2006, in the amount of \$24.0 million and the issuance of the Sewer Service Revenue Refunding Bonds, Series 2009, in the amount of \$23.3 million.

## 2008 Net Assets

The Board's total assets at December 31, 2008 were approximately \$1.8 billion, a 1.6% decrease from December 31, 2007 (see Table A-1).

	2008	2007	Increase (Decrease)	Increase (Decrease)
Current assets	\$ 85,536,897	\$ 130,654,155	\$ (45,117,258)	-34.5%
Restricted assets	164,746,871	191,182,517	(26,435,646)	-13.8%
Property, plant and equipment - net	1,509,805,388	1,465,225,933	44,579,455	3.0%
Other assets	1,698,192	4,185,361	(2,487,169)	-59.4%
<b>Total assets</b>	<b>\$ 1,761,787,348</b>	<b>\$ 1,791,247,966</b>	<b>\$ (29,460,618)</b>	<b>-1.6%</b>
Current liabilities	\$ 152,039,186	\$ 115,274,616	\$ 36,764,570	31.9%
Long-term liabilities	374,212,806	390,323,513	(16,110,707)	-4.1%
<b>Total liabilities</b>	<b>526,251,992</b>	<b>505,598,129</b>	<b>20,653,863</b>	<b>4.1%</b>
Net assets:				
Invested in capital assets, net of related debt	1,306,085,162	1,265,078,240	41,006,922	3.2%
Restricted	(70,549,806)	20,571,597	(91,121,403)	-442.9%
<b>Total net assets</b>	<b>1,235,535,356</b>	<b>1,285,649,837</b>	<b>(50,114,481)</b>	<b>-3.9%</b>
<b>Total liabilities and net assets</b>	<b>\$ 1,761,787,348</b>	<b>\$ 1,791,247,966</b>	<b>\$ (29,460,618)</b>	<b>-1.6%</b>

The decrease in total assets of \$29.5 million resulted primarily from a write off of \$48.0 million of FEMA receivables due to prior expenditures currently in dispute and subject to appeal or expenditures that were disallowed by FEMA, offset by an increase in property, plant, and equipment of \$44.6 million due to \$16.5 million in construction funds expended and \$18.1 million of capital contributions less the annual provision for depreciation of \$31.5 million, payments made on bonds of \$12.6 million offset by new loans of \$12.8 million borrowed through the Debt Service Assistance program, and an overpayment of FEMA grant funds in the amount of \$21.1 million. Current liabilities increased by \$36.8 million and long-term liabilities decreased by \$16.1 million in 2008 as compared to 2007 due primarily to debt service payments made on bonds offset by additional debt from the Debt Service Assistance Fund loan and an overpayment of FEMA grant funds of \$21.1 million.

## 2009 Changes in Net Assets

The change in net assets for the year ended December 31, 2009 was an increase of approximately \$71.0 million, as opposed to a decrease in net assets of approximately \$50.1 million for the year ended December 31, 2008. The Board's total operating revenues increased by 11.1% to approximately \$121.1 million, and total operating expenses decreased 3.4% to approximately \$165.4 million. The changes in net assets are detailed in Table A-3; operating expenses are detailed in Table A-4.

	2009	2008	Increase (Decrease)	Increase (Decrease)
Operating revenues:				
Charges for services	\$ 117,264,448	\$ 106,463,582	\$ 10,800,866	10.1%
Other	3,814,564	2,487,983	1,326,581	53.3%
<b>Total operating revenues</b>	<b>121,079,012</b>	<b>108,951,565</b>	<b>12,127,447</b>	<b>11.1%</b>
Operating expenses (Table A-3)	165,407,457	171,174,171	(5,766,714)	-3.4%
Operating loss	(44,328,445)	(62,222,606)	17,894,161	28.8%
Non-operating revenues:				
Property taxes	36,198,099	39,702,436	(3,504,337)	-8.8%
Other taxes	371,006	515,735	(144,729)	-28.1%
Operating and maintenance grants	19,373,185	(3,973)	19,377,158	+48721.1%
Investment income (expense)	(880,830)	1,825,534	(2,706,364)	-148.3%
<b>Total non-operating revenues</b>	<b>55,061,460</b>	<b>42,039,732</b>	<b>13,021,728</b>	<b>31.0%</b>
Income before capital contributions	10,733,015	(20,182,874)	30,915,889	-153.2%
Capital contributions	60,298,230	(29,931,607)	90,229,837	-301.5%
<b>Change in net assets</b>	<b>71,031,245</b>	<b>(50,114,481)</b>	<b>121,145,726</b>	<b>-241.7%</b>
Net assets, beginning of year	1,235,535,356	1,285,649,837	(50,114,481)	-3.9%
Net assets, end of year	\$ 1,306,566,601	\$ 1,235,535,356	\$ 71,031,245	5.7%

Property taxes decreased by \$3.5 million in 2009 due to uncollected prior year receivables written off in 2009.

Capital contributions from federal grants and construction of Board property was approximately \$60.3 million resulting primarily from capital additions reimbursable under the FEMA Disaster Public Assistance grant of approximately \$30.5 million and approximately \$23.9 million of capital contributions by the Army Corps of Engineers. In 2008, the Board had grant revenues of approximately \$18.1 million offset by a write off of approximately \$48.0 million of receivables due to FEMA Disaster Public Assistance grant expenditures that were disallowed or currently in dispute and subject to appeal. Operating and maintenance grants increased to \$19.4 million in 2009 due to the reimbursement of current and prior year expenses for water system point repairs under the FEMA Disaster Public Assistance grant.

	2009	2008	Increase (Decrease)	Increase (Decrease)
Power and pumping	\$ 2,950,788	\$ 4,178,641	\$ (1,227,853)	-8.7%
Treatment	9,911,557	8,243,782	1,666,775	9.8%
Transmission and distribution	21,466,523	18,994,209	2,472,314	13.0%
Customer accounts	3,044,936	2,719,594	325,342	12.0%
Customer service	3,417,239	3,323,696	93,543	2.8%
Administration and general	13,504,125	15,173,190	(1,669,065)	-11.0%
Payroll related	35,085,953	31,549,622	3,536,331	11.2%
Maintenance of general plant	24,828,902	33,455,074	(8,626,172)	-25.8%
Depreciation	34,692,628	31,546,017	3,146,611	10.0%
Amortization	140,917	158,019	(17,102)	-10.8%
Provision for doubtful accounts	(3,693,971)	1,244,862	(4,938,833)	-396.7%
Provision for claims	58,860	587,465	(528,605)	-90.0%
<b>Total operating expenses</b>	<b>\$ 165,407,457</b>	<b>\$ 171,174,171</b>	<b>\$ (5,766,714)</b>	<b>-3.4%</b>

The decrease in power and pumping expenses in 2009 of approximately \$1.2 million or 8.7% is primarily due to a decrease in cost of natural gas. The increase in treatment expenses in 2009 of \$1.7 million or 9.1% is primarily due to an increase in the costs of chemicals. The increase in transmission and distribution expenses in 2009 of \$2.4 million or 13.0% is primarily due to an increase in contractor cost and materials. The increase in payroll related expenses in 2009 of \$3.5 million or 11.2% is primarily due to salary increases in accordance with City of New Orleans Civil Service and an increased number of employees. The decrease in maintenance of general plant in 2009 of \$8.6 million or 25.8% resulted primarily from lack of personnel to address repairs and lacks of fund to purchase parts and material. Provisions for doubtful accounts decreased by approximately \$4.9 million, or 396.7%, in 2009 as a result of fewer new closed accounts in 2009 as well as the collection of accounts written off in prior years. Provisions for claims decreased by \$528 thousand in 2009, as compared to 2008. Claims expense varies due to the number and severity of the claims during any period. The decrease is due primarily to a decrease in reserves recognized during 2009 offset by claims payments made during 2009.

### 2008 Changes in Net Assets

The change in net assets for the year ended December 31, 2008 was a decrease of approximately \$50.1 million, as opposed to an increase in net assets of approximately \$64.0 million for the year ended December 31, 2007. The Board's total operating revenues decreased by 0.6% to approximately \$109.0 million, and total operating expenses increased 7.0% to approximately \$171.2 million. The changes in net assets are detailed in Table A-3; operating expenses are detailed in Table A-4.

	2008	2007	Increase (Decrease)	Increase (Decrease)
Operating revenues:				
Charges for services	\$ 106,463,582	\$ 106,642,409	\$ (178,827)	-0.2%
Other	2,487,983	2,927,070	(439,087)	-15.0%
Total operating revenues	108,951,565	109,569,479	(617,914)	-0.6%
Operating expenses (Table A-3)	171,174,171	159,967,931	11,206,240	7.0%
Operating loss	(62,222,606)	(50,398,452)	(11,824,154)	-23.5%
Non-operating revenues:				
Property taxes	39,702,436	36,667,904	3,034,532	8.3%
Other taxes	515,735	443,122	72,613	16.4%
Operating and maintenance grants	(3,973)	1,777,188	(1,781,161)	-100.2%
Hurricane gain	-	205,995	(205,995)	-100.0%
Investment income (expense)	1,825,534	3,383,157	(1,557,623)	-46.0%
Total non-operating revenues	42,039,732	42,477,366	(437,634)	-1.0%
Income before capital contributions	(20,182,874)	(7,921,086)	(12,261,788)	154.8%
Capital contributions	(29,931,607)	71,955,106	(101,886,713)	-141.6%
Change in net assets	(50,114,481)	64,034,020	(114,148,501)	-178.3%
Net assets, beginning of year	1,285,649,837	1,221,615,817	64,034,020	5.2%
Net assets, end of year	\$ 1,235,535,356	\$ 1,285,649,837	\$ (50,114,481)	-3.9%

Property taxes increased by \$3.0 million in 2008 due to an increase in assessed value offset by a decrease in the millage.

Capital revenue from federal grants and construction of Board property was approximately (\$29.9) million as a result of grant revenues of approximately \$18.1 million offset by a write off of approximately \$48.0 million of receivables due to FEMA Disaster Public Assistance grant expenditures that were disallowed or currently in dispute and subject to appeal. Operating and maintenance grants decreased by 100.2% to (\$3,973). Capital contributions and operating and maintenance grants are primarily related to FEMA Disaster Public Assistance grants.

	2008	2007	Increase (Decrease)	Increase (Decrease)
Power and pumping	\$ 14,178,641	\$ 13,041,954	\$ 1,136,687	8.7%
Treatment	18,243,782	16,280,975	1,962,807	12.1%
Transmission and distribution	18,994,209	19,832,226	(838,017)	-4.2%
Customer accounts	2,719,594	2,290,092	429,502	18.8%
Customer service	3,323,696	2,670,145	653,551	24.5%
Administration and general	15,173,190	14,899,028	274,162	1.8%
Payroll related	31,549,622	28,259,815	3,289,807	11.6%
Maintenance of general plant	33,455,074	26,993,626	6,461,448	23.9%
Depreciation	31,546,017	25,377,733	6,168,284	24.3%
Amortization	158,019	158,019	-	0.0%
Provision for doubtful accounts	1,244,862	12,613,283	(11,368,421)	-90.1%
Provision for claims	587,465	(2,448,965)	3,036,430	-124.0%
Total operating expenses	<u>\$ 171,174,171</u>	<u>\$ 159,967,931</u>	<u>\$ 11,206,240</u>	<u>7.0%</u>

The increase in power and pumping expenses in 2008 of \$1.1 million or 8.7% is primarily due to an increase in salaries. The increase in treatment expenses in 2008 of \$2.0 million or 12.1% is primarily due to an increase in the costs of chemicals. The decrease in transmission and distribution expenses in 2008 of approximately \$838 thousand or 4.2% is primarily due to a decrease in repairs due to damage incurred during natural disasters. The increase in payroll related expenses in 2008 of \$3.3 million or 11.6% is primarily due to salary increases in accordance with City of New Orleans Civil Service as well as an increased number of employees and \$8.5 million recognized for an increase in the other postretirement benefits liability. The increase in maintenance of general plant in 2008 of \$6.5 million or 23.9% resulted primarily from increases in the cost of high pressure gas, materials, supplies, contracts, fuel and electricity for all facilities and increases in payroll related costs, professional services, and consulting costs. Provisions for doubtful accounts decreased by \$11.4 million or 90.1% in 2008 as a result of a smaller increase in closed accounts which are fully reserved than in 2007 and additional reserves for amounts not expected to be collected following Hurricane Katrina recognized during 2007. Provisions for claims increased by \$3.0 million in 2008 as compared to 2007. Claims expense varies due to the number and severity of the claims during any period. The increase is due primarily to a large increase in reserves recognized during 2008 offset by claims payments made during 2008.

## PENSION TRUST FUND

### 2009 Plan Net Assets

The Board's total plan net assets of its pension trust fund at December 31, 2009 was approximately \$184.8 million, a 13.8% increase from December 31, 2008 (see table A-7). Total assets increased 14.8% to \$191 million.

Table A-7				
Sewerage & Water Board of New Orleans				
Plan Net Assets				
	2009	2008	Increase (Decrease)	Increase (Decrease)
Cash	\$ 764,400	\$ 776,446	\$ (12,046)	-1.6%
Investments	190,173,791	165,246,434	24,927,357	15.1%
Receivables	38,703	120,733	(82,030)	-67.9%
Other assets	47,249	274,483	(227,234)	-82.8%
<b>Total assets</b>	<b>191,024,143</b>	<b>166,418,096</b>	<b>24,606,047</b>	<b>14.8%</b>
DROP participant payable	6,247,599	4,034,240	2,213,359	54.9%
<b>Total liabilities</b>	<b>6,247,599</b>	<b>4,034,240</b>	<b>2,213,359</b>	<b>-54.9%</b>
<b>Plan net assets</b>	<b>\$ 184,776,544</b>	<b>\$ 162,383,856</b>	<b>\$ 22,392,688</b>	<b>13.8%</b>

Plan net assets increased by \$22.3 million in 2009 primarily due to realized and unrealized gains on investments recognized in 2009.

#### 2008 Plan Net Assets

The Board's total plan net assets of its pension trust fund at December 31, 2008 were approximately \$162.4 million, a 28.7% decrease from December 31, 2007 (see table A-7). Total assets decreased 28.2% to \$166.4 million.

Table A-8				
Sewerage & Water Board of New Orleans				
Plan Net Assets				
	2008	2007	Increase (Decrease)	Increase (Decrease)
Cash	\$ 776,446	\$ 102,653	\$ 673,793	656.4%
Investments	165,246,434	231,011,414	(65,764,980)	-28.5%
Receivables	120,733	420,795	(300,062)	-71.3%
Other assets	274,483	257,562	16,921	6.6%
<b>Total assets</b>	<b>166,418,096</b>	<b>231,792,424</b>	<b>(65,374,328)</b>	<b>-28.2%</b>
DROP participant payable	4,034,240	3,966,600	67,640	1.7%
<b>Total liabilities</b>	<b>4,034,240</b>	<b>3,966,600</b>	<b>67,640</b>	<b>-1.7%</b>
<b>Plan net assets</b>	<b>\$ 162,383,856</b>	<b>\$ 227,825,824</b>	<b>\$ (65,441,968)</b>	<b>-28.7%</b>

Plan net assets decreased by \$65.4 million in 2008 primarily due to realized and unrealized losses on investments recognized in 2008.

## 2009 Changes in Plan Net Assets

Table A-9				
Sewerage & Water Board of New Orleans				
Change in Plan Net Assets				
	2009	2008	Increase (Decrease)	Increase (Decrease)
<b>Additions:</b>				
Contributions	\$ 6,925,168	\$ 7,017,975	\$ (92,807)	-1.3%
Net income on investments	29,699,396	(59,190,144)	88,889,540	150.2%
<b>Total additions</b>	<b>36,624,564</b>	<b>(52,172,169)</b>	<b>88,796,733</b>	<b>-170.2%</b>
<b>Deductions:</b>				
Benefits	(11,140,341)	(10,782,636)	(357,705)	3.3%
Employee refunds	(85,524)	(133,779)	48,255	-36.1%
Employee DROP contributions	(3,006,011)	(2,353,384)	(652,627)	27.7%
<b>Total deductions</b>	<b>(14,231,876)</b>	<b>(13,269,799)</b>	<b>(962,077)</b>	<b>7.3%</b>
<b>Change in net assets</b>	<b>22,392,688</b>	<b>(65,441,968)</b>	<b>87,834,656</b>	<b>-134.2%</b>
Plan net assets, beginning of year	162,383,856	227,825,824	(65,441,968)	-28.7%
<b>Plan net assets, end of year</b>	<b>\$ 184,776,544</b>	<b>\$ 162,383,856</b>	<b>\$ 22,392,688</b>	<b>13.8%</b>

Net income on investments increased by \$88.9 million or 150.2% during 2009 due to increasing performance in the stock market as compared to 2008. The increase in the change in plan net assets of \$87.8 million resulted primarily from an increase in unrealized gains on investments in 2009.

## 2008 Changes in Plan Net Assets

Table A-10				
Sewerage & Water Board of New Orleans				
Change in Plan Net Assets				
	2008	2007	Increase (Decrease)	Increase (Decrease)
<b>Additions:</b>				
Contributions	\$ 7,017,975	\$ 6,753,824	\$ 264,151	3.9%
Net income on investments	(59,190,144)	7,947,645	(67,137,789)	-844.8%
<b>Total additions</b>	<b>(52,172,169)</b>	<b>14,701,469</b>	<b>(66,873,638)</b>	<b>-454.9%</b>
<b>Deductions:</b>				
Benefits	(10,782,636)	(10,625,533)	(157,103)	1.5%
Employee refunds	(133,779)	(215,746)	81,967	-38.0%
Employee DROP contributions	(2,353,384)	(1,971,448)	(381,936)	19.4%
<b>Total deductions</b>	<b>(13,269,799)</b>	<b>(12,812,727)</b>	<b>(457,072)</b>	<b>3.6%</b>
<b>Change in net assets</b>	<b>(65,441,968)</b>	<b>1,888,742</b>	<b>(67,330,710)</b>	<b>-3564.8%</b>
Plan net assets, beginning of year	227,825,824	225,937,082	1,888,742	0.8%
<b>Plan net assets, end of year</b>	<b>\$ 162,383,856</b>	<b>\$ 227,825,824</b>	<b>\$ (65,441,968)</b>	<b>-28.7%</b>

Net income on investments decreased by \$67.1 million or 844.8% during 2008 due to declining performance in the stock market as compared to 2007. The decrease in the change in plan net assets of \$67.3 million resulted primarily from a decrease in unrealized gains on investments in 2008.

## **CAPITAL ASSET AND DEBT ADMINISTRATION**

### **2009 Capital Assets**

As of December 31, 2009, the Board had invested approximately \$2.2 billion in capital assets. Net of accumulated depreciation, the Board's net capital assets at December 31, 2009 totaled approximately \$1.6 billion. This amount represents a net increase (including additions and disposals, net of depreciation) of approximately \$94.6 million or 6.3% over December 31, 2008.

At December 31, 2008, the Board's budget for its five year capital improvements program totaled approximately \$2.9 billion including \$238.6 million for water, \$426.5 million for sewerage and \$2.2 billion for drainage. Due to certain regulatory and legislative changes, additional capital improvements will probably be required. Future capital improvement program expenditures may require the issuance of additional debt depending on the amount and timing of expenditures. As of December 31, 2009, the Board has committed or appropriated \$80.7 million in investments for use in future capital projects and has \$6.2 million of bond proceeds remaining for construction. The capital project investments are included in restricted assets.

The capital improvements budget for 2009 is \$646.4 million, including \$304.9 million for projects, which are expected to be funded by federal grants and programs. Significant projects included in property, plant and equipment in progress as of December 31, 2009 include the following:

Hurricane Katrina related Repairs and Replacement  
Southeast Louisiana Flood Control Program  
Sewer System Sanitation Evaluation and Rehabilitation Program  
Drainage Pumping Stations and Canals  
Eastbank Sewer Treatment Plant  
Westbank Sewer Treatment Plant

See Note 4 for detailed capital asset activity during 2009.

### **2008 Capital Assets**

As of December 31, 2008, the Board had invested approximately \$2.1 billion in capital assets. Net of accumulated depreciation, the Board's net capital assets at December 31, 2008 totaled approximately \$1.5 billion. This amount represents a net increase (including additions and disposals, net of depreciation) of approximately \$44.6 million or 3.0% over December 31, 2007.

At December 31, 2008, the Board's budget for its five year capital improvements program totaled approximately \$2.2 billion including \$295.6 million for water, \$520.3 million for sewerage and \$1.4 billion for drainage. Due to certain regulatory and legislative changes, additional capital improvements will probably be required. Future capital improvement program expenditures may require the issuance of additional debt depending on the amount and timing of expenditures. As of December 31, 2008, the Board has committed or appropriated \$67.8 million in investments for use in future capital projects and has \$54.2 million of bond proceeds remaining for construction. The capital project investments are included in restricted assets.

The capital improvements budget for 2009 is \$625.8 million, including \$293.8 million for projects, which are expected to be funded by federal grants and programs.

#### **2009 Debt Administration**

The Board continues to make its regularly scheduled payments on its bonds. During 2009, \$37.3 million in principal payments were made.

The Board entered into a Cooperative Endeavor Agreement with the State of Louisiana in July 2006 to borrow up to \$77.5 million from the Debt Service Assistance Fund. During 2009, the Board made no additional draw downs on the loan program.

See Note 7 for detailed long term debt activity during 2009.

#### **2008 Debt Administration**

The Board continues to make its regularly scheduled payments on its bonds. During 2008, \$12.6 million in principal payments were made.

The Board entered into a Cooperative Endeavor Agreement with the State of Louisiana in July 2006 to borrow up to \$77.5 million from the Debt Service Assistance Fund. During 2008, the Board made additional draw downs of \$12.8 million on the loan program.

#### **ECONOMIC FACTORS AND RATES**

There are continued significant other revenues and expenses which impact the Board. State and federal grants related to the disaster are expected to have a significant impact on 2010. Total FEMA debris removal, mitigation, and capital replacement grants are expected to exceed \$297 million. Of these approximately \$247.4 million has been recognized through 2009. FEMA revenues will continue to be recognized as buildings, systems, and other reimbursable assets are repaired or replaced. In 2010, the Board will recognize additional portions of these revenues but much of the construction and replacement will not have been completed and the revenues although measurable may not be readily available due to the delays in actual receipts of FEMA funds.

On March 21, 2007, the Board approved a series of five annual water rate increases beginning with the first increase on November 1, 2007 followed by four additional increases to be implemented on July 1 of each year, 2008 through 2011. The New Orleans City Council approved the annual water rate increases on October 4, 2007. The rate increase scheduled for July 1, 2010 is 5%.

The number of open accounts has decreased from approximately 121,000 at the end of 2005 to approximately 117,900 at the end of 2009, a decrease of 2.6%. The number of open accounts decreased significantly in 2006 and 2007. However, the number of open accounts increased in 2009 by approximately 7,100.

## **CONTACTING THE BOARD'S FINANCIAL MANAGEMENT**

This financial report is designed to provide our bondholders, patrons, and other interested parties with a general overview of the Board's finances and to demonstrate the Board's accountability for the money it receives. If you have questions about this report or need additional financial information, contact the Sewerage & Water Board of New Orleans at (504) 585-2356.

## **BASIC FINANCIAL STATEMENTS**

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**SEWERAGE AND WATER BOARD OF NEW ORLEANS**  
**STATEMENTS OF NET ASSETS**  
December 31, 2009 and 2008

ASSETS	2009	2008
Noncurrent assets:		
Property, plant and equipment	\$ 2,248,235,760	\$ 2,122,573,459
Less: accumulated depreciation	643,843,418	612,768,071
Property, plant and equipment, net	1,604,392,342	1,509,805,388
Other assets:		
Bond issuance costs	2,122,961	1,091,426
Deposits	51,315	51,315
Net pension asset (liability)	-	555,451
Total other assets	2,174,276	1,698,192
Total noncurrent assets	1,606,566,618	1,511,503,580
Current assets:		
Unrestricted:		
Cash	21,158,918	34,588,256
Accounts receivable:		
Customers (net of allowance for doubtful accounts)	7,602,052	7,301,967
Taxes	11,676,566	10,323,398
Interest	42,201	322,318
Grants	38,122,491	13,116,853
Miscellaneous	4,793,131	5,036,848
Due from City of New Orleans, current	-	122,812
Due from other fund	47,249	290,778
Inventory of supplies	12,576,264	12,887,851
Prepaid expenses	691,058	1,545,816
Total unrestricted	96,709,930	85,536,897
Restricted:		
Capital projects	80,594,752	67,781,695
Construction funds	6,221,641	54,206,676
Debt service reserve	30,040,670	32,075,521
Customer deposits	6,550,885	5,390,167
Health insurance reserve	5,198,970	5,080,812
Other	212,000	212,000
Total restricted	128,818,918	164,746,871
Total current assets	225,528,848	250,283,768
Total assets	\$ 1,832,095,466	\$ 1,761,787,348

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**  
**STATEMENTS OF NET ASSETS**  
(Continued)

NET ASSETS AND LIABILITIES	2009	2008
Net Assets:		
Invested in capital assets - net of related debt	\$ 1,367,130,463	\$ 1,306,085,162
Restricted For:		
Debt service	30,040,670	32,075,521
Capital projects	(90,604,532)	(102,625,327)
Total restricted for net assets	(60,563,862)	(70,549,806)
Total net assets	1,306,566,601	1,235,535,356
Liabilities:		
Long-term liabilities:		
Claims payable	4,338,126	4,873,176
Net pension obligation	1,885,642	-
Other postretirement benefits liability	24,474,061	15,186,702
Bonds payable (net of current maturities)	228,878,520	220,644,423
Special Community Disaster loan payable	61,956,747	61,956,747
Debt Service Assistance Fund loan payable	77,460,393	77,460,393
Total long-term liabilities	398,993,489	380,121,441
Current liabilities (payable from current assets):		
Accounts payable	39,284,548	36,048,591
Due to City of New Orleans	106,332	151,333
Due to other governments (Note 14)	28,988,864	28,928,619
Retainers and estimates payable	1,523,443	2,253,676
Due to pension trust fund	58,158	90,290
Accrued salaries	1,096,653	1,301,684
Accrued vacation and sick pay	10,048,113	9,435,109
Claims payable	16,265,665	18,253,689
Other liabilities	5,877,666	4,149,709
	103,249,442	100,612,700
Current liabilities (payable from restricted assets):		
Accrued interest	993,480	1,032,516
Bonds payable	14,605,000	37,282,479
Retainers and estimates payable	1,136,569	1,812,689
Customer deposits	6,550,885	5,390,167
	23,285,934	45,517,851
Total current liabilities	126,535,376	146,130,551
Total liabilities	525,528,865	526,251,992
Total net assets and liabilities	\$ 1,832,095,466	\$ 1,761,787,348

See accompanying notes to financial statements.

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**  
**STATEMENTS OF REVENUES, EXPENSES AND CHANGES IN NET ASSETS**  
For the years ended December 31, 2009 and 2008

	<u>2009</u>	<u>2008</u>
Operating revenues:		
Sales of water and delinquent fees	\$ 50,677,054	\$ 43,995,732
Sewerage service charges	66,102,946	61,877,246
Plumbing inspection and license fees	484,448	590,604
Other revenue	3,814,564	2,487,983
	<u>121,079,012</u>	<u>108,951,565</u>
 Operating Expenses:		
Power and pumping	12,950,788	14,178,641
Treatment	19,910,557	18,243,782
Transmission and distribution	21,466,523	18,994,209
Customer accounts	3,044,936	2,719,594
Customer service	3,417,239	3,323,696
Administration and general	13,504,125	15,173,190
Payroll related	35,085,953	31,549,622
Maintenance of general plant	24,828,902	33,455,074
Depreciation	34,692,628	31,546,017
Amortization	140,917	158,019
Provision for doubtful accounts	(3,693,971)	1,244,862
Provision for claims	58,860	587,465
	<u>165,407,457</u>	<u>171,174,171</u>
Total operating expenses		
Operating loss	<u>(44,328,445)</u>	<u>(62,222,606)</u>
 Non-operating revenues (expenses):		
Three-mill tax	10,302,545	11,294,822
Six-mill tax	10,410,524	11,406,361
Nine-mill tax	15,485,030	17,001,253
Other taxes	371,006	515,735
Operating and maintenance grants	19,373,185	(3,973)
Interest income	885,723	3,545,564
Interest expense	(1,766,553)	(1,720,030)
	<u>55,061,460</u>	<u>42,039,732</u>
Total non-operating revenues (expenses)		
Income (loss) before capital contributions	10,733,015	(20,182,874)
Capital contributions	60,298,230	(29,931,607)
Change in net assets	71,031,245	(50,114,481)
 Net assets:		
Beginning of year	<u>1,235,535,356</u>	<u>1,285,649,837</u>
End of year	<u>\$ 1,306,566,601</u>	<u>\$ 1,235,535,356</u>

See accompanying notes to financial statements.

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**  
**STATEMENTS OF CASH FLOWS**  
**ENTERPRISE FUND**

For the years ended December 31, 2009 and 2008

	2009	2008
Cash flows from operating activities		
Cash received from customers	\$ 120,128,884	\$ 113,557,045
Cash payments to suppliers for goods and services	(67,905,381)	(72,538,365)
Cash payments to employees for services	(62,192,851)	(56,968,728)
Other revenue	4,542,729	2,692,029
Net cash used in operating activities	(5,426,619)	(13,258,019)
Cash flows from noncapital financing activities		
Proceeds from property taxes	35,215,937	34,444,278
Proceeds from federal operating and maintenance grants	16,600,789	695,562
Cash received from (paid to) an other government (Note 14)	(18,098,192)	21,097,027
Net cash provided by noncapital financing activities	33,718,534	56,236,867
Cash flows from capital and related financing activities		
Acquisition and construction of capital assets	(106,953,016)	(81,327,975)
Proceeds from Debt Service Assistance Fund loan	-	12,805,271
Principal payments on bonds payable	(37,300,000)	(12,635,000)
Proceeds from bonds payable	23,040,889	-
Payments for bond issuance costs	(1,172,452)	-
Interest paid on bonds payable	(14,226,040)	(14,485,620)
Principal payments on capital lease	-	(104,445)
Interest paid on capital lease	-	(1,409)
Proceeds from construction fund, net (Note 14)	18,158,437	7,831,592
Capital contributed by developers and federal grants	38,187,800	28,612,316
Net cash used in capital and related financing activities	(80,264,382)	(59,305,270)
Cash flows from investing activities		
Payments for purchase of investments	(487,546,256)	(482,917,302)
Proceeds from maturities of investments	595,423,939	510,268,751
Investment income	1,454,458	6,119,988
Net cash provided by investing activities	109,332,141	33,471,437
Net increase in cash	57,359,674	17,145,015
Cash at the beginning of the year	35,522,908	18,377,893
Cash at the end of the year	\$ 92,882,582	\$ 35,522,908
Reconciliation of cash and restricted cash (Note 2)		
Current assets - cash	\$ 21,158,918	\$ 34,588,256
Restricted assets -cash	71,723,664	934,652
Total cash	\$ 92,882,582	\$ 35,522,908

(Continued)

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**

**STATEMENTS OF CASH FLOWS**

(Continued)

**ENTERPRISE FUND**

For the years ended December 31, 2009 and 2008

	2009	2008
Reconciliation of operating loss to net cash used in operating activities is as follows:		
Operating loss	\$ (44,328,445)	\$ (62,222,606)
Adjustments to reconcile net operating loss to net cash used in operating activities:		
Depreciation	34,692,628	31,546,017
Provision for claims	58,860	587,465
Provision for (recovery of) doubtful accounts	(3,693,971)	1,244,862
Amortization	140,917	158,019
Change in operating assets and liabilities:		
Decrease in customer and other receivables	3,393,885	7,559,667
(Increase) decrease in inventory	311,587	(711,121)
(Increase) decrease in prepaid expenses and other receivables	1,342,004	(511,949)
Decrease in net pension asset	2,441,093	2,231,244
Increase (decrease) in accounts payable	(8,549,399)	2,066,541
Increase in accrued salaries, due to pension and accrued vacation and sick pay	375,841	893,310
Increase in net other postretirement benefits liability	9,287,359	8,511,992
Decrease in other liabilities	(898,978)	(4,611,460)
	\$ (5,426,619)	\$ (13,258,019)

See accompanying notes to financial statements.

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**  
**STATEMENTS OF PLAN NET ASSETS**  
**PENSION TRUST FUND**  
**December 31, 2009 and 2008**

	<u>2009</u>	<u>2008</u>
Assets:		
Cash	\$ 764,400	\$ 776,446
Receivables:		
Investment income	27,794	103,710
Employee contributions receivable	10,909	17,023
Due from other fund	47,249	274,483
Investments:		
Money market	19,549,539	979,756
LAMP	5,863,469	4,035,743
Corporate bonds	83,959,767	71,876,205
Equities	80,801,016	88,354,730
Total assets	<u>191,024,143</u>	<u>166,418,096</u>
Liabilities:		
DROP participants payable	<u>6,247,599</u>	<u>4,034,240</u>
Total liabilities	<u>6,247,599</u>	<u>4,034,240</u>
Plan net assets available for pension benefits	<u>\$ 184,776,544</u>	<u>\$ 162,383,856</u>

See accompanying notes to financial statements.

**SEWERAGE AND WATER BOARD OF NEW ORLEANS  
STATEMENTS OF CHANGES IN PLAN NET ASSETS  
PENSION TRUST FUND**

For the years ended December 31, 2009 and 2008

	2009	2008
<b>Additions:</b>		
Contributions:		
Employee contributions	\$ 1,161,744	\$ 1,143,858
Employer contributions	5,247,031	4,915,512
City annuity and other transfers in	516,393	958,605
Total contributions	6,925,168	7,017,975
Investment income:		
Interest income	29,818	(27,774)
Dividend income	863,785	1,812,649
Net appreciation (depreciation)	28,992,832	(60,658,710)
	29,886,435	(58,873,835)
Less: investment expense	(187,039)	(316,309)
Net investment income (loss)	29,699,396	(59,190,144)
Total additions	36,624,564	(52,172,169)
<b>Deductions:</b>		
Benefits	(11,140,341)	(10,782,636)
Employee refunds	(85,524)	(133,779)
Employee contributions to DROP	(3,006,011)	(2,353,384)
Total deductions	(14,231,876)	(13,269,799)
Change in plan net assets	22,392,688	(65,441,968)
Plan net assets at beginning of year	162,383,856	227,825,824
Plan net assets at end of year	\$ 184,776,544	\$ 162,383,856

See accompanying notes to financial statements.

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**NOTES TO  
BASIC FINANCIAL STATEMENTS**

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## SEWERAGE AND WATER BOARD OF NEW ORLEANS

### NOTES TO FINANCIAL STATEMENTS

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(1) Summary of Significant Accounting Policies

History and Organization

The major operation of the Sewerage and Water Board of New Orleans (the Board) is providing water, sewerage and drainage services for the City of New Orleans (the City). The Sewerage and Water Board of New Orleans was created by Act 6 of the Louisiana Legislature of 1899 as a special board independent of the City's government to construct, maintain and operate a water treatment and distribution system and a public sanitary sewerage system for the City. In 1903, the Legislature gave the Board control of and responsibility for the City's major drainage system and relieved the City of the duty of providing in its annual operating budget or otherwise for the maintenance and operations of the water, sewerage and drainage systems.

In accordance with the Louisiana Revised Statutes (LRS) 33:4096 and 4121, the Board has the authority to establish the water and sewerage rates to charge to its customers. The rates are based on the actual water consumed and on the costs of maintenance and operation of the water and sewerage systems, including the costs of improvements and replacements. The collections of water and sewerage revenues are to be used by the Board for the maintenance and operation of the systems, the cost of improvements, betterments, and replacements, and to provide for the payments of interest and principal on the bonds payable. On March 21, 2007, the Board approved a series of five annual water rate increases beginning with the first increase on November 1, 2007 followed by four additional increases to be implemented on July 1 of each year, 2008 through 2011. The New Orleans City Council approved the annual water rate increases on October 4, 2007.

The Board has also been given the authority to levy and collect various tax millages which are used for the operation and maintenance of the drainage operations. All excess revenues collected are made available for capital development of the system. The proceeds of the rate collections and tax millages are invested in such investments as authorized by the LRS. These investments are reflected in the combined statement of net assets, as "restricted assets," as they are restricted to the purposes as described above.

The Board is composed of thirteen members, including the Mayor of the City, the two Council Members-at-Large, and one District Councilman selected by the City Council, two members of the Board of Liquidation and seven citizens appointed by the Mayor. The appointed members of the Board serve staggered nine year terms.

The Board's accounting policies conform to accounting principles generally accepted in the United States of America as applicable to utilities and to governmental units. The following is a summary of the more significant policies.

(A) Reporting Entity

In conformity with the Governmental Accounting Standards Board's definition of a reporting entity, the Board includes an enterprise fund and a pension trust fund for financial reporting purposes. The Board is considered a reporting entity based on the following criteria:

SEWERAGE AND WATER BOARD OF NEW ORLEANS

NOTES TO FINANCIAL STATEMENTS

(Continued)

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(1) Summary of Significant Accounting Policies (continued)

- (a) Responsibility for surpluses/deficits. The Board is solely responsible for its surpluses/deficits. In accordance with Louisiana Revised Statutes, no other governmental unit is responsible for the Board's deficits or has a claim to its surpluses. The Board's operations are self-sustaining; revenues are generated through charges to customers and dedicated property taxes. Other than grants, no funding is received from the State of Louisiana or the City of New Orleans.
- (b) Budget Approval. The Board is solely responsible for reviewing, approving and revising its budget.
- (c) Responsibility for Debt. The Louisiana Revised Statutes authorize the Board to issue bonds; such bonds must bear on their face a statement that they do not constitute a debt of the City. The Board is solely responsible for payments to the bondholders. No other governmental unit is required by statute to make any payments to bondholders nor have any payments to bondholders ever been made by any governmental unit, except the Board.
- (d) Designation of Management. The Board controls the hiring of management and employees.
- (e) Special Financial Relationship. The Board has no special financial relationships with any other governmental unit.
- (f) Statutory Authority. The Board's statutory authority was created by the State of Louisiana as an independent governmental unit. Only an amendment to state statutes can change or abolish the Board's authority.

The Board is a stand-alone entity as defined by Governmental Accounting Standards Board Statement 14, *The Financial Reporting Entity*. The Board is a legally-separate governmental organization that does not have a separately elected governing body and does not meet the definition of a component unit. As a result of a Louisiana Supreme Court decision on March 21, 1994, the Board was declared to be an autonomous or self-governing legal entity, legally independent of the city, state and other governments, created and organized pursuant to Louisiana Revised Statutes 33:4071 as a board, separate and independent of the governing authorities of the City and vested with autonomous or self governing authority. No other government can mandate actions of the Board nor impose specific financial burdens. The Board is fiscally independent to operate under its bond covenant and the provisions of Louisiana Revised Statute provisions.

The City of New Orleans includes the Board as a component unit in the City's financial statements.

SEWERAGE AND WATER BOARD OF NEW ORLEANS

NOTES TO FINANCIAL STATEMENTS

(Continued)

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(1) Summary of Significant Accounting Policies (continued)

(B) Basis of Financial Statement Presentation

The Board's basic financial statements consist of the government-wide statements which include the proprietary fund (the enterprise fund) and the fund financial statements which includes the fiduciary fund (the pension trust fund). The operations of the Board are accounted for in the following fund types:

Proprietary Fund Type

The proprietary fund is used to account for the Board's ongoing operations and activities which are similar to those often found in the private sector. The proprietary fund is accounted for using a flow of economic resources measurement focus. With this measurement focus, all assets and all liabilities associated with the operation of these funds are included on the statement of net assets. Net assets are segregated into amounts invested in capital assets (net of related debt), restricted for debt service, restricted for capital projects and unrestricted. The Board's restricted assets are expendable for their purposes. The Board utilizes available unrestricted assets before utilizing restricted assets. The operating statements present increases (revenues) and decreases (expenses) in net assets. The Board maintains one proprietary fund type -- the enterprise fund. The enterprise fund is used to account for operations (a) that are financed and operated in a manner similar to private business enterprises--where the intent of the governing body is that the cost (expenses, including depreciation) of providing goods or services to the general public on a continuing basis be financed or recovered primarily through user charges; or (b) where the governing body has decided that periodic determination of revenues earned, expenses incurred, and/or net income is appropriate for capital maintenance. The presentation of the financial statements of the enterprise fund follows the format recommended by the National Association of Regulatory Utility Commissioners (NARUC).

The statement of net assets arrangement for a utility reflects the relative importance of the various accounts. "Property, plant and equipment" is the first major category on the asset side, and long-term capitalization categories of net assets are listed first on the liability side. Current assets and current liabilities are assigned a relatively less important position in the center of the statement of net assets, rather than being placed first as in the statement of net assets of commercial and industrial enterprises.

Operating revenues include all charges for service; other revenues include reconnection fees and other miscellaneous charges. Operating expenses include the costs associated with providing water, sewerage and drainage services. Interest income, interest expense and tax revenues are presented as non-operating items.

The enterprise fund is presented in the government-wide financial statements.

# SEWERAGE AND WATER BOARD OF NEW ORLEANS

## NOTES TO FINANCIAL STATEMENTS

(Continued)

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(1) Summary of Significant Accounting Policies (continued)

Fiduciary Fund Type

The fiduciary fund is used to account for assets held by the Board in a trustee capacity or as an agent for individuals, private organizations, other governmental units and/or other funds. The Board maintains one fiduciary fund type - the pension trust fund. The pension trust fund uses the flow of economic resources measurement focus. All assets and liabilities associated with the operation of this fund are included in the statement of plan net assets. The pension trust fund is used to account for the activity of the Board's employee retirement plan.

The pension trust fund is presented in the fund financial statements.

The Board applies all applicable FASB pronouncements issued on or before November 30, 1989 in accounting for its enterprise fund and pension trust fund operations unless those pronouncements conflict with or contradict GASB pronouncements.

(C) Basis of Accounting

The enterprise fund and the pension trust fund prepare their financial statements on the accrual basis of accounting. Unbilled utility service charges are not recorded as management considers the effect of not recording such unbilled receivables as not material. Property taxes are recorded as revenue in the year for which they are levied. Plan member contributions are recognized in the period in which contributions are due. Employer contributions to the pension plan are recognized when due and the employer has made a commitment to provide the contributions. Benefits and refunds are recognized when due and payable in accordance with the terms of the plan.

(D) Investments

Investments are reported at fair value, except for short-term investments (maturity of one year or less) which are reported at amortized cost, which approximates fair value. Securities traded in a national or international exchange are valued at the last reported sales price at current exchange rates. Investments that do not have an established market are reported at estimated fair value.

(E) Inventory of Supplies

Inventory of supplies is stated at the lower of cost or market. Cost is determined by the first-in, first-out method.

(F) Property, Plant and Equipment

Property, plant and equipment are carried at historical cost. The Board capitalizes moveable equipment with a value of \$10,000 or greater; stationary, network and other equipment with a value of \$5,000 or greater and all real estate. The cost of additions includes contracted work, direct labor, materials and allocable cost. Donated capital assets are recorded at their estimated fair value at the date of donation.

SEWERAGE AND WATER BOARD OF NEW ORLEANS

NOTES TO FINANCIAL STATEMENTS

(Continued)

(1) Summary of Significant Accounting Policies (continued)

Interest is capitalized on property, plant and equipment acquired and/or constructed with tax exempt debt. Depreciation is computed using the straight-line method over the estimated useful life of the asset. When assets are retired or otherwise disposed of, the cost and related accumulated depreciation are removed from the accounts and any resulting gain or loss is recognized in revenue for the period. The cost of maintenance and repairs is charged to operations as incurred and significant renewals and betterments are capitalized. Deduction is made for retirements resulting from renewals or betterments.

(G) Vacation and Sick Pay

Vacation (annual leave) and sick pay (sick leave) are accrued when earned. Annual leave is accrued at the rate of .6923 of a workday for each bi-weekly accrual period for all employees on the payroll as of December 31, 1978. Employees hired after that date earn leave at a rate of .5 of a workday per bi-weekly pay period.

All employees on the payroll as of December 31, 1978 receive three bonus days each year; all employees hired after that date receive three bonus days each year for five through nine calendar years of continuous service; six bonus days each year for ten through fourteen years; nine bonus days each year for fifteen through nineteen years; and, twelve days for twenty or more years of continuous service. Civil Service's policy permits employees a limited amount of earned but unused annual leave which will be paid to employees upon separation from the Board. The amount shall not exceed ninety days for employees hired before January 1, 1979, and forty-five days for employees hired after December 31, 1978.

Sick leave is accumulated on a bi-weekly basis by all employees hired prior to December 31, 1978 at an accrual rate of .923 of a workday. For employees hired subsequent to December 31, 1978, the accrual rate is .5 of a workday for each bi-weekly period, plus a two day bonus each year for employees with six through fifteen calendar years of continuous service, and seven bonus days each year for employees with sixteen or more calendar years of continuous service.

Upon separation from the Board, an employee can elect to convert unused sick leave for retirement credits or cash. The conversion to cash is determined by a rate ranging from one day of pay for five days of leave for the 1st through 100th leave day to one day of pay for one day of leave for all days in excess of the 400th leave day. The total liability for unconverted sick leave as December 31, 2009 and 2008 is approximately \$13,783,000 and \$12,949,000, respectively. The amount included in the statements of net assets as of December 31, 2009 and 2008 is \$10,048,113 and \$9,435,109, respectively, which represents the annual leave and the converted sick leave since virtually all employees convert their sick leave to cash. The amounts for compensated absences include the salary cost as well as certain salary related costs, such as the Board's share of social security expense. The following table summarizes changes in the Board's vacation and sick pay liability.

Year	Beginning of Year Liability	Current Year Earned and Changes in Estimate	Payments	End of Year Liability
2009	9,435,109	7,239,848	(6,626,844)	10,048,113
2008	8,982,354	7,087,823	(6,635,068)	9,435,109

SEWERAGE AND WATER BOARD OF NEW ORLEANS

NOTES TO FINANCIAL STATEMENTS  
(Continued)

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(I) Summary of Significant Accounting Policies (continued)

(H) Pension

The Board funds the accrued pension cost for its contributory pension plan which covers substantially all employees. Annual costs are actuarially computed using the entry age normal cost method.

(I) Drainage System

In 1903, the Legislature gave the Board control of and responsibility for the City's drainage system. The Drainage System was established as a department of the enterprise fund to account for the revenues from three-mill, six-mill and nine-mill ad valorem taxes designated exclusively for drainage services. These revenues have been supplemented by inspection and license fees collected by the Board. There exists a potential for additional financing by additional user service charges. Expenditures from the system are for the debt service of three-mill, six-mill and nine-mill tax bonds and drainage related operation, maintenance and construction.

(J) Self-Insurance/Risk Management

The Board is self-insured for general liability, workers' compensation, unemployment compensation and hospitalization benefits and claims. The accrued liability for the various types of claims represents an estimate by management of the eventual loss on the claims arising prior to year-end, including claims incurred and not yet reported including estimates of both future payments of losses and related claims adjustment and expense. Estimated expenses and recoveries are based on a case by case review.

(K) Capital Contributions

Contributions from developers and others, and receipts of Federal, State and City grants for acquisition of property, plant and equipment are recorded as capital contributions in the statement of revenues, expenses and changes in net assets.

(L) Bond Issue Cost and Refinancing Gains (Losses)

Costs related to issuing bonds are capitalized and amortized based upon the methods used to approximate the interest method over the life of the bonds. Beginning with fiscal years in 1994 and thereafter, gains and losses associated with refundings and advance refundings are being deferred and amortized based upon the methods used to approximate the interest method over the life of the new bonds or the remaining term on any refunded bond, whichever is shorter. Premiums associated with bond issues are amortized over the interest yield method.

(M) Cash Flows

For purposes of the statement of cash flows, only cash on hand and on deposit at financial institutions are considered to be cash equivalents. Certificates of deposits, treasury bills and other securities are considered investments.

SEWERAGE AND WATER BOARD OF NEW ORLEANS

NOTES TO FINANCIAL STATEMENTS

(Continued)

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(1) Summary of Significant Accounting Policies (continued)

(N) Use of Restricted Assets

When restricted and unrestricted resources are available to cover expenses, unrestricted resources are first applied.

(O) Use of Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenue and expenditures during the period. Actual results could differ from those estimates. The current economic environment has increased the degree of uncertainty inherent in those estimates and assumptions.

(P) Net Assets

The Board classifies net assets into two components: invested in capital assets, net of related debt and restricted. These components are defined as follows:

Invested in capital assets, net of related debt - This component of net assets consists of capital assets, net of accumulated depreciation and reduced by the outstanding debt attributable to the acquisition, construction, or improvement of those assets. If there are significant unspent related debt proceeds at year-end, the portion of the debt attributable to the unspent proceeds is not included in this component of net assets. Rather, that portion of debt is included in the same component of net assets as the unspent proceeds.

Restricted - This component reports those net assets with externally imposed constraints placed on their use by creditors (such as through debt covenants), grantors, contributors, or laws or regulations of other governments or constraints imposed by law through constitutional provisions or enabling legislation.

Unrestricted - This component reports net assets that do not meet the definition of either of the other two components.

(2) Cash and Investments

The Board's investments and cash consist primarily of investments in direct obligations of the United States or agencies thereof and deposits with financial institutions.

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**

**NOTES TO FINANCIAL STATEMENTS**

(Continued)

(2) Cash and Investments (continued)

Custodial Credit Risk – Deposits – Custodial credit risk is the risk that in the event of a bank failure, the government's deposits may not be returned to it. Statutes require that the Board's cash and certificates of deposit be covered by federal depository insurance or collateral. At December 31, 2009, the Board's deposits with banks consisted of cash totaling \$28,440,023 and certificates of deposit of \$42,191,060. At December 31, 2008, the Board's deposits with banks consisted of cash totaling \$40,291,215 and certificates of deposit of \$138,370,437. Of the cash bank balance at December 31, 2009 and 2008, \$1,250,000 and \$815,258, respectively, is covered by federal depository insurance. The remaining amount of the Board's cash bank balances and all certificates of deposit for 2009 and 2008 were covered by collateral held by custodial agents of the financial institutions in the name of the Board.

In accordance with GASB 40, unless there is information to the contrary, obligations of the U.S. Government are not considered to have credit risk and do not require disclosure of credit quality.

The following are the components of the Board's cash and investments as of December 31:

<u>2009</u>	<u>Unrestricted</u>	<u>Restricted</u>	<u>Total</u>
Enterprise Fund:			
Cash and money market funds	\$ 21,158,918	\$ 71,723,664	\$ 92,882,582
Certificates of deposit		42,191,060	42,191,060
	<u>21,158,918</u>	<u>113,914,724</u>	<u>135,073,642</u>
Investments		14,904,194	14,904,194
Total cash and investments at fair value	<u>\$ 21,158,918</u>	<u>\$ 128,818,918</u>	<u>\$ 149,977,836</u>
<u>2008</u>	<u>Unrestricted</u>	<u>Restricted</u>	<u>Total</u>
Enterprise Fund:			
Cash and money market funds	\$ 34,588,256	\$ 934,652	\$ 35,522,908
Certificates of deposit		138,370,437	138,370,437
	<u>34,588,256</u>	<u>139,305,089</u>	<u>173,893,345</u>
Investments		25,411,782	25,441,782
Total cash and investments at fair value	<u>\$ 34,588,256</u>	<u>\$ 164,746,871</u>	<u>\$ 199,335,127</u>

The composition and carrying value of investments is as follows:

	<u>2009</u>	<u>2008</u>
Enterprise Fund:		
LAMP	\$ 6,007,861	\$ 7,814,883
U.S. Government securities and instrumentalities	<u>8,896,333</u>	<u>17,596,899</u>
	<u>\$ 14,904,194</u>	<u>\$ 25,411,782</u>

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**

**NOTES TO FINANCIAL STATEMENTS  
(Continued)**

(2) Cash and Investments (continued)

	2009	2008
Pension Trust Fund:		
Money market	\$ 19,549,539	\$ 979,756
LAMP	5,863,469	4,035,743
Corporate bonds	83,959,767	71,876,205
Equities	80,801,016	88,354,730
	\$ 190,173,791	\$ 165,246,434

Investments - Statutes authorize the Board to invest in obligations of the U.S. Treasury, agencies, and instrumentalities, commercial paper rated A-1 by Standard & Poors Corporation or P-1 by Moody's Commercial Paper Record, repurchase agreements, and the Louisiana Asset Management Pool (LAMP). In addition, the pension trust fund is authorized to invest in corporate bonds rated A or better by Standard & Poors Corporation or AAA or better by Moody's Investors Service, and equity securities.

LAMP is administered by LAMP, Inc., a non-profit corporation organized under the laws of the State of Louisiana. Only local government entities having contracted to participate in LAMP have an investment interest in its pool of assets. The primary objective of LAMP is to provide a safe environment for the placement of public funds in short-term, high quality investments. The LAMP portfolio includes only securities and other obligations in which local governments in Louisiana are authorized to invest in accordance with Louisiana R.S. 33:2955. Accordingly, LAMP investments are restricted to securities issued, guaranteed, or backed by the U.S. Treasury, the U.S. Government, or one of its agencies, enterprises, or instrumentalities, as well as repurchase agreements collateralized by those securities. The dollar weighted average portfolio maturity of LAMP assets is restricted to not more than 90 days, and consists of no securities with a maturity in excess of 397 days. LAMP is designed to be highly liquid to provide immediate access to participants. The fair market value of investments is determined on a weekly basis to monitor any variances between amortized cost and market value. For purposes of determining participants' shares, investments are valued at amortized cost. LAMP is subject to the regulatory oversight of the state treasurer and LAMP's board of directors. LAMP is not registered with the SEC as an investment company.

Under the provisions of its benefit plan and state law, the Board's pension benefit trust engages in securities lending to broker dealers and other entities for cash collateral that will be returned for the same securities in the future. The cash collateral cannot be liquidated by the Board unless the borrower defaults. Cash collateral is initially pledged at 102.58% of the market value of securities lent and additional collateral is provided by the next business day if the value falls to less than 100% of the market value of the securities lent. No collateral exposure existed as of December 31, 2009 and 2008. The value of securities lent at December 31, 2009 and 2008 was \$23,642,221 and \$38,883,529. The market value of the cash collateral at December 31, 2009 and 2008 was \$24,253,164 and \$40,559,644.

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**

**NOTES TO FINANCIAL STATEMENTS**

(Continued)

(2) Cash and Investments (continued)

Interest Rate Risk - Interest rate risk is the risk that changes in market interest rates will adversely affect the fair value of an investment. In general, the longer the maturity of an investment, the greater the sensitivity of its fair value to changes in market interest rates. The Board has a formal investment policy that states that *the investment portfolio shall remain sufficiently liquid to meet all operating and capital requirements that may be reasonably anticipated and that maturities of investments are to be structured concurrent with cash needs to meet anticipated demand.* As of December 31, 2009 and 2008, the Board's Enterprise Fund investments in U.S. Government Securities and Instrumentalities included U.S. Treasury Bills and Strips totaling \$8,896,333 and \$17,596,899, respectively, all of which have a remaining maturity of less than one year.

Credit Risk - State law limits investments in securities issued, or backed by United States Treasury obligations, and U.S. Government instrumentalities, which are federally sponsored. The Board's investment policy does not further limit its investment choices. LAMP is rated AAAM by Standard & Poor's. The Pension Trust Fund's investment policy requires that fixed income investments be investment grade (BBB or higher as rated by Standard & Poor's or Baa or higher as rated by Moody's. Bonds rated below BBB/Baa are not to exceed 15% of the portfolio and non-rated bonds are not to exceed 1% of the portfolio.

(3) Defined Benefit Pension Plan

The Board has a single-employer contributory retirement plan covering all full-time employees, the Pension Trust Fund (PTF). The Board's payroll for current employees covered by PTF for the years ended December 31, 2009 and 2008 was \$29,947,906 and \$29,466,571, respectively; such amounts exclude overtime and standby payroll. Total payroll, including overtime and standby payroll, was \$45,742,506 and \$42,733,299 for the years ended December 31, 2009 and 2008, respectively. At December 31, the PTF membership consisted of:

	2009	2008
Retirees and beneficiaries currently receiving benefits and terminated employees entitled to benefits but not yet receiving them	771	752
Current employees:		
Vested	585	604
Non-vested	251	223
	836	827
Total	1,607	1,579

The benefit provisions were established by action of the Board in 1956 in accordance with Louisiana statutes. The Board retains exclusive control over the plan through the Pension Committee of the PTF. Effective January 1, 1996, the plan became qualified under Internal Revenue Code Section 401(a) and thus is tax exempt.

SEWERAGE AND WATER BOARD OF NEW ORLEANS

NOTES TO FINANCIAL STATEMENTS

(Continued)

(3) Defined Benefit Pension Plan (continued)

The plan provides for retirement benefits as well as death and disability benefits. All benefits vest after ten years of service. Employees who retire at or after age sixty-five with ten years of credited service are entitled to an annual retirement benefit, payable biweekly for life, in an amount equal to two percent of their average compensation for each year of credited service up to ten years, increasing by (1) one-half percent per year for service years over ten years, (2) an additional one-half percent per year for service years over twenty years and (3) an additional one percent per year for service years over thirty years, for a maximum of four percent for each year of credited service. Average compensation is the average annual earned compensation (prior to 2002, less \$1,200) for the period of thirty-six successive months of service during which the employee's compensation was the highest. Employees with thirty years or more of credited service may retire without a reduction in benefits. Employees may retire prior to age sixty-two without thirty years of service with a reduction in benefits of three percent for each year of age below the age of sixty-two. If an employee leaves covered employment or dies before three years of credited service, the accumulated employee contributions plus related investment earnings are refunded to the employee or designated beneficiary.

The retirement allowance for retirees over age sixty-two is subject to a cost of living adjustment each January 1, provided that the member retired on or after January 1, 1984. The adjustment is based on the increase in the Consumer Price Index for all urban wage earners published by the U.S. Department of Labor, but is limited to an annual maximum of two percent on the first \$10,000 of initial retirement benefits.

Effective September 23, 1993, employers may transfer credit between the Board's plan and the City of New Orleans retirement system with full credit for vested service. The Board and its employees are obligated under plan provisions to make all required contributions to the plan. The required contributions are actuarially determined. Level percentage of payroll employer contribution rates is determined using the entry age normal actuarial funding method. Employees are required to contribute four percent of their regular salaries or wages.

The Board had attained full funding of the actuarially computed pension liability in 2000. Effective June 19, 2002, however, as a result of the adoption of several plan changes in accordance with the Board's reciprocity agreement with the City of New Orleans, the plan became unfunded. These changes impacted the plan's funding requirements by \$20,333,835, which is being amortized over a 10 year period. Key changes adopted included: (a) amendment to benefit formula; (b) adoption of a "Rule of 80" retirement; (c) change in the years of service required for a terminating employee to qualify for a later separation benefit from 10 years to 5 years; and (d) elimination of the exclusion of the first \$1,200 of earnings from benefits and contributions.

The annual required contribution for the current year was determined as part of the December 31, 2009 actuarial valuation using the entry age normal cost method. The actuarial assumptions included (a) 7.0% investment rate of return (net of administrative expenses) and (b) projected salary increase of 5.0% per year. Both (a) and (b) included an inflation component of 2.0%. The actuarial value of assets was determined using a seven-year weighted market average.

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**

**NOTES TO FINANCIAL STATEMENTS  
(Continued)**

(3) Defined Benefit Pension Plan (continued)

The Board's net pension asset for the years ended December 31 was as follows:

	<u>2009</u>	<u>2008</u>
Annual required contribution	\$ 7,591,495	\$ 7,146,527
Interest on net pension obligation	(38,882)	(195,069)
Adjustments to annual required contribution	<u>76,654</u>	<u>384,575</u>
Annual pension cost	7,629,267	7,336,034
Contributions made	<u>5,188,175</u>	<u>5,104,788</u>
Decrease in net pension asset	2,441,092	2,231,245
Net pension asset, beginning of year	<u>555,451</u>	<u>2,786,696</u>
Net pension (liability) asset, end of year	\$ <u>(1,885,642)</u>	\$ <u>555,451</u>

The net pension asset is being amortized over 10 years as of December 31, 2009, using the level dollar closed method and using the same interest, salary increase and inflation factors as the plan.

Trend information for Board and employee contributions is as follows:

	<u>Annual Pension Cost (APC)</u>	<u>Percentage of APC Contributed</u>	<u>Net Pension (Liability) Asset</u>
Fiscal year ending:			
December 31, 2009	\$ 7,629,268	68%	\$ (1,885,642)
December 31, 2008	\$ 7,336,034	70%	\$ 555,451
December 31, 2007	\$ 4,833,202	86%	\$ 2,786,695

The actuarially determined contribution requirement for the Board was 25.349% for 2009 and 24.253% for 2008. The contribution requirement for employees is 4.0%. The actual Board's and employees' contributions (including contributions for transferred employees from other pension plans) for years ended December 31 were as follows:

	<u>2009</u>	<u>2008</u>
Employer and other transfers	\$ 5,763,424	\$ 5,874,117
Employee	<u>1,161,744</u>	<u>1,143,858</u>
Total contributions	\$ <u>6,925,168</u>	\$ <u>7,017,975</u>

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**

**NOTES TO FINANCIAL STATEMENTS**

(Continued)

(3) Defined Benefit Pension Plan (continued)

Funded Status and Funding Progress

The funded status of the Plan as of December 31, 2009 and 2008, respectively, is based on the most recent actuarial valuation as follows:

Valuation Date	Actuarial Value of Assets	Actuarial Accrued Liability (AAL)	Unfunded Actuarial Accrued Liability (UAAL)	Funded Ratio	Covered Payroll	UAAL as a Percentage of Covered Payroll
2009	\$ 228,999,660	\$ 269,506,028	\$ 40,506,368	84.97	\$ 29,947,906	135.26%
2008	\$ 222,598,640	\$ 260,616,822	\$ 38,018,182	85.41	\$ 29,466,571	129.02%

The projection of benefits for financial reporting purposes does not explicitly incorporate the potential effects of legal or contractual funding limitations.

DROP

Beginning in 1996, the Board offered employees a "Deferred Retirement Option Plan" (DROP), an optional retirement program which allows an employee to elect to freeze his or her retirement benefits, but continue to work and draw a salary for a minimum period of one year to a maximum period of five years. While continuing employment, the retirement benefits are segregated from overall plan assets available to other participants. As of December 31, 2009 and 2008, 119 and 99 employees, respectively, participated in the plan. The amount of plan assets segregated for these individuals was \$6,247,599 and \$4,034,240 as of December 31, 2009 and 2008, respectively.

A separate report on the pension trust fund is not issued.

(4) Property, Plant and Equipment

The useful lives of property, plant and equipment consisted of the following:

Power and pumping stations - buildings	57 years
Power and pumping stations - machinery	40 years
Distribution systems	75 years
Sewerage collection	75 years
Canals and subsurface drains	75 to 100 years
Treatment plants	50 years
Connections and meters	50 years
Power transmission	50 years
General plant	12 years
General buildings	25 years

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**

**NOTES TO FINANCIAL STATEMENTS  
(Continued)**

(4) Property, Plant and Equipment (continued)

Property, plant and equipment consisted of the following as of December 31:

Cost	2009			
	Beginning Balance	Additions	Deletions	Ending Balance
Real estate rights, non depreciable	\$ 8,639,525	\$ 33,033	\$ -	\$ 8,672,558
Power and pumping stations - buildings	293,642,441	31,111,254	-	324,753,695
Power and pumping stations - machinery	234,833,301	7,580,510	-	242,413,811
Distribution systems	121,666,788	3,004,246	(697,242)	123,973,792
Sewerage collection	253,843,280	53,901,236	(2,151,765)	305,592,751
Canals and subsurface drainage	281,960,990	28,112,411	-	310,073,401
Treatment plants	120,712,279	15,203,313	-	135,915,592
Connections and meters	42,276,929	3,699,472	(672,852)	45,303,549
Power transmission	23,607,668	-	-	23,607,668
General plant	189,714,618	11,813,306	(95,422)	201,432,502
General buildings	7,586,547	-	-	7,586,547
Total property, plant and equipment in service	1,578,484,366	154,458,781	(3,617,281)	1,729,325,866
Construction in progress	544,089,093	130,362,767	(155,541,966)	518,909,894
Total property, plant and equipment	2,122,573,459	284,821,548	(159,159,247)	2,248,235,760
<b>Accumulated Depreciation</b>				
Power and pumping stations - buildings	90,747,517	5,697,911	-	96,445,428
Power and pumping stations - machinery	113,230,781	6,059,457	-	119,290,238
Distribution systems	41,988,200	1,648,851	(697,242)	42,939,809
Sewerage collection	32,598,935	4,133,470	(2,151,765)	34,580,640
Canals and subsurface drainage	56,509,673	3,191,916	-	59,701,589
Treatment plants	44,608,802	2,718,312	-	47,327,114
Connections and meters	27,249,874	906,071	(672,852)	27,483,093
Power transmission	11,942,955	472,153	-	12,415,108
General plant	188,607,718	9,561,024	(95,422)	198,073,320
General buildings	5,283,616	303,463	-	5,587,079
Total accumulated depreciation	612,768,071	34,692,628	(3,617,281)	643,843,418
Net property, plant, and equipment	\$ 1,509,805,388	\$ 250,128,920	\$ (155,541,966)	\$ 1,604,392,342

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**

**NOTES TO FINANCIAL STATEMENTS  
(Continued)**

**(4) Property, Plant and Equipment (continued)**

	2008			
	Beginning Balance	Additions	Deletions	Ending Balance
<b>Cost</b>				
Real estate rights, non depreciable	\$ 8,639,525	\$ -	\$ -	\$ 8,639,525
Power and pumping stations - buildings	287,862,377	5,780,064	-	293,642,441
Power and pumping stations - machinery	224,489,768	10,343,533	-	234,833,301
Distribution systems	121,812,303	288,776	(434,291)	121,666,788
Sewerage collection	234,788,244	20,447,865	(1,392,829)	253,843,280
Canals and subsurface drainage	281,803,343	157,647	-	281,960,990
Treatment plants	116,746,590	3,965,689	-	120,712,279
Connections and meters	38,521,713	3,811,737	(56,521)	42,276,929
Power transmission	23,607,668	-	-	23,607,668
General plant	180,041,127	9,775,622	(102,131)	189,714,618
General buildings	7,586,547	-	-	7,586,547
Total property, plant and equipment in service	1,525,899,205	54,570,933	(1,985,772)	1,578,484,366
Construction in progress	522,534,554	76,074,913	(54,520,374)	544,089,093
Total property, plant and equipment	2,048,433,759	130,645,846	(56,506,146)	2,122,573,459
<b>Accumulated Depreciation</b>				
Power and pumping stations - buildings	85,608,774	5,138,743	-	90,747,517
Power and pumping stations - machinery	107,360,835	5,869,946	-	113,230,781
Distribution systems	40,813,481	1,609,010	(434,291)	41,988,200
Sewerage collection	30,615,649	3,376,115	(1,392,829)	32,598,935
Canals and subsurface drainage	53,661,590	2,848,083	-	56,509,673
Treatment plants	42,194,556	2,414,246	-	44,608,802
Connections and meters	26,460,858	845,537	(56,521)	27,249,874
Power transmission	11,470,802	472,153	-	11,942,955
General plant	180,041,127	8,668,722	(102,131)	188,607,718
General buildings	4,980,154	303,462	-	5,283,616
Total accumulated depreciation	583,207,826	31,546,017	(1,985,772)	612,768,071
Net property, plant, and equipment	\$1,465,225,933	\$99,099,829	\$(54,520,374)	\$1,509,805,388

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**

**NOTES TO FINANCIAL STATEMENTS**

**(Continued)**

(4) Property, Plant and Equipment (continued)

Interest capitalized was as follows for the years ended December 31:

	<u>2009</u>		<u>2008</u>	
Interest income	\$	490,410	\$	1,966,531
Interest expense		(11,310,812)		(12,293,962)
Net interest capitalized	\$	<u>(10,820,402)</u>	\$	<u>(10,327,431)</u>

(5) Customer Receivables

Customer receivables as of December 31 consist of the following:

		<u>Customer</u>		<u>Allowance</u>		
		<u>Accounts</u>		<u>for Doubtful</u>		<u>Net</u>
		<u>Accounts</u>		<u>Accounts</u>		<u>Net</u>
2009	Water	\$	18,995,980	\$	13,918,777	\$ 5,077,203
	Sewer		22,704,895		20,180,046	2,524,849
		\$	<u>41,700,875</u>	\$	<u>34,098,823</u>	\$ 7,602,052
2008	Water	\$	21,675,663	\$	16,652,907	\$ 5,022,756
	Sewer		27,092,747		24,813,536	2,279,211
		\$	<u>48,768,410</u>	\$	<u>41,466,443</u>	\$ 7,301,967

(6) Due from the City of New Orleans

In accordance with the terms of an agreement with the City of New Orleans, the Board and the City agreed to offset \$2,098,687 (net of unearned discount \$285,696) owed by the City to the Board at the rate of \$200,000 annually in lieu of civil service charges through 2009. As of December 31, 2009 and 2008, \$0 and \$122,812, respectively, was due from the City of New Orleans.

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**

**NOTES TO FINANCIAL STATEMENTS**

**(Continued)**

**(7) Changes in Long-term Obligations**

**a. Bonds Payable**

Bonds payable consisted of the following as of December 31:

	<u>Principal Balances</u>	
	<u>2009</u>	<u>2008</u>
5.00% to 6.25% sewerage revenue bonds, series 1997 (initial average interest cost 5.36%), due in annual principal installments ranging from \$1,100,000 to \$2,425,000; final payment due June 1, 2017	\$ 16,115,000	\$ 17,685,000
4.125% to 6.125% water revenue bonds, series 1998 (initial average interest cost 4.82%), due in annual principal installments ranging from \$625,000 to \$1,220,000; final payment due December 1, 2018	9,190,000	10,000,000
4.125% to 6.000% sewer revenue bonds, series 1998 (initial average interest cost 4.82%), due in annual principal installments ranging from \$950,000 to \$1,910,000; final payment due June 1, 2018	14,360,000	15,625,000
4.10% to 6.10% drainage system bonds, series 1998 (initial average interest cost 4.84%), due in annual principal installments ranging from \$370,000 to \$760,000; final payment due December 1, 2018	5,675,000	6,175,000
5.25% to 6.50% sewer revenue bonds, series 2000 (initial average interest cost 5.48%), due in annual principal installments ranging from \$820,000 to \$2,205,000; final payment due June 1, 2020	18,425,000	19,585,000
5.00% to 7.00% sewer revenue bonds, series 2000B (initial average interest cost 5.43%), due in annual principal installments ranging from \$640,000 to \$1,660,000; final payment due June 1, 2020	14,010,000	14,905,000
4.40% to 6.70% sewer revenue bonds, series 2001 (initial average interest cost 5.02%), due in annual principal installments ranging from \$1,100,000 to \$2,455,000; final payment due December 1, 2021	23,015,000	24,435,000

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**  
**NOTES TO FINANCIAL STATEMENTS**  
(Continued)

(7) Changes in Long-term Obligations (continued)

a. Bonds Payable (continued)

	<u>Principal Balances</u>	
	<u>2009</u>	<u>2008</u>
3.00% to 5.00% sewerage service revenue bonds, series 2002 (initial average interest cost 4.36%; due in annual principal installments ranging from \$1,635,000 to \$4,520,000; final payment due June 1, 2022.	\$ 43,485,000	\$ 45,740,000
3.00% to 5.00% water revenue bonds, series 2002 (initial average interest cost 4.57%, due in annual principal installments ranging from \$945,000 to \$3,658,000; final payment due December 1, 2022.	27,560,000	28,770,000
3.45% to 6.00% drainage system bonds, series 2002 (initial average interest cost 4.46%), due in annual principal installments ranging from \$510,000 to \$2,155,000; final payment due December 1, 2022.	15,850,000	16,535,000
2.20% to 5.00% sewerage service revenue bonds, series 2003 (initial average interest cost 4.45%); due in annual principal installments ranging from \$140,000 to \$395,000; final payment due June 1, 2023.	4,260,000	4,490,000
3.25% to 6.00% sewerage service revenue bonds, series 2004 (initial average interest cost 4.62%); due in annual principal installments ranging from \$945,000 to \$3,685,000; final payment due June 1, 2024.	27,010,000	28,280,000
5.02% sewerage service refunding bond anticipation notes, series 2006; due in one principal installment of \$24,030,000 on July 15, 2009.	-	24,030,000
3.40% to 6.25% sewerage service revenue refunding bonds, series 2009 (initial average interest cost 6.68%); due in annual principal installments ranging from \$680,000 to \$1,945,000; final payment due June 1, 2029.	23,375,000	-
	<u>242,330,000</u>	<u>256,255,000</u>
Plus bond premiums	1,153,520	1,671,902
Total	243,483,520	257,926,902
Less current maturities	14,605,000	37,282,479
Bond payable, long-term	<u>\$ 228,878,520</u>	<u>\$ 220,644,423</u>

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**

**NOTES TO FINANCIAL STATEMENTS  
(Continued)**

(7) Changes in Long-term Obligations (continued)

a. Bonds Payable (continued)

The changes in long-term debt were as follows:

		<u>2009</u>		<u>2008</u>
Balance, beginning of year	\$	256,255,000	\$	268,890,000
Payments		(37,300,000)		(12,635,000)
Proceeds		23,375,000		-
Balance, end of year	\$	<u>242,330,000</u>	\$	<u>256,255,000</u>

The annual requirements to amortize all bonds payable as of December 31, 2009, are as follows:

<u>Year</u>	<u>Principal</u>	<u>Interest</u>	<u>Total</u>
2010	\$ 14,605,000	\$ 11,777,975	\$ 26,382,975
2011	15,335,000	11,110,839	26,445,839
2012	16,085,000	10,385,994	26,470,994
2013	16,880,000	9,609,297	26,489,297
2014	17,730,000	8,755,548	26,485,548
2015-2019	95,950,000	29,164,816	125,114,816
2020-2024	57,120,000	8,104,288	65,224,288
2025-2029	<u>8,625,000</u>	<u>1,414,844</u>	<u>10,039,844</u>
Total	\$ <u>242,330,000</u>	\$ <u>90,323,600</u>	\$ <u>332,653,600</u>

The amount of revenue bonds and tax bonds payable as of December 31, 2009, are as follows:

<u>Year</u>	<u>Revenue Bonds</u>	<u>Tax Bonds</u>	<u>Total</u>
2010	\$ 13,370,000	\$ 1,235,000	\$ 14,605,000
2011	14,035,000	1,300,000	15,335,000
2012	14,725,000	1,360,000	16,085,000
2013	15,455,000	1,425,000	16,880,000
2014	16,240,000	1,490,000	17,730,000
2015-2019	87,405,000	8,545,000	95,950,000
2020-2024	50,950,000	6,170,000	57,120,000
2025-2029	<u>8,625,000</u>	<u>-</u>	<u>8,625,000</u>
Total	\$ <u>220,805,000</u>	\$ <u>21,525,000</u>	\$ <u>242,330,000</u>

SEWERAGE AND WATER BOARD OF NEW ORLEANS

NOTES TO FINANCIAL STATEMENTS

(Continued)

(7) Changes in Long-term Obligations (continued)

a. Bonds Payable (continued)

In 2009, the Board refunded the \$24,030,000 Sewerage Service Refunding Bond Anticipation Notes, Series 2006, using the proceeds of the \$23,375,000 Sewerage Service Revenue Bonds Series 2009 and \$2,161,565 of excess debt service reserve funds. The Series 2009 bonds are payable in installments beginning in 2010 through 2029. As part of the refunding, the Board paid \$1,172,452 of bond costs, which are amortizable through the date of maturity of the bonds. The bonds are secured by a pledge of revenues of the Sewerage Fund.

The indentures under which these bonds were issued provide for the establishment of restricted funds for debt service as follows:

1. Debt service funds are required for the payment of interest and principal on the revenue and tax bonds. Monthly deposits on revenue bonds, excluding bond anticipation notes, are required to be made into this fund from operations in an amount equal to 1/6 of the interest falling due on the next interest payment date, and an amount equal to 1/12 of the principal falling due on the next principal payment date. All debt service funds are administered by the Board of Liquidation. The required amount to be accumulated in this fund was \$7,659,179 and \$6,926,669 at December 31, 2009 and 2008, respectively; the accumulated balance at December 31, 2009 and 2008 was \$9,948,166 and \$9,821,453 respectively. Monthly deposits to the debt service funds were temporarily suspended due to debt service payments being paid directly by the State of Louisiana through a Cooperative Endeavor Agreement and resumed as of June 2008. See note (7) c. for additional information.
2. A debt service reserve is required for an amount equal to but not less than fifty percent of the amount required to be credited in said month to the debt service fund until there shall be accumulated in the debt service reserve account the largest amount required in any future calendar year to pay the principal and interest on outstanding bonds, except for the water and sewer bonds. The water bonds require an amount equal to the largest amount required in any future calendar year to pay the principal of and interest on outstanding bonds. There is no debt service reserve required for the 1998 and 2002 drainage 9 mill tax bonds. The sewer bonds require an amount equal to 125% of average aggregate debt service. The required amount to be accumulated in this fund was \$19,771,985 and \$22,289,918 at December 31, 2009 and 2008 respectively; the accumulated balance at December 31, 2009 and 2008 was \$20,092,504 and \$22,254,068, respectively.

The Board is in compliance with the requirements of its long-term debt agreements for the Water Department for the year ended December 31, 2009. The net operating revenues of the Water Department for the year ended December 31, 2008 did not meet the bond indenture required debt service coverage of 130 percent.

The net operating revenues of the Sewerage Department for the year ended December 31, 2009 did not meet the bond indenture required debt service coverage of 130 percent. The Board was in compliance with the requirements of its long-term debt agreements for the Sewerage Department for the year December 31, 2008.

SEWERAGE AND WATER BOARD OF NEW ORLEANS

NOTES TO FINANCIAL STATEMENTS

(Continued)

(7) Changes in Long-term Obligations (continued)

b. Special Community Disaster Loan Payable

During January 2006, the Board entered into a long-term agreement with the Federal Emergency Management Agency under the Community Disaster Loan Act of 2005 as a result of the major disaster declaration of August 29, 2005 for Hurricane Katrina. The Board made draw downs totaling \$61,956,747 as of December 31, 2009. The loan is for a term of five years, which may be extended, and shall bear interest at the latest five-year Treasury rate at the time of the closing date of the loan, plus one percent. Simple interest accrues from the date of each disbursement. Payments of principal and interest are deferred until the end of the five year period. As of December 31, 2009 and 2008, approximately \$5.8 million and \$4.1 million of interest was accrued, respectively. Interest rates and maturity dates for the draw downs are as follows:

<u>Maturity Date</u>	<u>Interest Rate</u>	<u>Principal</u>
January 23, 2011	2.66%	\$ 22,298,689
June 21, 2011	3.12%	6,013,905
August 27, 2011	2.93%	33,644,153
		<u>\$ 61,956,747</u>

Operating revenues are pledged as security for the loan. Debt service requirements relating to the loan due in 2011 include \$61,956,747 of principal and \$8,475,957 of interest.

The Board has submitted an application for forgiveness of the loan.

c. Debt Service Assistance

In July 2006, the Board and the State of Louisiana (the State) entered into a Cooperative Endeavor Agreement whereby the State agreed to lend up to \$77,465,247 from State funds on deposit in the Debt Service Assistance Fund, authorized by the Gulf Opportunity Zone Act of 2005 and Act 41 of the First Extraordinary Session of the Louisiana Legislature of 2006, to assist in payment of debt service requirements from 2006 through 2008 due to disruption of tax bases and revenue streams caused by Hurricanes Katrina and Rita. Draw downs on the loan will be made as debt service payments become due. No principal or interest shall be payable during the initial five year period of the loan. After the expiration of the initial five year period, the loan shall bear interest at a fixed rate of 4.64 percent. Principal payments on the bonds begin in July 2012 and the loan will mature in July 2026. Interest is payable semi-annually on January 15 and July 15 beginning January 2012. The loan may be prepaid without penalty or premium. The Board has the right to request one extension of its obligation to begin payments under the loan not to exceed five years. As of December 31, 2009 and 2008, the Board has drawn down \$77,460,393 on this agreement.

Debt service requirements relating to the bond are as follows:

<u>Years Ending June 30</u>	<u>Principal</u>	<u>Interest</u>	<u>Total</u>
2012	\$ 3,688,291	\$ 3,594,387	\$ 7,282,678
2013	3,859,428	3,423,251	7,282,679
2014	4,038,505	3,244,173	7,282,678
2015-2019	23,183,384	13,230,008	36,413,392
2020-2024	29,084,760	7,328,632	36,413,392
2025-2026	13,606,025	954,477	14,560,502
	<u>\$ 77,460,393</u>	<u>\$ 31,774,928</u>	<u>\$ 109,235,321</u>

SEWERAGE AND WATER BOARD OF NEW ORLEANS

NOTES TO FINANCIAL STATEMENTS

(Continued)

(8) Due to City of New Orleans

The Board bills and collects sanitation charges on behalf of the City of New Orleans (the City). The Board is not liable for any uncollected sanitation charges.

Additionally, amounts included in accounts payable due to the City were \$5,130,226 and \$2,763,866 at December 31, 2009 and December 31, 2008, respectively.

(9) Property Taxes

Property taxes are levied by the City of New Orleans. Taxes on real and personal property attach as an enforceable lien on the property as of January 1. Taxes are levied on January 1, are payable on January 1, and are delinquent on February 1.

The assessed value of the property is determined by an elected Board of Assessors. The assessed value for 2009 and 2008 was \$2,916,739,334 and \$2,836,995,254, respectively. The combined tax rate dedicated for the Board for the years ended December 31, 2009 and 2008 was \$16.03 and \$16.43, respectively, per \$1,000 of assessed valuation. These dedicated funds are available for operations, maintenance, construction and extension of the drainage system (except for subsurface systems).

(10) Commitments

a. Capital Improvements

At December 31, 2009, the Board's budget for its five year capital improvements program totaled \$2,924,297,000 including \$238,696,000 for water, \$426,504,000 for sewerage and \$2,259,097,000 for drainage.

Due to certain regulatory and legislative changes, additional capital improvements will probably be required. Future capital improvement program expenditures may require the issuance of additional debt depending on the amount and timing of expenditures. As of December 31, 2009, the Board has committed or appropriated \$84,040,831 in investments for use in future capital projects and has \$6,221,641 of bond proceeds remaining for construction. The capital project investments are included in restricted assets.

The capital improvements budget for 2010 is \$646,435,000 including \$304,957,000 for projects, which are expected to be funded by federal grants and programs. Significant projects included in property, plant and equipment in progress as of December 31, 2009 include the following:

Hurricane Katrina related Repairs and Replacement  
Southeast Louisiana Flood Control Program  
Sewer System Sanitation Evaluation and Rehabilitation Program  
Drainage Pumping Stations and Canals  
Eastbank Sewer Treatment Plant  
Westbank Sewer Treatment Plant

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**

**NOTES TO FINANCIAL STATEMENTS  
(Continued)**

(10) Commitments (continued)

b. Self-insurance

The Board is self-insured for general liability, workers' compensation, and hospitalization benefits and claims. Settled claims have not exceeded excess coverage in any of the past three fiscal years. Hospitalization benefits are charged to payroll related expense.

General liability claims are segregated internally by "claims" and "suits" depending on the scope and type of claim, and are handled by the Office of the Special Counsel and Administrative Services. Individual general liability losses have ranged from \$100 to \$7,500,000, illustrating the volatility of this exposure. The provision for claims expense for 2009 and 2008 amounted to \$4,115,223 and \$3,990,705, respectively.

Worker's compensation expense provision for 2009 and 2008 amounted to \$309,679 and \$1,530,333, respectively.

The hospitalization self-insurance benefits are administered by Blue Cross of Louisiana. The Board's expense provision in excess of employee contributions for 2009 and 2008 was approximately \$12,868,061 and \$11,871,000, respectively, and is included in payroll related expenses.

Changes in the claims payable amount are as follows<sup>5</sup> (health payments are reflected net):

<u>Fiscal Year</u>	<u>Beginning of Year</u>	<u>Current Year Claims and Estimate Change</u>	<u>Claim Payments</u>	<u>End of Year</u>
2009	\$ 23,126,865	\$ 8,336,589	\$ (10,859,663)	\$ 20,603,791
2008	28,980,804	11,361,649	(17,215,588)	23,126,865

The composition of claims payable is as follows:

	<u>2009</u>	<u>2008</u>
<b>Short-term:</b>		
Workers' Compensation	\$ 1,328,026	\$ 1,170,516
Health Insurance	2,046,601	2,144,600
General Liability	12,891,038	14,938,573
Total short-term	<u>16,265,665</u>	<u>18,253,689</u>
<b>Long-term:</b>		
Workers' Compensation	4,338,126	4,873,176
Total long-term	<u>4,338,126</u>	<u>4,873,176</u>
Total	<u>\$ 20,603,791</u>	<u>\$ 23,126,865</u>

SEWERAGE AND WATER BOARD OF NEW ORLEANS

NOTES TO FINANCIAL STATEMENTS

(Continued)

(10) Commitments (continued)

c. Regulatory Matters

The Board, as well as other utilities, is subject to environmental standards imposed by federal, state and local environmental laws and regulations. The Board has entered into a consent decree with the United States which allows the Board to go forward with its major program to repair and rehabilitate the sewerage system. The overall costs of the program are estimated at \$408.2 million over a period ending in 2015. The Board is in compliance with the decree.

The Board is also participating in Federal financial award programs which are subject to financial and compliance audits by various agencies. No disallowed costs have been identified. As part of Federal and other governmental agency funding, the Board is required to match a portion of funding received. The Board believes it has sufficient funds to meet its matching requirements.

d. Postemployment Healthcare Benefits

**Plan Description** – The Board’s postemployment benefit is a single-employer defined benefit plan. The Board’s post-employment medical benefits for retirees are provided through a self-insured medical plan and are made available to employees upon actual retirement.

The retirement eligibility (D.R.O.P. entry) provisions are as follows: 30 years of service at any age; age 62 and 10 years of service; age 65 and 5 years of service; age 70 regardless of service; or, if age plus service equals at least 80. Complete plan provisions are contained in the official plan documents. Currently, the Board provides post employment medical benefits to 584 retired employees.

**Contribution Rates** - Employees do not contribute to their post employment benefits costs until they become retirees and begin receiving those benefits. The plan provisions and contribution rates are contained in the official plan documents.

**Fund Policy** - Until 2007, the Board recognized the cost of providing post-employment medical benefits (the Board’s portion of the retiree medical benefit premiums) as an expense when the benefit premiums were due and thus financed the cost of the post-employment benefits on a pay-as-you-go basis. In 2009 and 2008, the Board’s portion of health care funding cost for retired employees totaled \$5,487,971 and \$5,673,616, respectively.

Effective January 1, 2007, the Board implemented Government Accounting Standards Board Statement Number 45, *Accounting and Financial Reporting by Employers for Post employment Benefits Other than Pensions* (GASB 45). This amount was applied toward the Net OPEB Benefit Obligation as shown in the following tables.

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**

**NOTES TO FINANCIAL STATEMENTS**

(Continued)

(10) Commitments (continued)

d. Postemployment Healthcare Benefits (continued)

Annual Required Contribution - The Board's Annual Required Contribution (ARC) is an amount actuarially determined in accordance with GASB 45. The ARC is the sum of the Normal Cost plus the contribution to amortize the Actuarial Accrued Liability (AAL). A level dollar, open amortization period of 30 years (the maximum amortization period allowed by GASB 43/45) has been used for the post-employment benefits. The actuarially computed ARC is as follows:

	2009	2008
Normal cost	\$ 4,395,288	\$ 4,013,401
30-year UAL amortization amount	10,650,824	10,291,219
Annual required contribution (ARC)	\$ 15,046,112	\$ 14,304,620

Net Post-employment Benefit Obligation - The table below shows the Board's Net Other Post-employment Benefit (OPEB) Obligation for fiscal years ending December 31:

	2009	2008
Beginning Net OPEB Obligation	\$ 15,186,702	\$ 6,674,710
Annual required contribution	15,046,112	14,304,620
Interest on Net OPEB Obligation	607,468	266,988
ARC Adjustment	(878,250)	(386,000)
OPEB Cost Contribution	14,775,330	14,185,608
Current year retiree premium	(5,487,971)	(5,673,616)
Change in Net OPEB Obligation	9,287,359	8,511,992
Ending Net OPEB Obligation	\$ 24,474,061	\$ 15,186,702

The following table shows the Board's annual post employment benefits (PEB) cost, percentage of the cost contributed, and the net unfunded post employment benefits (PEB) liability:

<u>Fiscal Year Ended</u>	<u>Annual OPEB Cost</u>	<u>Percentage of Annual Cost Contributed</u>	<u>Net PEB Liability (Asset)</u>
December 31, 2009	\$ 14,775,330	37.14%	\$ 24,474,061
December 31, 2008	14,185,608	40.00%	15,186,702

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**

**NOTES TO FINANCIAL STATEMENTS**

(Continued)

(10) Commitments (continued)

d. Postemployment Healthcare Benefits (continued)

Funded Status and Funding Progress - In 2009 and 2008, the Board made no contributions to its post employment benefits plan. The plan is not funded, has no assets, and hence has a funded ratio of zero. As of January 1, 2009, the most recent actuarial valuation, the Actuarial Accrued Liability (AAL) was \$184,174,734 which is defined as that portion, as determined by a particular actuarial cost method (the Board uses the Unit Credit Cost Method), of the actuarial present value of post employment plan benefits and expenses which is not provided by normal cost.

	<u>2009</u>		<u>2008</u>
Actuarial Accrued Liability (AAL)	\$ 184,174,734	\$	177,956,339
Actuarial Value of Plan Assets (AVP)	-		-
Unfunded Act. Accrued Liability (UAAL)	\$ 184,174,734	\$	177,956,339
Funded Ratio (AVP/AAL)	0.00%		0.00%
Covered Payroll (active plan members)	\$ 33,883,192	\$	29,466,571
UAAL as a percentage of covered payroll	543.56%		604.93%

Actuarial Methods and Assumptions - Actuarial valuations involve estimates of the value of reported amounts and assumptions about the probability of events far into the future. The actuarial valuation for post employment benefits includes estimates and assumptions regarding (1) turnover rate; (2) retirement rate; (3) health care cost trend rate; (4) mortality rate; (5) discount rate (investment return assumption); and (6) the period to which the costs apply (past, current, or future years of service by employees). Actuarially determined amounts are subject to continual revision as actual results are compared to past expectations and new estimates are made about the future.

The actuarial calculations are based on the types of benefits provided under the terms of the substantive plan (the plan as understood by the Board and its employee plan members) at the time of the valuation and on the pattern of sharing costs between the Board and its plan members to that point. The projection of benefits for financial reporting purposes does not explicitly incorporate the potential effects of legal or contractual funding limitations on the pattern of cost sharing between the Board and plan members in the future. Consistent with the long-term perspective of actuarial calculations, the actuarial methods and assumptions used include techniques that are designed to reduce short-term volatility in actuarial liabilities and the actuarial value of assets.

Actuarial Cost Method - The ARC is determined using the Unit Credit Cost Method. The employer portion of the cost for retiree medical care in each future year is determined by projecting the current cost levels using the healthcare cost trend rate and discounting this projected amount to the valuation date using the other described pertinent actuarial assumptions, including the investment return assumption (discount rate), mortality and turnover.

Actuarial Value of Plan Assets - There are not any plan assets. It is anticipated that in future valuations a smoothed market value consistent with Actuarial Standards Board ASOP 6, as provided in paragraph number 125 of GASB Statement 45.

SEWERAGE AND WATER BOARD OF NEW ORLEANS

NOTES TO FINANCIAL STATEMENTS

(Continued)

(10) Commitments (continued)

d. Postemployment Healthcare Benefits (continued)

Turnover Rate - An age-related turnover scale based on actual experience has been used. The rates, when applied to the active employee census, produce a composite average annual turnover of approximately 7%. In addition to age related turnover, it has additionally been assumed that 10% of future eligible retirees will decline coverage upon retirement. The rates for each age are below:

Age	Percent Turnover
18 - 25	10.0%
26 - 40	8.0%
41 - 54	5.0%
55+	4.0%

Post-employment Benefit Plan Eligibility Requirements - It is assumed that entitlement to benefits will commence five years after earliest eligibility for retirement (D.R.O.P. entry). The five years is to accommodate the anticipated period of the D.R.O.P. Also, if the initial eligibility for D.R.O.P. entry is prior to age 55, an additional one year delay has been assumed, and it has been assumed that members eligible for the "Rule of 80" retirement formula delay three years beyond that earliest retirement date. Medical benefits are provided to employees upon actual retirement. The retirement eligibility (D.R.O.P. entry) provisions are as follows: 30 years of service at any age; age 62 and 10 years of service; age 65 and 5 years of service; age 70 regardless of service; or, if age plus service equals at least 80. Entitlement to benefits continues through Medicare to death.

Investment Return Assumption (Discount Rate) - GASB Statement 45 states that the investment return assumption should be the estimated long-term investment yield on the investments that are expected to be used to finance the payment of benefits (that is, for a plan which is funded). Based on the assumption that the ARC will not be funded, a 4% annual investment return has been used in this valuation. This is a conservative estimate of the expected long term return of a balanced and conservative investment portfolio under professional management.

Health Care Cost Trend Rate - The expected rate of increase in medical cost is based on projections performed by the Office of the Actuary at the Centers for Medicare & Medicaid Services as published in National Health Care Expenditures Projections: 2003 to 2013, Table 3: National Health Expenditures, Aggregate and per Capita Amounts, Percent Distribution and Average Annual Percent Change by Source of Funds: Selected Calendar Years 1990-2013, released in January, 2004 by the Health Care Financing Administration ([www.cms.hhs.gov](http://www.cms.hhs.gov)). "State and Local" rates for 2008 through 2013 from this report were used, with rates beyond 2013 graduated down to an ultimate annual rate of 5.0% for 2016 and later.

Mortality Rate - The 1994 Group Annuity Reserving (94GAR) table, projected to 2002, based on a fixed blend of 50% of the unloaded male mortality rate and 50% of the unloaded female mortality rates, was used. This is the mortality table which the Internal Revenue Service requires to be used in determining the value of accrued benefits in defined benefit pension plans. Since GASB 45 requires the use of "unblended" rates, the 94GAR mortality table described above was used to "unblend" the rates so as to reproduce the composite blended rate overall as the rate structure to calculate the actuarial valuation results for life insurance.

SEWERAGE AND WATER BOARD OF NEW ORLEANS

NOTES TO FINANCIAL STATEMENTS  
(Continued)

(10) Commitments (continued)

d. Postemployment Healthcare Benefits (continued)

Method of Determining the Value of Benefits - The "value of benefits" has been assumed to be the portion of the premium after retirement date expected to be paid by the employer for each retiree and has been used as the basis for calculating the actuarial present value of OPEB benefits to be paid. The current premium schedules for active and retired are "unblended" rates, as required by GASB 45.

e. Southeast Louisiana Project

In 2009, the Coastal Protection and Restoration Authority of Louisiana entered into agreements (SELA PPA and SELA DPA) with the Department of the Army for the Southeast Louisiana, Louisiana Project in Jefferson and Orleans Parishes (the Project). The purpose of the Project is to provide flood damage reduction and interior drainage for Orleans and Jefferson Parishes in southeast Louisiana. The agreements set forth the obligations of the federal government and non-federal sponsors, including the Board, regarding the construction and the operation, maintenance, repair, rehabilitation, and replacement of the Project. For the projects, the federal government is liable for 65% of the project costs and the non-federal sponsors are liable for the remaining 35%. Under the agreement, the Department of the Army, subject to the availability of funds appropriated by the Congress of the United States, shall design and construct specified work at 100% federal expense. The Board will be allowed to defer payment of its required non-federal contribution of funds of 35% and to pay said contribution of funds with interest over a period of not more than 30 years from the date of completion of the project or separable element of the project. The interest rate to be used in computing the interest shall be determined by the Secretary of the Treasury, taking into consideration average market yields on outstanding marketable obligations of the United States with remaining periods of maturity comparable to the payment period during the month preceding the Government fiscal year in which the first federal construction contract for such separable element is awarded to the SELA PPA, plus a premium of one-eighth of one percentage point for transaction costs. As of December 31, 2009, the Board has not incurred a liability under the agreement.

(11) Deferred Compensation Plan

The Board offers its employees a deferred compensation plan created in accordance with Internal Revenue Code Section 457. This plan, available to all employees, permits them to defer a portion of their salary until future years. The deferred compensation is not available to employees until termination, retirement, death, or unforeseeable emergency. All amounts of compensation deferred under the plan, all property, and rights purchased with those amounts, and all income attributable to those amounts, property or rights are held in trust for the employees, therefore the assets of the plan are not included in these financial statements.

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**

**NOTES TO FINANCIAL STATEMENTS**

(Continued)

(12) Budgets

Operating and capital expenditure budgets are adopted by the Board on a basis consistent with accounting principles generally accepted in the United States. While not legally required, this budgetary information is employed as a management control device during the year. Comparison between actual and budgeted expenses is not a required presentation for an Enterprise Fund.

(13) Segment Information

The Board issued revenue bonds to finance its water and sewerage departments which operate the Board's water and sewerage treatment plants and distribution and collection systems. These bonds are accounted for in a single fund; however, investors in the revenue bonds rely solely on the revenue generated by the individual activities for repayment.

Summary financial information for these departments as of and for the years ended December 31 is as follows:

	<u>Condensed Statements of Net Assets</u>			
	<u>Water</u>		<u>Sewer</u>	
	<u>2009</u>	<u>2008</u>	<u>2009</u>	<u>2008</u>
	(amounts in thousands)			
<b>Assets:</b>				
Property, plant and equipment	\$ 299,330	\$ 289,624	\$ 667,273	\$ 618,416
Current unrestricted assets	5,084	980	57,426	53,642
Restricted assets	20,867	23,384	49,649	72,237
Other assets	181	470	1,915	1,021
<b>Total assets</b>	<b>\$ 325,462</b>	<b>\$ 314,458</b>	<b>\$ 776,263</b>	<b>\$ 745,316</b>
<b>Net assets:</b>				
Invested in capital assets, net of related debt	\$ 262,575	\$ 251,873	\$ 487,342	\$ 463,595
Restricted	(103,967)	(113,993)	(11,523)	(15,593)
<b>Total net assets</b>	<b>158,608</b>	<b>137,880</b>	<b>475,819</b>	<b>448,002</b>
<b>Liabilities:</b>				
Current	41,615	56,732	37,957	28,252
Current liabilities payable from restricted assets	8,973	7,834	12,774	36,294
Noncurrent liabilities	116,266	112,012	249,713	232,768
<b>Total liabilities</b>	<b>166,854</b>	<b>176,578</b>	<b>300,444</b>	<b>297,314</b>
<b>Total liabilities and net assets</b>	<b>\$ 325,462</b>	<b>\$ 314,458</b>	<b>\$ 776,263</b>	<b>\$ 745,316</b>

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**  
**NOTES TO FINANCIAL STATEMENTS**  
(Continued)

(13) Segment Information (continued)

Condensed Statements of Revenues, Expenses and Changes in Net Assets

	Water		Sewer	
	2009	2008	2009	2008
	(amounts in thousands)			
Service charges, pledged against bonds	\$ 52,641	\$ 45,266	\$ 66,734	\$ 62,461
Depreciation expense	(13,878)	(13,521)	(9,557)	(8,078)
Other operating expenses	(50,857)	(67,867)	(47,442)	(42,649)
Operating income	(12,094)	(36,122)	9,735	11,734
Nonoperating revenues (expenses):				
Investment earnings	117	410	293	987
Other	14,999	(1,464)	2,980	255
Capital contributions	17,706	(11,956)	14,809	(15,053)
Change in net assets	20,728	(49,132)	27,817	(2,077)
Beginning net assets	137,880	187,012	448,002	450,079
Ending net assets	\$ 158,608	\$ 137,880	\$ 475,819	\$ 448,002

Condensed Statements of Cash Flows

	Water		Sewer	
	2009	2008	2009	2008
	(amounts in thousands)			
Net cash provided by (used in):				
Operating activities	\$ 20,070	\$ (321)	\$ (342)	\$ 22,781
Noncapital financing activities	(1,332)	21,434	205	405
Capital and related financing activities	(14,115)	(8,231)	(45,344)	(25,707)
Investing activities	6,633	4,461	40,518	4,930
Net increase (decrease)	11,256	17,343	(4,963)	2,409
Cash and cash equivalents:				
Beginning of year	5,434	(11,909)	22,581	20,172
End of year	\$ 16,690	\$ 5,434	\$ 17,618	\$ 22,581

SEWERAGE AND WATER BOARD OF NEW ORLEANS

NOTES TO FINANCIAL STATEMENTS

(Continued)

(14) Natural Disaster

As of December 31, 2009 and 2008, the Board has cumulatively received \$169,320,233 and \$140,969,811, respectively, of cash reimbursements from the Federal Emergency Management Agency (FEMA). Included in accounts receivable as of December 31, 2009 and 2008 are \$34,670,897 and \$13,046,853, respectively, of reimbursements due from FEMA. In 2008, approximately \$48 million of receivables were written off as a result of expenses previously submitted to FEMA for reimbursement that are currently in dispute and subject to appeal or due to expenses that have been disallowed by FEMA. Eligible FEMA grants totaling in excess of \$297 million are in various stages of the approval process and include amounts for system repairs, building repairs, vehicle and equipment repairs and replacements, temporary power, supplies and other costs.

On June 29, 2007, the Board entered into a Cooperative Endeavor Agreement with the State of Louisiana, City of New Orleans, Louisiana, and the Louisiana Public Facilities Authority (LFPA). The LFPA agreed to issue its bonds to provide the cash capital investment to pay for capital improvements of the City of New Orleans and the Board. The establishment of the construction fund permits the Board and City of New Orleans to publicly bid contracts that are subject to a Project Worksheet that has been obligated by FEMA or for which an award letter has been received and encumber such amounts. The State of Louisiana, City of New Orleans, and Sewerage and Water Board agree that as FEMA pays any reimbursement amounts related to projects for which disbursements have been made, or the City or the Sewerage and Water Board receives monies related to the hazard mitigation grant program for which disbursements have been made from the construction fund, the full amount of such projects shall be deposited in the construction fund and used to fund additional projects until all City of New Orleans and Sewerage and Water Board improvements are completed. The total amount made available to the Board under the agreement was \$100,000,000. At December 31, 2009 and 2008, the Board had an outstanding obligation under the agreement of \$25,990,028 and \$7,831,591 included as a liability in due to other governments on the statements of net assets, which represent amounts not yet reimbursed by FEMA and deposited back into the construction fund.

In 2008, the Board received an excess payment of FEMA funds in the amount of \$21,097,027. This balance is included as a liability in due to other governments on the statements of net assets as of December 31, 2008. The Board paid \$18,098,192 to FEMA in 2009. As of December 31, 2009, the outstanding balance was \$2,998,835.

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**REQUIRED SUPPLEMENTARY INFORMATION  
(GASB STATEMENTS NO.25 AND NO.45)**

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**SEWERAGE AND WATER BOARD OF NEW ORLEANS**  
**Required Supplementary Information Under GASB Statement No. 25**  
**SCHEDULE OF FUNDING PROGRESS**  
**For the years ended December 31, 2009 and 2008**

Actuarial Valuation Date December 31	Actuarial Value of Assets	Actuarial Accrued Liability (AAL)	(Overfunded) Unfunded AAL	Funded Ratio	Covered Payroll (millions)	Unfunded AAL as a Percentage of payroll
2009	\$ 228,999,660	\$ 269,506,028	\$ 40,506,368	84.97%	30	135.26%
2008	222,598,640	260,616,822	38,018,182	85.41%	29	129.02%
2007	223,583,589	245,202,189	21,618,600	91.18%	27	81.44%
2006	217,274,416	235,664,407	18,389,991	92.20%	26	70.92%
2005	209,829,340	225,544,886	15,715,546	93.03%	30	52.30%
2004	204,706,452	218,155,395	13,448,943	93.84%	30	44.58%
2003	196,697,432	205,362,089	8,664,657	95.78%	28	30.46%
2002	187,892,716	197,323,094	8,664,657	95.22%	29	30.00%

**SCHEDULE OF EMPLOYER CONTRIBUTIONS**

Year Ended	Annual Required Contribution	Actual Contribution	Percentage Contribution
2009	\$ 7,591,507	\$ 5,247,031	69.12%
2008	7,146,647	4,915,512	68.78%
2007	4,598,587	3,885,124	84.49%
2006	4,073,502	3,343,713	82.08%
2005	4,702,354	3,716,381	79.03%
2004	4,271,797	3,721,034	87.11%
2003	3,193,339	3,391,537	106.21%
2002	3,190,707	2,931,065	91.86%

See accompanying notes to financial statements.

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**  
**Required Supplementary Information Under GASB Statement No. 45**  
**SCHEDULE OF FUNDING PROGRESS**  
**For the years ended December 31, 2009 and 2008**

Actuarial Valuation Date <u>December 31</u>	Actuarial Value of Assets	Actuarial Accrued Liability (AAL)	(Overfunded) Unfunded AAL	Funded Ratio	Covered Payroll (millions)	Unfunded AAL as a Percentage of payroll
2009	\$ -	\$ 184,174,734	\$ 184,174,734	0.00%	\$ 34	543.56%
2008	-	177,956,339	177,956,339	0.00%	29	603.93%
2007	-	147,995,856	147,995,856	0.00%	27	557.54%

**SCHEDULE OF EMPLOYER CONTRIBUTIONS**

Year Ended	Annual Required Contribution	Actual Contribution	Percentage Contribution
2009	\$ 14,775,330	\$ 5,487,971	37.14%
2008	14,185,608	5,673,616	40.00%
2007	12,818,364	6,143,654	47.93%

See accompanying notes to financial statements.

**SUPPLEMENTARY INFORMATION**

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SEWERAGE AND WATER BOARD OF NEW ORLEANS  
 SCHEDULE OF NET ASSETS BY DEPARTMENT  
 ENTERPRISE FUND

As of December 31, 2009 and 2008

	Water System		Sewerage System		Drainage System		Total
	2009	2008	2009	2008	2009	2008	
<b>ASSETS</b>							
<b>Noncurrent assets:</b>							
Property, plant and equipment	\$ 552,395,611	\$ 529,929,680	\$ 842,481,921	\$ 786,470,975	\$ 853,358,228	\$ 806,172,804	\$ 2,122,573,459
Less accumulated depreciation	293,065,301	240,306,194	175,208,513	168,054,495	215,569,604	204,407,382	612,768,071
	299,330,310	289,623,486	667,273,408	618,416,480	637,788,624	601,765,422	1,509,805,388
Other assets:							
Bond issue costs	158,110	175,147	1,896,289	836,099	66,562	80,180	1,091,426
Deposits	22,950	22,950	17,965	17,965	10,400	10,400	51,315
Net pension asset		272,170		166,636		116,645	555,451
	181,060	470,267	1,914,254	1,020,700	78,962	207,225	1,698,192
<b>Total noncurrent assets</b>	<b>299,511,370</b>	<b>290,933,753</b>	<b>669,187,662</b>	<b>619,437,180</b>	<b>637,867,586</b>	<b>601,972,647</b>	<b>1,511,503,280</b>
<b>Current assets:</b>							
Unrestricted:							
Cash	13,590,311	5,094,327	(260,693)	22,114,150	7,820,300	7,379,779	34,588,256
Accounts receivable:	5,077,203	5,072,756	2,574,849	2,279,211	11,676,566	10,323,398	7,301,967
Customers, net of allowance					13,893	224,684	10,323,398
Taxes	18,479	63,752	9,829	33,882	5,078,517	42,201	322,318
Interest	16,197,627	6,225,456	16,846,547	4,343,628	1,072,243	2,547,769	13,116,853
Grants	3,466,700	3,197,381	254,188	198,957		1,640,510	5,036,848
Miscellaneous		58,950		42,984		20,878	122,812
Due from City of New Orleans, current	(41,416,995)	(28,543,708)	34,449,158	21,398,449	7,015,086	7,436,037	290,778
Due from (to) other internal departments	7,739,812	9,164,970	3,345,439	2,689,543	1,491,013	1,033,340	12,887,851
Inventory of supplies	410,698	695,617	256,116	541,036	24,244	309,163	1,545,816
Prepaid expenses	5,083,835	979,501	57,425,433	53,641,838	34,200,562	30,915,558	85,556,897
<b>Total unrestricted</b>	<b>71,711,257</b>	<b>9,829,833</b>	<b>17,843,094</b>	<b>2,119,679</b>	<b>55,580,401</b>	<b>55,832,183</b>	<b>67,781,695</b>
Restricted assets:							
Capital projects	283,638	1,347,928	4,987,779	41,297,608	950,224	11,561,140	54,206,676
Construction funds	5,034,817	5,029,085	25,005,853	27,046,436		30,040,670	32,075,521
Debit services reserve	6,530,885	5,390,167	1,733,737	1,694,334	1,732,617	1,693,239	5,590,167
Customer deposits	1,732,616	1,693,239	79,000	79,000	39,000	39,000	5,080,812
Health insurance reserve	94,000	94,000	49,649,463	72,237,057	58,302,242	69,125,562	164,746,871
Other	20,867,213	23,384,252	107,074,896	123,878,895	92,501,904	100,041,120	250,283,768
<b>Total restricted</b>	<b>25,951,048</b>	<b>24,363,743</b>	<b>776,262,558</b>	<b>745,316,075</b>	<b>730,370,490</b>	<b>702,013,757</b>	<b>1,761,787,348</b>
<b>Total current assets</b>	<b>\$ 325,462,418</b>	<b>\$ 314,457,506</b>	<b>\$ 776,262,558</b>	<b>\$ 745,316,075</b>	<b>\$ 730,370,490</b>	<b>\$ 702,013,757</b>	<b>\$ 1,852,093,466</b>

(Continued)

SEWERAGE AND WATER BOARD OF NEW ORLEANS  
 SCHEDULE OF NET ASSETS BY DEPARTMENT, CONTINUED  
 ENTERPRISE FUND

As of December 31, 2009 and 2008

	Water System		Sewerage System		Drainage System		Total	
	2009	2008	2009	2008	2009	2008	2009	2008
<b>NET ASSETS AND LIABILITIES</b>								
Net assets:								
Invested in capital assets - net of related debt	\$ 262,573,036	\$ 251,873,548	\$ 487,341,579	\$ 463,595,052	\$ 617,213,848	\$ 590,616,562	\$ 1,367,130,463	\$ 1,306,085,162
Restricted for:								
Debt service	5,034,817	5,029,085	25,005,853	27,046,436	-	-	30,040,670	32,075,521
Capital Projects	(109,001,937)	(119,023,335)	(36,529,506)	(42,639,491)	54,926,911	59,036,499	(90,604,532)	(102,625,227)
Total net assets	158,607,916	137,880,298	475,817,926	448,001,997	672,140,759	649,653,061	1,306,566,601	1,235,535,356
Long-term liabilities:								
Claims payable	1,446,042	1,624,392	1,446,042	1,624,392	1,446,042	1,624,392	4,338,126	4,873,176
Net pension obligation	533,390	-	668,336	-	688,916	-	1,885,642	-
Other postretirement benefits liability	10,598,186	7,441,484	7,620,839	4,556,010	6,254,036	3,189,208	24,474,061	15,186,702
Bonds payable (net of current maturities)	34,923,912	37,077,866	173,664,608	162,041,557	20,290,000	21,525,000	228,878,520	220,644,423
Special Community Disaster loan payable	61,956,747	61,956,747	61,956,747	61,956,747	-	-	61,956,747	61,956,747
Debt Service Assistance Fund loan payable	6,807,041	6,807,041	66,318,237	66,318,237	4,335,115	4,335,115	77,460,393	77,460,393
Total long-term liabilities	116,266,318	114,907,530	249,713,662	234,540,196	33,014,109	30,673,715	398,993,489	380,121,441
Current liabilities (payable from current assets):								
Accounts payable	14,851,202	12,412,668	14,959,214	16,798,006	9,474,132	6,837,917	39,284,548	36,048,591
Due to City of New Orleans	106,332	151,333	14,953,359	1,784,936	2,258,654	916,630	106,332	151,333
Due to other governments	11,776,851	26,227,053	988,152	1,035,182	151,057	523,744	28,988,864	28,978,619
Rebates and estimates payable	384,234	694,750	13,376	20,767	16,284	25,281	1,323,443	2,233,676
Due to other fund	28,498	44,242	229,436	285,071	322,157	295,437	58,158	90,290
Accrued salaries	543,060	721,176	3,260,370	2,940,358	2,498,951	1,686,138	1,096,653	1,301,684
Accrued vacation and sick pay	4,288,592	4,808,613	3,553,286	3,615,217	8,955,829	10,011,605	10,048,113	9,435,109
Claims payable	3,756,550	4,626,867	3,756,550	3,756,550	-	-	16,265,665	18,233,689
Other liabilities	5,877,666	4,149,709	37,937,393	26,479,257	23,677,064	20,296,752	5,877,666	4,149,709
Total current liabilities	41,674,985	53,836,411	106,444,632	106,444,632	70,296,442	70,296,442	103,269,442	100,612,700
Current liabilities (payable from restricted assets):								
Accrued interest	147,606	154,071	766,896	794,229	78,978	84,216	993,480	1,032,516
Bonds payable	2,115,000	2,020,000	11,255,000	34,077,479	1,235,000	1,185,000	14,603,000	37,282,479
Rebates and estimates payable	159,708	269,029	752,281	1,422,637	224,580	121,023	1,136,469	1,812,689
Customer deposits	6,550,885	5,390,167	12,774,177	36,294,345	1,538,558	1,390,239	6,550,885	5,390,167
Total current liabilities	8,973,199	7,833,267	23,326,360	78,873,690	2,586,246	2,680,528	23,285,934	45,517,851
Total current liabilities	50,648,184	61,669,678	129,770,992	185,318,322	72,882,652	72,976,970	126,555,376	146,130,551
Total liabilities	166,884,502	176,577,208	300,444,632	297,314,078	58,229,731	52,360,706	525,528,865	526,251,992
Total fund equity and liabilities	\$ 325,462,418	\$ 314,457,506	\$ 776,262,558	\$ 745,316,075	\$ 730,370,490	\$ 702,013,767	\$ 1,832,095,466	\$ 1,761,787,348

See independent auditors' report.

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**  
**SCHEDULE OF REVENUES, EXPENSES AND CHANGES IN NET ASSETS BY DEPARTMENT**  
**ENTERPRISE FUND**

For the years ended December 31, 2009 and 2008

	Water System		Sewerage System		Drainage System		Total	
	2009	2008	2009	2008	2009	2008	2009	2008
<b>Operating revenues:</b>								
Sales of water and delinquent fees	\$ 50,677,054	\$ 43,995,732	\$ -	\$ -	\$ -	\$ -	\$ 50,677,054	\$ 43,995,732
Sewerage service charges	242,224	295,302	66,102,946	61,877,246	-	-	66,102,946	61,877,246
Plumbing inspection and license fees	1,721,396	974,577	242,224	295,302	-	-	484,448	590,604
Other revenues	52,640,674	45,265,611	388,528	288,678	1,704,640	1,224,731	3,814,564	2,487,986
<b>Total operating revenues</b>	<b>106,681,348</b>	<b>90,541,262</b>	<b>66,733,698</b>	<b>62,461,226</b>	<b>1,704,640</b>	<b>1,224,731</b>	<b>121,079,012</b>	<b>108,951,568</b>
<b>Operating Expenses:</b>								
Power and pumping	4,457,971	4,645,590	2,768,054	3,366,269	5,724,763	6,166,782	12,950,788	14,178,641
Treatment	7,526,530	8,261,994	12,384,027	9,981,788	-	-	19,910,557	18,243,782
Transmission and distribution	9,426,312	10,286,261	8,447,246	6,585,318	3,592,965	2,122,630	21,466,523	18,994,209
Customer accounts	1,511,063	1,359,800	1,511,058	1,359,794	22,815	-	3,044,936	2,719,594
Customer service	1,708,621	1,661,850	1,708,618	1,661,846	-	-	3,417,239	3,323,696
Administration and general	1,138,508	7,407,820	8,078,648	4,987,174	4,286,869	2,778,196	13,504,125	15,173,190
Payroll related	12,957,965	15,704,198	11,482,112	9,470,315	10,645,876	6,375,109	35,085,953	31,549,622
Maintenance of general plant	13,162,691	17,451,416	3,021,997	4,954,845	8,644,214	11,048,813	24,828,902	33,455,074
Depreciation	13,877,859	13,521,186	9,557,125	8,077,769	11,257,644	9,947,063	34,692,628	31,546,018
Amortization	17,037	17,038	112,261	129,362	11,619	11,619	140,917	158,019
Provision for doubtful accounts	(1,143,599)	860,742	(2,550,372)	384,119	-	-	(3,693,971)	1,244,861
Provision for claims	94,108	210,155	478,112	(231,762)	(513,360)	609,072	58,860	587,465
<b>Total operating expenses</b>	<b>64,735,166</b>	<b>81,388,050</b>	<b>56,998,886</b>	<b>50,726,837</b>	<b>43,673,405</b>	<b>39,059,284</b>	<b>165,407,457</b>	<b>171,174,171</b>
<b>Operating income (loss)</b>	<b>(42,053,818)</b>	<b>(90,846,788)</b>	<b>9,734,812</b>	<b>11,734,389</b>	<b>(41,968,765)</b>	<b>(37,834,553)</b>	<b>(44,328,445)</b>	<b>(62,222,603)</b>
<b>Non-operating revenues (expenses):</b>								
Three-mill tax	-	-	-	-	10,302,545	11,294,822	10,302,545	11,294,822
Six-mill tax	-	-	-	-	10,410,524	11,406,361	10,410,524	11,406,361
Nine-mill tax	-	-	-	-	15,485,030	17,001,253	15,485,030	17,001,253
Other taxes	165,098	229,502	205,908	286,233	-	-	371,006	515,735
Operating and maintenance grants	16,600,790	(4,912)	2,772,395	25	-	14	19,373,185	(3,973)
Interest income	117,037	410,259	293,598	986,626	475,088	2,148,679	885,723	3,545,564
Interest expense	(1,766,553)	(1,689,146)	-	(30,602)	-	(282)	(1,766,553)	(1,720,030)
<b>Total non-operating revenues (expenses)</b>	<b>15,116,372</b>	<b>(1,053,397)</b>	<b>3,271,901</b>	<b>1,242,282</b>	<b>36,673,187</b>	<b>41,850,847</b>	<b>55,061,460</b>	<b>42,039,732</b>
<b>Income before capital contributions</b>	<b>(26,937,446)</b>	<b>(79,112,407)</b>	<b>13,006,713</b>	<b>12,976,671</b>	<b>(5,295,578)</b>	<b>4,016,295</b>	<b>10,733,015</b>	<b>(20,182,871)</b>
<b>Capital contributions</b>	<b>17,705,738</b>	<b>(11,955,899)</b>	<b>14,809,216</b>	<b>(15,053,243)</b>	<b>27,783,276</b>	<b>(2,922,465)</b>	<b>60,298,230</b>	<b>(29,931,607)</b>
<b>Change in net assets</b>	<b>20,727,616</b>	<b>(49,131,735)</b>	<b>27,815,929</b>	<b>(2,076,576)</b>	<b>22,487,698</b>	<b>1,093,830</b>	<b>71,031,245</b>	<b>(50,114,478)</b>
<b>Net assets, beginning of year</b>	<b>137,880,298</b>	<b>187,012,033</b>	<b>448,001,997</b>	<b>450,078,573</b>	<b>649,653,061</b>	<b>648,559,261</b>	<b>1,235,535,356</b>	<b>1,285,649,837</b>
<b>Net assets, end of year</b>	<b>\$ 158,607,916</b>	<b>\$ 137,880,298</b>	<b>\$ 475,817,926</b>	<b>\$ 448,001,997</b>	<b>\$ 672,140,759</b>	<b>\$ 649,653,061</b>	<b>\$ 1,306,566,601</b>	<b>\$ 1,235,535,359</b>

See independent auditors' report.

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**  
**SCHEDULE OF PROPERTY, PLANT, AND EQUIPMENT BY DEPARTMENT**  
**For Year Ended December 31, 2009**

	Water	Sewer	Drainage	Total
Real estate rights, non depreciable	\$ 2,898,138	\$ 953,472	\$ 4,810,948	\$ 8,672,558
Power and pumping stations - buildings	57,740,918	37,303,566	229,709,211	324,753,695
Power and pumping stations - machinery	113,776,934	29,875,339	98,761,538	242,413,811
Distribution systems	123,973,792	-	-	123,973,792
Sewerage collection	-	305,592,751	-	305,592,751
Canals and subsurface drainage	-	-	310,073,401	310,073,401
Treatment plants	-	135,915,592	-	135,915,592
Connections and meters	33,214,620	12,088,929	-	45,303,549
Power transmission	7,479,863	5,006,170	11,121,635	23,607,668
General plant	91,166,878	60,734,134	49,531,490	201,432,502
General buildings	2,525,548	1,093,325	3,967,674	7,586,547
<b>Total property, plant and equipment in service</b>	<b>432,776,691</b>	<b>588,573,278</b>	<b>707,975,897</b>	<b>1,729,325,866</b>
Construction in progress	119,618,920	253,908,643	145,382,331	518,909,894
<b>Total property, plant and equipment</b>	<b>552,395,611</b>	<b>842,481,921</b>	<b>853,358,228</b>	<b>2,248,235,760</b>
Accumulated depreciation	253,065,301	175,208,513	215,569,604	643,843,418
<b>Net property, plant and equipment</b>	<b>\$ 299,330,310</b>	<b>\$ 667,273,408</b>	<b>\$ 637,788,624</b>	<b>\$ 1,604,392,342</b>

	2008			
	Water	Sewer	Drainage	Total
Real estate rights, non depreciable	\$ 2,898,138	\$ 930,439	\$ 4,810,948	\$ 8,639,525
Power and pumping stations - buildings	56,724,971	29,675,231	207,242,239	293,642,441
Power and pumping stations - machinery	111,389,487	28,330,218	95,113,596	234,833,301
Distribution systems	121,666,788	-	-	121,666,788
Sewerage collection	-	253,843,280	-	253,843,280
Canals and subsurface drainage	-	-	281,960,990	281,960,990
Treatment plants	-	120,712,279	-	120,712,279
Connections and meters	32,006,706	10,270,223	-	42,276,929
Power transmission	7,479,863	5,006,170	11,121,635	23,607,668
General plant	88,536,884	57,330,449	43,847,285	189,714,618
General buildings	2,525,548	1,093,325	3,967,674	7,586,547
<b>Total property, plant and equipment in service</b>	<b>423,228,385</b>	<b>507,191,614</b>	<b>648,064,367</b>	<b>1,578,484,366</b>
Construction in progress	106,701,295	279,279,361	158,108,437	544,089,093
<b>Total property, plant and equipment</b>	<b>529,929,680</b>	<b>786,470,975</b>	<b>806,172,804</b>	<b>2,122,573,459</b>
Accumulated depreciation	240,306,194	168,054,495	204,407,382	612,768,071
<b>Net property, plant and equipment</b>	<b>\$ 289,623,486</b>	<b>\$ 618,416,480</b>	<b>\$ 601,765,422</b>	<b>\$ 1,509,805,388</b>

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SEWERAGE AND WATER BOARD OF NEW ORLEANS  
 SCHEDULE OF BONDS PAYABLE  
 DECEMBER 31, 2009

	Annual Interest Rates	Interest Payment Dates	Final Maturity Date	Issue Date	Outstanding as of 12/31/2008	New Debt in 2009	Payments in 2009	Outstanding as of 12/31/2009
Drainage System Bonds, 1998 (9-Mills)	4.86%	(6/1;12/1)	12/01/18	12/01/98	\$ 6,175,000	\$ -	\$ 500,000	\$ 5,675,000
Drainage System Bonds, 2002 (9-Mills)	4.46%	(6/1;12/1)	12/01/22	10/01/02	16,535,000	-	685,000	15,850,000
					<u>22,710,000</u>	<u>-</u>	<u>1,185,000</u>	<u>21,525,000</u>
Sewer Revenue Bonds, 1997	5.36%	(6/1;12/1)	06/01/17	06/01/97	17,685,000	-	1,570,000	16,115,000
Sewer Revenue Bonds, 1998	4.82%	(6/1;12/1)	06/01/18	12/01/98	15,625,000	-	1,265,000	14,360,000
Sewer Revenue Bonds, 2000	5.48%	(6/1;12/1)	06/01/20	05/01/00	19,585,000	-	1,160,000	18,425,000
Sewer Revenue Bonds, 2000-B	5.43%	(6/1;12/1)	06/01/20	11/01/00	14,905,000	-	895,000	14,010,000
Sewer Revenue Bonds, 2001	5.02%	(6/1;12/1)	06/01/21	12/01/01	24,435,000	-	1,420,000	23,015,000
Sewer Revenue Bonds, 2002	4.36%	(6/1;12/1)	06/01/22	12/01/02	45,740,000	-	2,255,000	43,485,000
Sewer Revenue Bonds, 2003	3.94%	(6/1;12/1)	06/01/23	12/03/03	4,490,000	-	230,000	4,260,000
Sewer Revenue Bonds, 2004	4.26%	(6/1;12/1)	06/01/24	12/01/04	28,280,000	-	1,270,000	27,010,000
Sewer Revenue Bond Anticipation Notes, 2005	5.15%	(6/1;12/1)	07/15/09	07/24/06	24,030,000	-	24,030,000	-
Sewer Revenue Bonds, 2009	6.88%	(6/1;12/1)	06/01/29	12/01/09	-	23,375,000	-	23,375,000
					<u>194,775,000</u>	<u>23,375,000</u>	<u>34,095,000</u>	<u>184,055,000</u>
Water Revenue Bonds, 1998	4.82%	(6/1;12/1)	12/01/18	12/01/98	10,000,000	-	810,000	9,190,000
Water Revenue Bonds, 2002	4.57%	(6/1;12/1)	12/01/22	10/01/02	28,775,000	-	1,210,000	27,560,000
					<u>38,770,000</u>	<u>-</u>	<u>2,020,000</u>	<u>36,750,000</u>
<b>TOTAL</b>					<u>\$ 256,255,000</u>	<u>\$ 23,375,000</u>	<u>\$ 37,300,000</u>	<u>\$ 242,330,000</u>

See independent auditors' report.

**SEWERAGE AND WATER BOARD OF NEW ORLEANS  
SCHEDULE OF CASH RECEIPTS AND DISBURSEMENTS  
DEBT SERVICE AND DEBT SERVICE RESERVE  
REQUIRED BY BOND RESOLUTION  
For the year ended December 31, 2009**

	Debt Service Account				Debt Service Reserve Accounts		
	Water Revenue Bonds	Sewer Revenue Bonds	Drainage Revenue Bonds	Total	Water Revenue Bonds	Sewer Revenue Bonds	Total
Cash and investments at beginning of year	\$ 1,100,705	\$ 8,720,748	\$ -	\$ 9,821,453	\$ 3,928,380	\$ 16,164,124	\$ 22,254,068
Cash receipts:							
Transfers from operating cash and debt service reserve	3,936,597	44,662,667	2,195,589	50,794,853	-	-	-
Total cash and investments	5,037,302	53,383,415	2,195,589	60,616,306	3,928,380	16,164,124	22,254,068
Cash disbursements:							
Principal and interest payments, cost of issuance and transfers	3,930,865	44,541,686	2,195,589	50,668,140	-	-	-
Total cash disbursements	3,930,865	44,541,686	2,195,589	50,668,140	-	-	-
Cash and investments at end of year	\$ 1,106,437	\$ 8,841,729	\$ -	\$ 9,948,166	\$ 3,928,380	\$ 16,164,124	\$ 22,254,068

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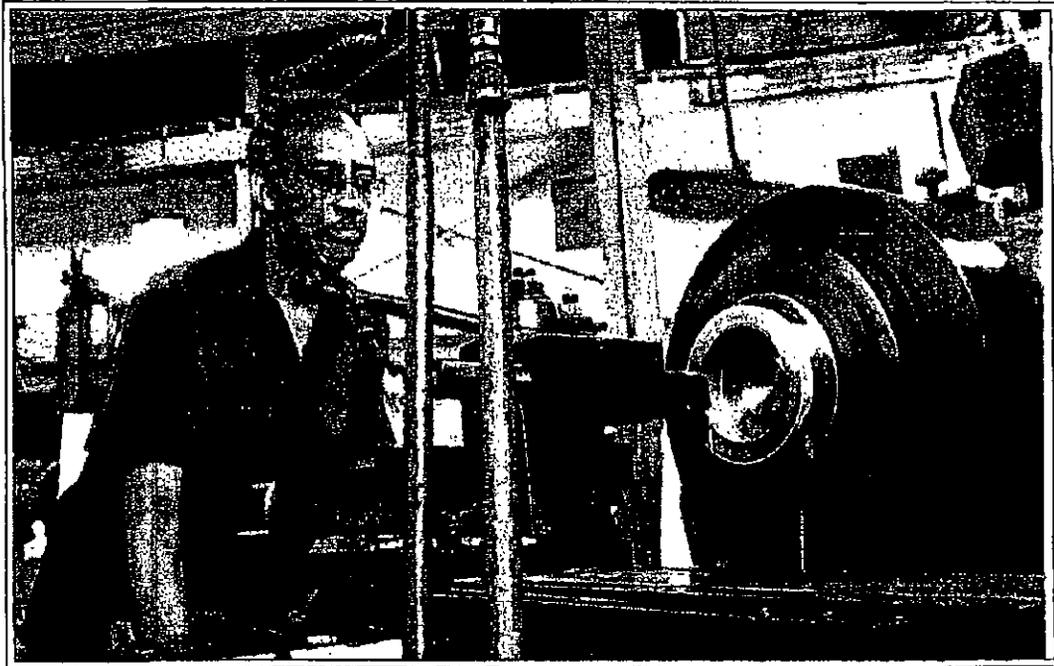
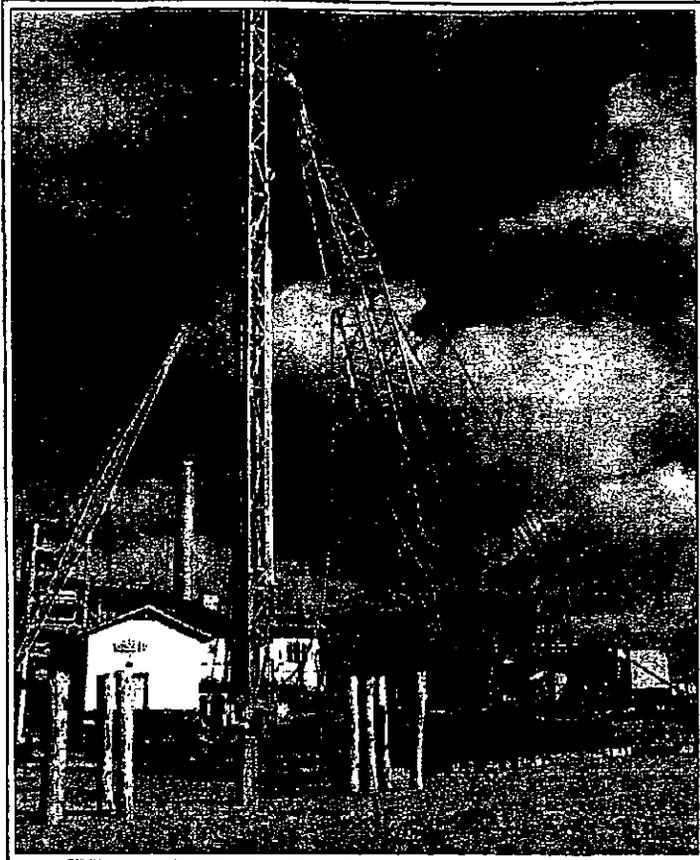
**SEWERAGE AND WATER BOARD OF NEW ORLEANS**  
**CHANGES IN SELF-INSURANCE LIABILITIES BY DEPARTMENT**  
**FOR THE YEAR ENDED DECEMBER 31, 2009**

	Beginning of Year	Current Year Claims and Estimate Change	Payments	End of Year
<b><u>WATER</u></b>				
Short-term:				
Workers' compensation	\$ 390,172	\$ 281,576	\$ 229,073	\$ 442,675
Health insurance	1,050,854	4,726,452	5,101,927	675,379
General liability	3,185,841	(397,345)	150,000	2,638,496
Total short-term	<u>4,626,867</u>	<u>4,610,683</u>	<u>5,481,000</u>	<u>3,756,550</u>
Long-term:				
Workers' compensation	1,624,392	(178,350)	-	1,446,042
General liability	-	-	-	-
Total long-term	<u>1,624,392</u>	<u>(178,350)</u>	<u>-</u>	<u>1,446,042</u>
Total	<u>\$ 6,251,259</u>	<u>\$ 4,432,333</u>	<u>\$ 5,481,000</u>	<u>\$ 5,202,592</u>
<b><u>SEWERAGE</u></b>				
Short-term:				
Workers' compensation	\$ 390,172	\$ 281,577	\$ 229,074	\$ 442,675
Health insurance	621,934	3,224,367	3,150,456	695,845
General liability	2,603,111	(38,345)	150,000	2,414,766
Total short-term	<u>3,615,217</u>	<u>3,467,599</u>	<u>3,529,530</u>	<u>3,553,286</u>
Long-term:				
Workers' compensation	1,624,392	(178,350)	-	1,446,042
General liability	-	-	-	-
Total long-term	<u>1,624,392</u>	<u>(178,350)</u>	<u>-</u>	<u>1,446,042</u>
Total	<u>\$ 5,239,609</u>	<u>\$ 3,289,249</u>	<u>\$ 3,529,530</u>	<u>\$ 4,999,328</u>
<b><u>DRAINAGE</u></b>				
Short-term:				
Workers' compensation	\$ 390,172	\$ 281,576	\$ 229,072	\$ 442,676
Health insurance	471,812	2,218,525	2,014,960	675,377
General liability	9,149,621	(1,706,745)	(394,900)	7,837,776
Total short-term	<u>10,011,605</u>	<u>793,356</u>	<u>1,849,132</u>	<u>8,955,829</u>
Long-term:				
Workers' compensation	1,624,392	(178,350)	-	1,446,042
Total long-term	<u>1,624,392</u>	<u>(178,350)</u>	<u>-</u>	<u>1,446,042</u>
Total	<u>\$ 11,635,997</u>	<u>\$ 615,006</u>	<u>\$ 1,849,132</u>	<u>\$ 10,401,871</u>
<b><u>TOTAL</u></b>				
Short-term:				
Workers' compensation	\$ 1,170,516	\$ 844,729	\$ 687,219	\$ 1,328,026
Health insurance	2,144,600	10,169,344	10,267,343	2,046,601
General liability	14,938,573	(2,142,435)	(94,900)	12,891,038
Total short-term	<u>18,253,689</u>	<u>8,871,638</u>	<u>10,859,662</u>	<u>16,265,665</u>
Long-term:				
Workers' compensation	4,873,176	(535,050)	-	4,338,126
General liability	-	-	-	-
Total long-term	<u>4,873,176</u>	<u>(535,050)</u>	<u>-</u>	<u>4,338,126</u>
Total	<u>\$ 23,126,865</u>	<u>\$ 8,336,588</u>	<u>\$ 10,859,662</u>	<u>\$ 20,603,791</u>

See independent auditors' report.

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The Sewerage & Water Board has begun construction to install a 15-megawatt generator, which will give the Board's Division of Pumping and Power the capability to improve the operation of the pumping system in emergencies. The generator, the size of a locomotive, would be put into service if commercial power would fail or become unavailable, or if the Board's own power generation system would go out of service. The \$3.5 million project is funded 100% by the U. S. Army Corps of Engineers as part of a storm-proofing project for Orleans Parish and will greatly enhance pumping and power operations. The generator, to be located on the grounds of the Carrollton Water Purification Plant, is scheduled for completion in October of 2011.



The Board's Machine and Welding Shop, a part of the Facilities Maintenance Department, can fabricate parts as small as a screw or as large as an impeller for the Board's drainage pumps to exacting specifications. With this capability, the shop can supply in-house manufactured parts (no longer available commercially) to employees in the field, enabling them to restore service to customers in record time. The shop's team takes pride in its ability to manufacture parts no longer available "off the shelf" for the many unique pumps, valves and equipment used throughout the water, sewerage and drainage systems.

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**  
**NET ASSETS BY COMPONENT**

Last Nine Fiscal Years  
(Unaudited - accrual basis of accounting)

	Year								
	2009	2008	2007	2006	2005	2004	2003	2002	2001
<b>Business-type activities</b>									
Invested in capital assets -									
net of related debt	\$ 1,367,150,463	\$ 1,306,085,162	\$ 1,265,078,240	\$ 1,191,197,682	\$ 1,092,139,700	\$ 1,085,354,440	\$ 1,041,213,409	\$ 967,763,495	\$ 948,808,901
<b>Restricted For:</b>									
Debt service	30,040,670	32,075,521	27,986,164	26,803,911	21,768,747	28,817,876	25,349,292	23,291,960	17,405,879
Capital projects	(90,604,532)	(102,625,327)	(7,414,567)	3,614,224	41,752,104	65,900,450	70,994,095	76,158,913	54,207,715
Total restricted for net assets	(60,563,862)	(70,549,806)	20,571,597	30,418,135	63,520,851	94,718,326	96,343,387	99,450,873	71,613,594
Total business-type activities net assets	\$ 1,306,586,601	\$ 1,235,535,356	\$ 1,285,649,837	\$ 1,221,615,817	\$ 1,155,660,551	\$ 1,180,072,766	\$ 1,137,556,796	\$ 1,067,214,369	\$ 1,020,422,495

Source: Audited Comprehensive Annual Financial Reports - Information available for nine years

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**  
**CHANGES IN NET ASSETS BY COMPONENT**

Last Nine Fiscal Years

(Unaudited - accrual basis of accounting)

	2009	2008	2007	2006	2005	2004	2003	2002	2001
<b>Operating revenues:</b>									
Sales of water and delinquent fees	\$ 90,677,094	\$ 43,995,732	\$ 37,795,522	\$ 33,799,760	\$ 38,777,266	\$ 54,324,144	\$ 54,997,831	\$ 53,413,048	\$ 51,871,210
Sewerage service charges	66,102,946	61,877,246	68,304,547	62,657,636	57,329,963	72,352,114	62,321,695	59,453,291	49,302,683
Plumbing inspection and license fees	484,448	590,604	542,340	590,242	173,260	233,147	215,642	219,370	213,816
Other revenues	3,814,564	2,487,983	2,927,070	3,250,683	3,171,702	3,943,668	2,095,805	1,814,951	2,349,046
<b>Total operating revenues</b>	<b>121,079,012</b>	<b>108,951,565</b>	<b>109,569,479</b>	<b>100,338,321</b>	<b>99,404,192</b>	<b>130,643,273</b>	<b>119,637,973</b>	<b>108,902,660</b>	<b>103,736,773</b>
<b>Operating Expenses:</b>									
Power and pumping	12,950,788	14,178,641	13,041,954	11,576,640	11,818,104	22,334,434	19,339,095	16,253,368	19,886,007
Treatment	19,910,457	18,243,782	16,280,975	13,518,870	13,736,515	17,131,922	17,075,547	15,515,582	15,749,585
Transmission and distribution	21,466,523	18,994,209	19,832,226	13,845,793	18,432,531	20,846,681	20,324,308	18,233,083	17,517,122
Customer accounts	3,044,936	2,719,594	2,290,092	1,910,612	2,413,631	2,625,751	2,513,486	2,384,744	2,771,669
Customer service	3,417,239	3,323,698	2,670,145	2,263,250	2,645,604	2,855,531	2,821,025	2,731,763	2,687,794
Administration and general	13,204,125	15,173,190	14,899,028	13,171,644	12,190,775	14,978,964	12,534,252	14,463,064	14,593,402
Payroll related	35,085,953	31,549,622	28,259,815	17,914,694	19,780,248	18,794,864	16,697,287	16,073,673	14,368,516
Maintenance of general plant	24,828,902	33,455,074	26,993,626	23,344,667	27,991,450	10,764,556	10,563,936	10,020,846	9,824,994
Depreciation	34,692,628	31,346,017	25,377,733	28,703,469	39,187,670	38,600,928	35,480,955	34,551,459	34,378,383
Amortization	140,917	159,019	158,019	208,045	360,445	293,156	188,128	130,304	124,473
Provision for doubtful accounts	(3,693,971)	1,244,862	12,613,283	22,355,906	6,382,465	2,718,176	1,884,751	1,842,958	1,661,267
Provision for claims	58,860	587,465	(2,448,965)	2,658,651	7,289,990	2,386,894	3,673,192	4,934,366	7,452,510
<b>Total operating expenses</b>	<b>165,407,457</b>	<b>171,174,171</b>	<b>159,867,931</b>	<b>152,017,247</b>	<b>162,369,426</b>	<b>154,823,937</b>	<b>143,095,962</b>	<b>137,137,210</b>	<b>141,015,867</b>
<b>Operating loss</b>	<b>(44,328,445)</b>	<b>(62,222,606)</b>	<b>(50,398,452)</b>	<b>(51,678,926)</b>	<b>(62,965,234)</b>	<b>(24,179,664)</b>	<b>(23,457,989)</b>	<b>(28,234,550)</b>	<b>(37,279,092)</b>
<b>Non-operating revenues (expenses):</b>									
Two-mill tax			120	3,699	1,407	5,192	7,423	5,058	10,726
Three-mill tax	10,302,545	11,294,822	10,381,155	9,682,028	12,990,090	12,199,539	11,031,057	10,312,636	10,772,176
Six-mill tax	10,410,524	11,401,561	10,513,559	9,803,052	13,152,643	12,352,092	11,169,139	10,367,046	10,906,914
Nine-mill tax	13,483,030	17,001,253	13,773,070	13,686,249	19,707,787	18,508,104	16,735,845	15,946,585	16,342,792
Other taxes	371,006	515,735	443,132	634,321	651,818	744,322	776,663	792,883	785,640
Operating and maintenance grants	19,373,185	(3,973)	1,777,188	35,013,143	9,338,528	-	-	-	-
Investment income	885,723	3,545,564	2,826,769	4,115,003	3,291,489	1,432,423	1,031,593	1,616,307	3,956,010
Hurricane gain			205,995	2,308,397	(53,909,262)	-	-	-	-
Interest expense	(1,766,553)	(1,720,030)	(2,443,612)	(252,835)	(2,992)	-	-	-	-
<b>Total non-operating revenues (expenses)</b>	<b>55,061,460</b>	<b>42,039,732</b>	<b>42,477,366</b>	<b>74,988,457</b>	<b>3,201,458</b>	<b>45,161,694</b>	<b>40,745,760</b>	<b>39,240,517</b>	<b>42,774,258</b>
<b>Income (loss) before capital contributions</b>	<b>10,731,015</b>	<b>(20,182,874)</b>	<b>(7,921,086)</b>	<b>23,309,531</b>	<b>(59,763,776)</b>	<b>20,391,010</b>	<b>17,287,771</b>	<b>11,065,967</b>	<b>5,495,166</b>
<b>Capital contributions</b>	<b>60,298,230</b>	<b>(29,931,607)</b>	<b>71,955,106</b>	<b>42,645,735</b>	<b>35,351,551</b>	<b>22,124,960</b>	<b>33,054,656</b>	<b>35,783,907</b>	<b>47,291,828</b>
<b>Change in net assets</b>	<b>71,031,245</b>	<b>(50,114,481)</b>	<b>64,034,020</b>	<b>68,955,266</b>	<b>(24,412,215)</b>	<b>42,515,970</b>	<b>70,342,437</b>	<b>46,791,874</b>	<b>52,786,594</b>
<b>Net assets:</b>									
Beginning of year	\$ 1,235,535,356	\$ 1,285,649,837	\$ 1,221,615,817	\$ 1,155,660,551	\$ 1,180,072,766	\$ 1,137,556,796	\$ 1,067,214,369	\$ 1,020,422,495	\$ 967,435,401
End of year	\$ 1,306,566,601	\$ 1,235,535,356	\$ 1,285,649,837	\$ 1,221,615,817	\$ 1,155,660,551	\$ 1,180,072,766	\$ 1,137,556,796	\$ 1,067,214,369	\$ 1,020,422,495

Sources: Audited Comprehensive Annual Financial Reports - Information available for nine years

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**  
**REVENUE AND EXPENSES BY SOURCE**  
**ENTERPRISE FUND**  
**Last Ten Years**  
**(Unaudited)**

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
<b>Revenues</b>										
Charges for service	\$ 104,136,436	\$ 101,387,729	\$ 107,087,709	\$ 117,542,168	\$ 126,719,405	\$ 96,232,489	\$ 97,047,638	\$ 106,642,409	\$ 106,463,582	\$ 117,264,448
Dedicated taxes	36,284,103	38,021,882	36,826,269	38,936,081	43,039,755	45,850,470	33,171,329	36,667,784	39,702,436	36,198,099
Two-mill tax	6,348	10,726	5,058	7,423	5,192	1,407	3,699	120		
Interest on investments	6,087,145	3,956,010	1,616,307	1,051,593	1,352,425	3,291,489	4,115,003	5,826,769	3,445,564	885,723
Other taxes and revenue	2,508,502	3,134,686	2,607,834	2,866,468	4,088,190	13,142,049	38,928,147	5,147,380	2,992,745	23,538,753
	<u>\$ 149,032,584</u>	<u>\$ 146,511,033</u>	<u>\$ 148,143,177</u>	<u>\$ 160,383,733</u>	<u>\$ 175,224,967</u>	<u>\$ 158,317,904</u>	<u>\$ 173,275,816</u>	<u>\$ 154,284,462</u>	<u>\$ 152,711,327</u>	<u>\$ 177,907,025</u>
<b>Expenses</b>										
Personnel services*	\$ 45,953,695	\$ 45,544,701	\$ 47,719,845	\$ 49,759,341	\$ 52,956,446	\$ 58,322,684	\$ 49,118,747	\$ 61,421,931	\$ 68,605,280	\$ 74,540,678
Services and utilities	40,576,321	43,554,817	40,228,571	46,120,890	48,738,878	45,606,037	43,170,196	52,966,304	56,828,567	50,787,395
Materials and supplies	8,098,236	8,299,314	7,730,507	5,988,505	8,637,479	5,020,134	5,649,827	9,879,426	12,603,961	8,880,950
Depreciation and amortization	28,581,624	34,503,058	34,681,763	35,669,083	38,896,084	39,548,115	29,063,914	25,535,752	31,704,036	34,833,545
Provision for doubtful accounts	1,071,194	1,661,267	1,842,938	1,884,751	2,718,176	6,582,465	22,355,906	12,613,283	1,244,862	(3,693,971)
Provision for claims	11,379,397	7,452,510	4,934,366	3,673,192	2,886,894	7,289,990	2,638,637	(2,448,965)	587,465	58,860
Hurricane Loss	-	-	-	-	-	55,909,252	(2,303,397)	(205,993)	-	-
Interest	-	-	-	-	-	2,993	257,435	2,443,612	1,720,030	1,766,533
	<u>\$ 135,662,467</u>	<u>\$ 141,015,867</u>	<u>\$ 137,137,210</u>	<u>\$ 143,095,962</u>	<u>\$ 154,833,957</u>	<u>\$ 218,281,680</u>	<u>\$ 149,966,285</u>	<u>\$ 162,205,548</u>	<u>\$ 172,894,201</u>	<u>\$ 167,174,010</u>

Note: Years prior to 2007 have not been restated for impact of GASB 33.

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**  
**ASSESSED AND ESTIMATED ACTUAL VALUE OF TAXABLE PROPERTY**  
**Last Ten Fiscal Years**  
**(Unaudited - amounts in thousands)**

Fiscal Year	Net Assessed Value		Total Net Assessed Value	Total Estimated Actual Value(1)	Ratio of Total Net Assessed to Total Estimated Actual Value
	Real Estate	Personal Property			
2000	1,159,821	628,860	1,788,681	14,133,694	12.7%
2001	1,214,098	651,744	1,865,842	14,751,485	12.6%
2002	1,231,764	619,368	1,851,132	14,687,067	12.6%
2003	1,248,743	650,595	1,899,338	15,040,781	12.6%
2004	1,423,261	679,826	2,103,087	16,731,518	12.6%
2005	1,492,750	620,797	2,113,547	16,774,183	12.6%
2006	1,103,604	565,287	1,668,891	13,245,167	12.6%
2007	1,362,097	483,200	1,845,297	14,645,214	12.6%
2008	2,004,624	539,492	2,544,116	20,698,664	12.3%
2009	2,042,426	557,039	2,599,465	21,974,841	11.8%

Source: City of New Orleans

(1) Amounts are net of the homestead exemption.

**SEWERAGE AND WATER BOARD OF NEW ORLEANS  
PROPERTY TAX RATES - DIRECT AND OVERLAPPING GOVERNMENTS**

**Last Ten Fiscal Years  
(Unaudited)**

**Number of Mills  
(Per \$1,000 of assessed value)**

Fiscal Year	City of New Orleans	Orleans Levee Board	Sewerage & Water Board of New Orleans	Orleans Parish School Board	Audubon Park & Zoo	Total
2000	77.09	12.76	22.59**	52.70	4.55	169.69
2001	77.09	12.76	22.59**	53.05*	4.55	170.04
2002	77.09	12.01	22.59**	52.98	4.55	169.22
2003	77.09	12.01	22.59**	52.83	4.55	169.07
2004	78.59	12.76	22.59**	52.80	4.55	171.29
2005	71.90	12.76	22.59**	52.80	4.55	171.29
2006	85.39	12.76	22.59**	58.55	4.55	186.84
2007	78.89	12.76	22.59**	52.90	4.55	175.19
2008	58.44	9.65	16.43**	38.47	3.31	119.55
2009	57.57	10.95	16.43**	38.47	3.31	118.28

Source: City of New Orleans

\*The Homestead Exemption is not allowed for the new 9-Mill Police and Fire Tax.

\*\*3 mills adopted in 1967 Expires in 2017

\*\*6 mills adopted in 1978 Expires in 2027

\*\*9 mills adopted in 1982 expires in 2032

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**  
**TEN LARGEST TAXPAYERS**  
**December 31, 2009 and Nine Years Ago**  
**(Unaudited)**

Name of Taxpayer	Type of Business	2009 Assessed Value	Percentage of Total Assessed Value
Entergy Service	Electric and gas utilities	\$ 70,461,810	2.73%
BellSouth Telecommunications	Telephone utilities	58,463,976	2.27%
Harrah's	Hospitality and gaming	42,809,120	1.66%
Capital One/Hibernia Bank	Financial institution	39,140,930	1.52%
Whitney National Bank	Financial institution	36,091,150	1.40%
J P Morgan Chase Bank	Financial institution	19,728,650	0.76%
International River center	Hospitality	17,466,490	0.68%
Marriott Hotel Properties	Real Estate	16,096,314	0.62%
Poydras Properties	Real Estate	12,827,310	0.50%
Hertz Properties	Real Estate	1,884,180	0.46%
		<u>\$ 314,969,930</u>	<u>12.60%</u>

Name of Taxpayer	Type of Business	2000 Assessed Value	Percentage of Total Assessed Value
Entergy Service	Electric and gas utilities	\$ 72,612,000	4.15%
BellSouth Telecommunications	Telephone utilities	61,875,000	3.53%
Banc One	Financial institution	37,504,000	2.14%
Hibernia National Bank	Banking	30,972,000	1.77%
Whitney National Bank	Banking	26,610,000	1.52%
International River Center	Real Estate	14,241,000	0.81%
Jazzland	Theme Park	14,811,000	0.85%
A T & T Communications	Telecommunications	14,687,000	0.84%
Harrah's	Hospitality and gaming	22,688,000	1.03%
Tenet	Managed Care	13,328,000	0.76%
		<u>\$ 309,328,000</u>	<u>15.62%</u>

Source: City of New Orleans

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**  
**PROPERTY TAX**  
**LEVIES AND COLLECTIONS BY THE CITY OF NEW ORLEANS**  
**Last Ten Fiscal Years**  
**(Unaudited - Amounts in Thousands)**

Fiscal Year	Total Levied	Collected Through December 31, 2009		Balance Outstanding December 31, 2009		Collected during 2009
		Amount	Percent	Amount	Percent	Amount
<b>Real Estate Taxes:</b>						
2000	199,666	197,442	98.89	2,224	1.11	192
2001	209,441	207,052	98.86	2,389	1.14	195
2002	214,088	211,242	98.67	2,846	1.33	187
2003	217,039	214,320	98.75	2,719	1.25	175
2004	247,328	243,594	98.49	3,734	1.51	444
2005	267,327	262,376	98.15	4,951	1.85	265
2006	219,991	213,778	97.18	6,213	2.82	1,784
2007	250,462	238,101	95.06	12,361	4.94	4,929
2008	269,746	259,343	96.14	10,403	3.86	16,139
2009	275,227	257,219	93.46	18,008	6.54	257,219
<b>Personal Property Taxes:</b>						
2000	105,951	99,637	94.04	6,314	5.96	-
2001	110,058	100,619	91.42	9,439	8.58	-
2002	105,378	96,728	91.79	8,650	8.21	-
2003	110,691	103,756	93.73	6,935	6.27	-
2004	115,676	109,234	94.43	6,442	5.57	-
2005	106,354	100,809	94.79	5,545	5.21	-
2006	99,477	91,023	91.50	8,454	8.50	1,336
2007	82,046	75,241	91.71	6,805	8.29	1,388
2008	67,548	62,119	91.96	5,429	8.04	2,474
2009	69,875	63,118	90.33	6,757	9.67	63,118

\* 2005 and prior personal property receivables were considered prescribed and no longer legally enforceable during 2009.

Source: City of New Orleans

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**  
**WATER AND SEWER RATES**  
**Last Four Fiscal Years**  
**(Unaudited)**

Year	Water					Sewer	
	Monthly Base Rate	Rate per 1,000 Gallons				Monthly Base Rate	Rate per 1,000 Gallons
		First 3,000 Gallons	Next 17,000 Gallons	Next 980,000 Gallons	All Gallons Over 1,000,000		
2006	\$ 3.50	\$ 2.31	\$ 2.31	\$ 2.07	\$ 1.59	\$ 11.60	\$ 4.04
2007	\$ 3.50	\$ 1.94	\$ 3.31	\$ 2.60	\$ 2.19	\$ 11.60	\$ 4.04
2008	\$ 3.50	\$ 2.35	\$ 4.01	\$ 3.15	\$ 2.65	\$ 11.60	\$ 4.04
2009	\$ 3.70	\$ 2.47	\$ 4.21	\$ 3.31	\$ 2.78	\$ 11.60	\$ 4.04

Note: Rates are based on 5/8" meter, which is the standard household meter size.

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**  
**RATIOS OF OUTSTANDING DEBT BY TYPE**  
 Last Four Fiscal Years  
 (Unaudited)

Fiscal Year	Personal Income(1) (in thousands)	Population (2)	Revenue Bonds	Special Tax Bonds	Special Community		Debt Service Assistance		Capital Leases Payable	Total Debt	Percentage of Personal Income	Debt per Capita
					Disaster Loan Payable	Loan	Fund	Loan				
2005	\$ 12,563,610	210,768	\$ 258,047,868	\$ 24,905,000	\$ 46,011,566	\$ 40,494,073	\$ 2,760,672	\$ 372,219,179	3.38%	\$ 1,766		
2007	\$ 15,394,618	288,113	\$ 246,907,968	\$ 23,835,000	\$ 61,956,747	\$ 64,655,122	\$ 104,445	\$ 397,459,282	3.87%	\$ 1,380		
2008	\$ 15,394,618 (3)	311,853	\$ 235,216,902	\$ 22,710,000	\$ 61,956,747	\$ 77,460,393	\$ -	\$ 397,344,042	3.87%	\$ 1,274		
2009	\$ 15,394,618 (3)	354,850	\$ 221,958,521	\$ 21,525,000	\$ 61,956,747	\$ 77,460,393	\$ -	\$ 382,900,661	4.02%	\$ 1,079		

(1) Source: Bureau of Economic Analysis

(2) Source: [www.census.gov/popest/counties/tables/CO-EST2008-01-22.xls](http://www.census.gov/popest/counties/tables/CO-EST2008-01-22.xls)

(3) Most recent available is 2007.

**SEWERAGE AND WATER BOARD OF NEW ORLEANS  
COMPUTATION OF DIRECT AND OVERLAPPING DEBT  
December 31, 2009  
(Unaudited)**

	Net Outstanding Debt	Percentage Overlapping	Overlapping Debt
<b>Direct debt:</b>			
Sewerage and Water Board, net of debt service funds (tax bonds only)	\$ 21,525,000	100%	\$ 21,525,000
<b>Overlapping debt:</b>			
City of New Orleans	672,663,000	100%	672,663,000
Audubon Park Commission	31,813,572	100%	31,813,572
Orleans Parish School Board (1)	131,560,000	100%	131,560,000
Orleans Levee District (1)	4,330,000	100%	4,330,000
<b>Total overlapping debt</b>	<b>840,366,572</b>	<b>100%</b>	<b>840,366,572</b>
<b>Total direct and overlapping debt</b>	<b>\$ 861,891,572</b>	<b>100%</b>	<b>\$ 861,891,572</b>

- (1) The fiscal year of the Orleans Parish School Board and Orleans Levee District ends on June 30th; overlapping debt is based on June 30, 2009 financial information.

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**  
**REVENUE BONDS DEBT SERVICE COVERAGE**  
**WATER BONDS**

Last Ten Fiscal Years  
(Unaudited)

Fiscal Year	Operating Revenue	Direct Operating Expenses	Net Revenue Available for Debt Services	Debt Service Requirement*		Coverage	
				Principal	Interest		
2000	59,374,827	49,712,488	9,662,339	2,590,000	1,023,436	3,613,436	2.67
2001	54,444,486	47,962,301	6,482,185	995,000	846,818	1,841,818	3.52
2002	55,870,142	45,801,952	10,068,190	1,050,000	782,068	1,832,068	5.50
2003	57,550,818	47,886,711	9,664,107	2,020,000	2,490,059	4,510,059	2.14
2004	57,955,617	51,749,138	6,206,479	1,575,000	2,177,094	3,752,094	1.65
2005	40,716,893	53,450,918	(12,734,025)	1,655,000	2,110,155	3,765,155	(3.38)
2006	36,378,265	41,970,320	(5,592,055)	1,735,000	2,032,524	3,767,524	(1.48)
2007	35,098,826	58,708,774	(23,609,948)	1,820,000	1,980,068	3,800,068	(6.21)
2008	47,435,375	66,989,084	(19,553,709)	1,920,000	1,917,131	3,837,131	(5.10)
2009	70,211,761	51,983,869	18,227,892	2,115,000	1,771,268	3,886,268	4.69

\* Payments are based on future payments subsequent to the year of calculation.

**SEWERAGE AND WATER BOARD OF NEW ORLEANS  
REVENUE BONDS DEBT SERVICE COVERAGE**

**SEWER BONDS**

Last Ten Fiscal Years  
(Unaudited)

Fiscal Year	Operating Revenue	Direct Operating Expenses	Net Revenue Available for Debt Services	Debt Service Requirements*		Coverage
				Principal	Interest	
2000	49,677,971	35,549,015	14,128,956	1,745,000	2,682,686	3.19
2001	51,902,479	35,866,277	16,036,202	2,920,000	5,254,696	1.96
2002	54,195,717	31,418,205	22,777,512	4,250,000	6,766,471	2.07
2003	60,837,820	38,579,473	22,258,347	6,245,000	8,988,665	1.46
2004	72,434,733	39,459,105	32,975,628	6,715,000	10,343,878	1.93
2005	58,494,963	33,072,494	25,422,469	8,265,000	9,873,999	1.40
2006	63,907,388	33,435,068	30,472,320	8,685,000	9,453,651	1.68
2007	64,750,010	38,899,024	25,850,986	9,130,000	10,211,257	1.34
2008	70,836,988	42,135,587	28,701,401	15,035,000	3,326,538	1.56
2009	69,501,438	49,879,875	19,621,563	11,255,000	9,058,968	0.97

\* Debt services requirements excludes BANS.

\* Payments are based on future payments subsequent to the year of calculation.

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**  
**DEMOGRAPHIC STATISTICS**  
**Last Four Fiscal Years**  
**(Unaudited)**

Fiscal Year	Population(1)	Personal Income(2) (in thousands)	Per Capita Personal Income	Unemployment Rate (3)
2006	210,768	\$ 12,563,610	\$ 59,609	4.30%
2007	288,113	\$ 15,394,618	\$ 53,433	3.50%
2008	311,853	\$ 15,394,618 (4)	\$ 49,365	4.40%
2009	354,850	\$ 15,394,618 (4)	\$ 35,507	6.80%

(1) [www.census.gov/popest/counties/tables/CO-EST2007-01-22.xls](http://www.census.gov/popest/counties/tables/CO-EST2007-01-22.xls)

(2) Estimates- Bureau of Economic Analysis

(3) U.S. Bureau of Labor Statistics

(4) Most recent available is 2007

**SEWERAGE AND WATER BOARD OF NEW ORLEANS  
NEW ORLEANS AREA PRINCIPAL EMPLOYERS (NON-PUBLIC)  
Last Ten Fiscal Years**

(unaudited)

	2000	2001	2002	2003	2004 *	2005 *	2006	2007	2008	2009
<b>Rank / Number of Employees</b>										
Ochsner Medical Institutions / Health System	3 / 4,503	4 / 3,828					6 / 2,000		1 / 9,107	1 / 9,107
Avondale Industries Inc.	1 / 6,000									
Tulane University	4 / 4,012	2 / 5,492					2 / 5,000		4 / 4,410	3 / 4,410
Tenet Louisiana Health System	2 / 5,000	3 / 5,431								
Columbia/HCA Healthcare Corp.	6 / 3,547									
Entergy Corp.	7 / 3,069	7 / 2,500								
BellSouth	9 / 2,400	8 / 2,400								
Lockheed Martin Manned Space Systems	8 / 2,600	9 / 2,269	2 / 2,000	2 / 2,000			5 / 2,000	2 / 2,832	7 / 2,832	4 / 2,832
Hibernia Corp.	10 / 2,243	6 / 2,954								
First Commerce Corp.										
Memorial Medical Center										
Bank One Louisiana	5 / 3,657									
Northrup Grumman Avondale		1 / 6,400	1 / 6,000	1 / 6,071			1 / 6,000	1 / 5,400	2 / 5,400	2 / 5,400
HCA-The Healthcare Co.		5 / 3,089								
Harrah's New Orleans, A Jazz Casino Co.		6 / 2,900								
Whitney National Bank		10 / 2,231								
USDA, National Finance Center			3 / 1,900	3 / 1,900			8 / 1,250	4 / 1,300		
Regional Transit Authority			5 / 1,199	6 / 1,199						
Methodist Hospital			6 / 1,116	7 / 1,116						
Boomtown Casino Westbank			7 / 1,100	8 / 1,100						
Superior Energy Services, Inc.			8 / 975	5 / 1,200			9 / 790	6 / 781		
Bally's Casino Lakeshore Resort			9 / 623	9 / 623			10 / 750	7 / 750		
Meadowcrest Hospital			10 / 498	10 / 457						
West Jefferson Medical Center			4 / 1,829	4 / 1,829			7 / 1,904	3 / 1,654		
JCC Holding Co. LLC							4 / 4,000			
Textron Marine & Land Systems								5 / 1,165		
Acme Truck Line Inc.								8 / 250		
Houma Industries								9 / 160		
Hope Haven Center								10 / 150		
LSU Health Sciences Center New Orleans									3 / 5,000	
City of New Orleans									5 / 3,500	
East Jefferson General Hospital									6 / 3,150	
Capital One									9 / 2,150	6 / 2,150
AI Copeland Investments									10 / 2,000	7 / 2,000
Dow Chemical Company										8 / 2,000
Boh Bros. Construction										9 / 1,500
Hilton New Orleans										10 / 1,400

Source: Greater New Orleans Inc. Regional Economic Alliance, 2007-2008

\* These years are unavailable.

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**  
**CAPITAL EXPENDITURES BY DEPARTMENT**  
**ENTERPRISE FUND**  
**Last Ten Fiscal Years**  
**(Unaudited)**

Year	Water	Sewer	Drainage	Total
2000	13,001,122	21,609,266	12,976,071	47,586,459
2001	12,586,744	51,226,639	52,859,310 <sup>1</sup>	116,672,693
2002	11,540,814	43,269,622	57,048,889	111,859,325
2003	14,531,801	49,419,442	64,155,080	128,106,323
2004	15,772,218	67,424,755	38,407,889	121,604,862
2005	10,380,889	46,550,580	23,709,553	80,641,022
2006	36,481,683	49,891,752	19,515,232	105,888,667
2007	19,053,142	56,093,058	16,250,996	91,397,196
2008	19,938,659	25,608,236	28,592,805	74,139,700
2009	22,465,931	56,010,946	47,185,424	125,662,301

<sup>1</sup> Includes contributed assets

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**  
**SCHEDULE OF FUTURE DEBT PAYMENTS**  
December 31, 2009  
(Unaudited)

		<b>Water Revenue Bonds</b>		
		<u>Series</u> <u>1998</u>	<u>Series</u> <u>2002</u>	<u>All Bond</u> <u>Issues</u>
2010	Principal	845,000	1,270,000	2,115,000
	Interest	436,493	1,334,775	1,771,268
2011	Principal	885,000	1,335,000	2,220,000
	Interest	398,468	1,287,150	1,685,618
2012	Principal	925,000	1,400,000	2,325,000
	Interest	358,643	1,233,750	1,592,393
2013	Principal	965,000	1,470,000	2,435,000
	Interest	315,630	1,177,750	1,493,380
2014	Principal	1,015,000	1,530,000	2,545,000
	Interest	269,793	1,104,250	1,374,043
2015	Principal	1,060,000	1,595,000	2,655,000
	Interest	221,580	1,027,750	1,249,330
2016	Principal	1,110,000	1,665,000	2,775,000
	Interest	170,700	948,000	1,118,700
2017	Principal	1,165,000	1,740,000	2,905,000
	Interest	116,865	864,750	981,615
2018	Principal	1,220,000	1,820,000	3,040,000
	Interest	59,780	777,750	837,530
2019	Principal		3,195,000	3,195,000
	Interest		686,750	686,750
2020	Principal		3,345,000	3,345,000
	Interest		527,000	527,000
2021	Principal		3,510,000	3,510,000
	Interest		359,750	359,750
2022	Principal		3,685,000	3,685,000
	Interest		184,250	184,250
Total Principal		9,190,000	27,560,000	36,750,000
Total Interest		2,347,952	11,513,675	13,861,627
Total Future Debt Payments		<u>\$ 11,537,952</u>	<u>\$ 39,073,675</u>	<u>\$ 50,611,627</u>

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**  
**SCHEDULE OF FUTURE DEBT PAYMENTS**  
 December 31, 2009  
 (Unaudited)

	Sewer Revenue Bonds											All Bond Balances
	Series 1997	Series 1998	Series 2000A	Series 2000B	Series 2001	Series 2002	Series 2003	Series 2003	Series 2004	Series 2009	Series 2010	
2010 Principal	1,654,000	1,320,000	1,250,000	950,000	1,483,000	2,850,000	235,000	1,332,000	680,000	11,255,000		
2010 Interest	811,076	654,758	1,681,696	731,952	1,106,249	2,102,839	167,854	1,099,594	1,328,966	3,028,908		
2011 Principal	1,745,000	1,380,000	1,395,800	1,003,000	1,545,000	2,510,000	245,000	1,575,000	705,000	11,815,000		
2011 Interest	725,234	594,660	991,350	670,900	1,031,808	1,992,500	160,769	1,054,041	1,303,747	8,524,329		
2012 Principal	1,840,000	1,445,000	1,385,000	1,060,000	1,615,000	2,645,000	230,000	1,430,000	750,000	12,400,000		
2012 Interest	621,128	510,194	911,810	619,155	980,692	1,863,623	130,721	1,004,100	1,275,483	7,947,553		
2013 Principal	1,945,000	1,510,000	1,465,000	1,120,000	1,685,000	2,790,000	260,000	1,485,000	765,000	13,020,000		
2013 Interest	572,983	461,194	826,350	564,255	811,700	1,727,750	137,971	948,481	1,243,673	7,324,420		
2014 Principal	2,050,000	1,585,000	1,555,000	1,185,000	1,760,000	2,945,000	270,000	1,545,000	800,000	13,695,000		
2014 Interest	426,884	388,165	733,750	504,923	798,140	1,594,375	126,611	880,156	1,206,463	6,631,469		
2015 Principal	2,170,000	1,655,000	1,645,000	1,235,000	1,840,000	3,110,000	280,000	1,605,000	845,000	14,405,000		
2015 Interest	313,280	310,801	699,750	440,658	709,940	1,433,000	116,676	809,431	1,164,221	5,997,991		
2016 Principal	2,290,000	1,735,000	1,745,000	1,325,000	1,930,000	3,240,000	290,000	1,680,000	890,000	15,165,000		
2016 Interest	192,780	228,791	531,150	371,825	616,610	1,273,250	106,091	743,731	1,117,623	5,188,754		
2017 Principal	2,425,000	1,820,000	1,850,000	1,400,000	2,020,000	3,460,000	305,000	1,755,000	940,000	16,075,000		
2017 Interest	65,475	141,000	430,200	297,130	517,860	1,104,730	94,672	675,021	1,066,713	4,395,251		
2018 Principal	1,910,000	1,500,000	1,500,000	1,480,000	2,120,000	3,850,000	315,000	1,835,000	995,000	14,265,000		
2018 Interest	47,750	313,900	313,900	314,230	446,386	927,900	82,468	603,231	1,011,569	3,630,723		
2019 Principal	1,910,000	1,500,000	1,500,000	1,480,000	2,120,000	3,850,000	315,000	1,835,000	995,000	14,265,000		
2019 Interest	47,750	313,900	313,900	314,230	446,386	927,900	82,468	603,231	1,011,569	3,630,723		
2020 Principal	1,910,000	1,500,000	1,500,000	1,480,000	2,120,000	3,850,000	315,000	1,835,000	995,000	14,265,000		
2020 Interest	47,750	313,900	313,900	314,230	446,386	927,900	82,468	603,231	1,011,569	3,630,723		
2021 Principal	1,910,000	1,500,000	1,500,000	1,480,000	2,120,000	3,850,000	315,000	1,835,000	995,000	14,265,000		
2021 Interest	47,750	313,900	313,900	314,230	446,386	927,900	82,468	603,231	1,011,569	3,630,723		
2022 Principal	1,910,000	1,500,000	1,500,000	1,480,000	2,120,000	3,850,000	315,000	1,835,000	995,000	14,265,000		
2022 Interest	47,750	313,900	313,900	314,230	446,386	927,900	82,468	603,231	1,011,569	3,630,723		
2023 Principal	1,910,000	1,500,000	1,500,000	1,480,000	2,120,000	3,850,000	315,000	1,835,000	995,000	14,265,000		
2023 Interest	47,750	313,900	313,900	314,230	446,386	927,900	82,468	603,231	1,011,569	3,630,723		
2024 Principal	1,910,000	1,500,000	1,500,000	1,480,000	2,120,000	3,850,000	315,000	1,835,000	995,000	14,265,000		
2024 Interest	47,750	313,900	313,900	314,230	446,386	927,900	82,468	603,231	1,011,569	3,630,723		
2025 Principal	1,910,000	1,500,000	1,500,000	1,480,000	2,120,000	3,850,000	315,000	1,835,000	995,000	14,265,000		
2025 Interest	47,750	313,900	313,900	314,230	446,386	927,900	82,468	603,231	1,011,569	3,630,723		
2026 Principal	1,910,000	1,500,000	1,500,000	1,480,000	2,120,000	3,850,000	315,000	1,835,000	995,000	14,265,000		
2026 Interest	47,750	313,900	313,900	314,230	446,386	927,900	82,468	603,231	1,011,569	3,630,723		
2027 Principal	1,910,000	1,500,000	1,500,000	1,480,000	2,120,000	3,850,000	315,000	1,835,000	995,000	14,265,000		
2027 Interest	47,750	313,900	313,900	314,230	446,386	927,900	82,468	603,231	1,011,569	3,630,723		
2028 Principal	1,910,000	1,500,000	1,500,000	1,480,000	2,120,000	3,850,000	315,000	1,835,000	995,000	14,265,000		
2028 Interest	47,750	313,900	313,900	314,230	446,386	927,900	82,468	603,231	1,011,569	3,630,723		
2029 Principal	1,910,000	1,500,000	1,500,000	1,480,000	2,120,000	3,850,000	315,000	1,835,000	995,000	14,265,000		
2029 Interest	47,750	313,900	313,900	314,230	446,386	927,900	82,468	603,231	1,011,569	3,630,723		
<b>Total Principal</b>	<b>16,115,000</b>	<b>13,240,000</b>	<b>18,425,000</b>	<b>14,019,000</b>	<b>23,015,000</b>	<b>43,485,000</b>	<b>4,260,000</b>	<b>27,010,000</b>	<b>23,375,000</b>	<b>184,055,000</b>		
<b>Total Interest</b>	<b>3,298,674</b>	<b>2,877,483</b>	<b>6,719,130</b>	<b>4,589,385</b>	<b>7,337,418</b>	<b>15,786,475</b>	<b>1,344,318</b>	<b>9,671,391</b>	<b>9,671,391</b>	<b>49,442,430</b>		
<b>Total Future Debt Payments</b>	<b>\$ 19,413,674</b>	<b>\$ 17,117,483</b>	<b>\$ 25,144,130</b>	<b>\$ 18,608,385</b>	<b>\$ 30,352,418</b>	<b>\$ 59,271,475</b>	<b>\$ 5,604,318</b>	<b>\$ 36,681,391</b>	<b>\$ 33,046,391</b>	<b>\$ 233,497,430</b>		

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**  
**SCHEDULE OF FUTURE DEBT PAYMENTS**  
December 31, 2009  
(Unaudited)

		<b>Drainage Special Tax Bonds</b>		
		Series 1998	Series 2002	All Bond Issues
2010	Principal	520,000	715,000	1,235,000
	Interest	272,722	675,016	947,738
2011	Principal	545,000	755,000	1,300,000
	Interest	249,582	647,310	896,892
2012	Principal	570,000	790,000	1,360,000
	Interest	224,786	621,263	846,049
2013	Principal	595,000	830,000	1,425,000
	Interest	198,280	593,218	791,498
2014	Principal	625,000	865,000	1,490,000
	Interest	170,018	560,018	730,036
2015	Principal	655,000	900,000	1,555,000
	Interest	140,018	525,418	665,436
2016	Principal	685,000	940,000	1,625,000
	Interest	108,250	489,418	597,668
2017	Principal	720,000	985,000	1,705,000
	Interest	74,000	450,878	524,878
2018	Principal	760,000	1,030,000	1,790,000
	Interest	38,000	38,000	76,000
2019	Principal		1,870,000	1,870,000
	Interest		365,218	365,218
2020	Principal		1,960,000	1,960,000
	Interest		282,938	282,938
2021	Principal		2,055,000	2,055,000
	Interest		194,738	194,738
2022	Principal		2,155,000	2,155,000
	Interest		100,208	100,208
<b>Total Principal</b>		<b>5,675,000</b>	<b>15,850,000</b>	<b>21,525,000</b>
<b>Total Interest</b>		<b>1,475,656</b>	<b>5,543,636</b>	<b>7,019,292</b>
<b>Total Future Debt Payments</b>		<b>\$ 7,150,656</b>	<b>\$ 21,393,636</b>	<b>\$ 28,544,292</b>

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**  
**SCHEDULE OF FUTURE DEBT PAYMENTS**  
December 31, 2009  
(Unaudited)

		All Departments			
		Water	Sewer	Drainage	Total
2010	Principal	2,115,000	11,255,000	1,233,000	14,603,000
	Interest	1,771,268	9,058,968	947,738	11,777,975
2011	Principal	2,220,000	11,815,000	1,300,000	15,335,000
	Interest	1,685,618	8,528,329	896,892	11,110,839
2012	Principal	2,325,000	12,400,000	1,360,000	16,085,000
	Interest	1,592,393	7,947,553	846,049	10,385,994
2013	Principal	2,435,000	13,020,000	1,425,000	16,880,000
	Interest	1,493,380	7,324,420	791,498	9,609,297
2014	Principal	2,545,000	13,695,000	1,490,000	17,730,000
	Interest	1,374,043	6,651,469	730,036	8,755,548
2015	Principal	2,655,000	14,405,000	1,555,000	18,615,000
	Interest	1,249,330	5,937,938	665,436	7,852,703
2016	Principal	2,775,000	15,165,000	1,625,000	19,565,000
	Interest	1,118,700	5,188,754	397,668	6,905,121
2017	Principal	2,905,000	15,975,000	1,705,000	20,585,000
	Interest	981,615	4,393,251	524,878	5,899,743
2018	Principal	3,040,000	14,265,000	1,790,000	19,095,000
	Interest	837,530	3,620,723	76,000	4,534,253
2019	Principal	3,195,000	13,025,000	1,870,000	18,090,000
	Interest	686,750	2,921,028	365,218	3,972,996
2020	Principal	3,345,000	13,725,000	1,960,000	19,030,000
	Interest	527,000	2,228,091	282,938	3,038,028
2021	Principal	3,510,000	10,390,000	2,055,000	15,955,000
	Interest	359,750	1,611,499	194,738	2,165,986
2022	Principal	3,685,000	8,375,000	2,155,000	14,215,000
	Interest	184,250	1,143,888	100,208	1,428,345
2023	Principal		4,060,000		4,060,000
	Interest		835,328		835,328
2024	Principal		3,860,000		3,860,000
	Interest		636,600		636,600
2025	Principal		1,515,000		1,515,000
	Interest		491,719		491,719
2026	Principal		1,615,000		1,615,000
	Interest		393,906		393,906
2027	Principal		1,720,000		1,720,000
	Interest		289,688		289,688
2028	Principal		1,830,000		1,830,000
	Interest		178,750		178,750
2029	Principal		1,945,000		1,945,000
	Interest		60,781		60,781
<b>Total Principal</b>		<b>36,750,000</b>	<b>184,055,000</b>	<b>21,525,000</b>	<b>242,330,000</b>
<b>Total Interest</b>		<b>13,861,627</b>	<b>69,442,680</b>	<b>7,019,292</b>	<b>90,323,600</b>
<b>Total Future Debt Payments</b>		<b>\$ 50,611,627</b>	<b>\$ 253,497,680</b>	<b>\$ 28,544,292</b>	<b>\$ 332,653,600</b>

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**

**Property Value, New Construction and Bank Deposits**

Last Ten Fiscal Years  
(Unaudited)

Fiscal Year	New Commercial Construction (1)		New Residential Construction (1)		Bank deposits (2) (in thousands)	Estimated actual property value (in thousands)
	Number of units	Value (in thousands)	Number of units	Value (in thousands)		
2000	325	135,665	2,223	136,686	7,984,473	14,133,694
2001	333	52,103	2,170	111,804	8,225,073	14,751,485
2002	305	76,057	2,371	133,259	7,858,864	15,426,274
2003	304	66,458	2,902	153,649	8,256,119	15,040,871
2004	1397	354,716	2,576	167,353	9,416,433	16,731,518
2005					8,951,961	
2006					11,252,684	
2007					10,062,454	
2008					10,553,556	
2009					10,480,561	

(1) City of New Orleans (2004 latest year for which information is available).

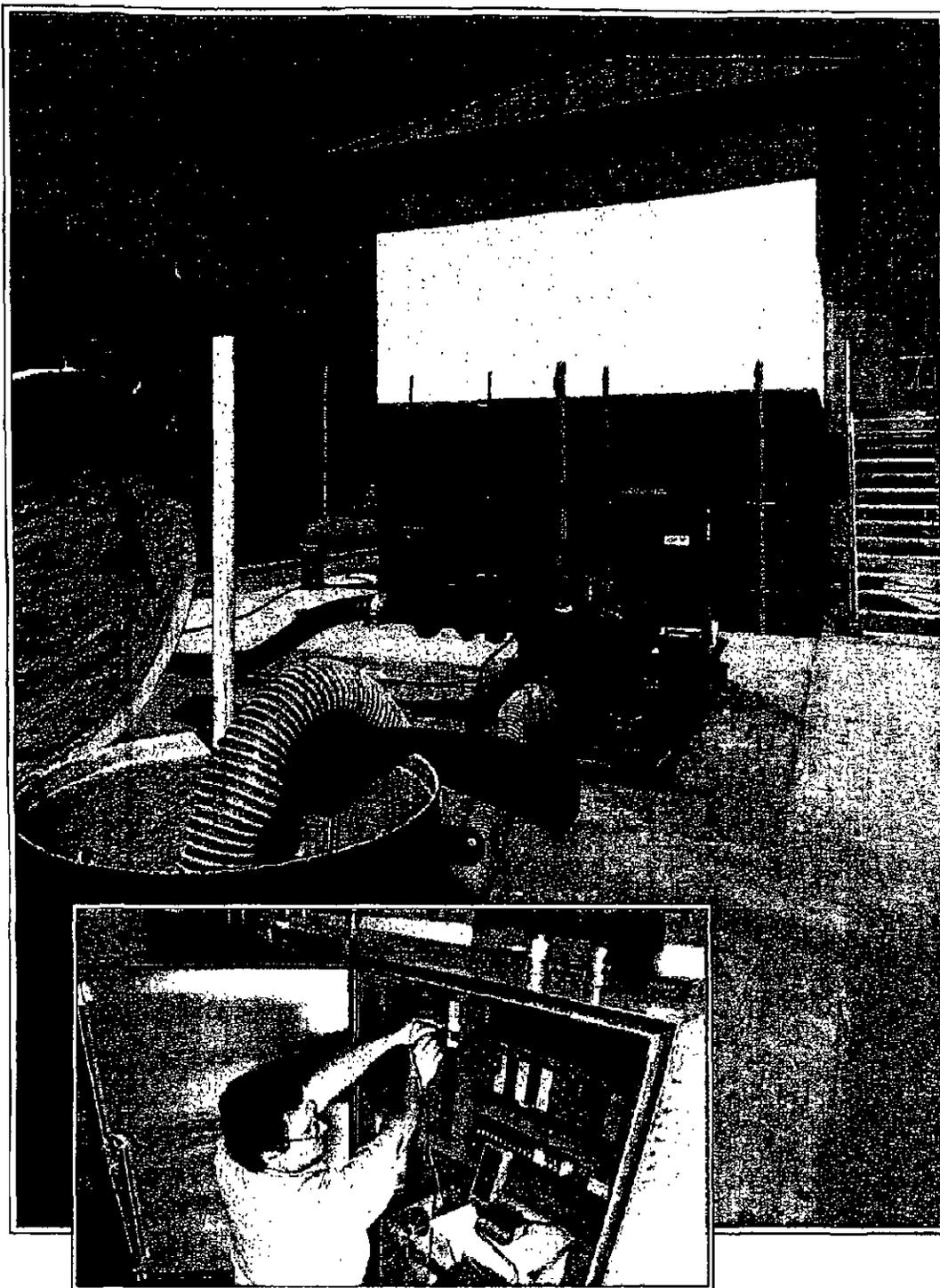
(2) Summary of Deposits (as of June 30, 2009) - bank branches located in New Orleans, Federal Depository Insurance Corporation.

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**  
**CAPITAL ASSET STATISTICS BY FUNCTION**  
**Last Four Fiscal Years**  
**(Unaudited)**

	Year			
	2006	2007	2008	2009
<b>Water:</b>				
Water mains (miles)	1,723	1,789	1,791	1,794
Water lines in system (miles)	1,807	1,784	1,579	1,560
Water valves	29,219	29,420	29,480	29,449
Fire hydrants	22,771	22,780	22,785	24,894
Water manholes	29,576	29,632	29,673	29,741
<b>Sewer:</b>				
Sewer pipe (miles)	2,259	2,575	2,568	1,573
Sewers (miles)	1,486	1,460	1,460	1,453
Sewer manholes	22,829	22,922	22,902	22,787

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# S U P P L E M E N T A L S E C T I O N



The new Lamb Road Sewer Pump Station will replace one built in 1962 to serve the areas of Pines Village, Kenilworth and other nearby subdivisions. Hurricane Katrina caused catastrophic damage to mechanical equipment, electrical switches, motors, controls and other operational parts to the old station. All of the equipment in the station vault was submerged for several weeks and the above-ground electrical enclosure was partially submerged for several days.

The new Lamb Road Station is largely located underground with only the electrical power disconnect, metering cabinet and SCADA (supervisory control and data acquisition) panel above ground at grade level. Construction began in October of 2009 and the station will be completed in \_\_\_\_\_ at a cost of \$1.4 million. This important project will result in increased sewer pumping capacity for the area and improved data collection.

SEWERAGE AND WATER BOARD OF NEW ORLEANS

2009 ACTUAL CAPITAL EXPENDITURES

WATER DEPARTMENT

<u>C.P.#</u>	<u>WATERWORKS</u>		
110	Normal Extension & Replacement	\$	209,807.60
112	Modernization to Oak Street Row Water Intake Station		60,510.00
135	Improvement of Chemical System		520,077.70
160	Hurricane Katrina Expense for Water		(78,724.78)
175	Water Hurricane Recovery Bonds		11,398,501.20
	<b>TOTAL WATERWORKS</b>	<b>\$</b>	<b>12,110,171.72</b>
	 <u>WATER DISTRIBUTION</u>		
214	Normal Extension & Replacement	\$	1,480,207.68
215	Rehabilitation - Mains, Hydrants & Services		71,468.00
216	Water Systems Replacement Program		18,000.00
239	Mains DPW Contracts		2,830,563.88
	<b>TOTAL WATER DISTRIBUTION</b>	<b>\$</b>	<b>4,400,239.56</b>
	 <u>POWER PROJECTS EMERGENCY AND GENERAL BUDGET</u>		
600	Water Share of Power Projects	\$	109,305.45
800	Water Share of General Budget Items		5,763,439.72
	<b>TOTAL POWER PROJECTS, EMERGENCY AND GENERAL BUDGET</b>	<b>\$</b>	<b>5,872,745.17</b>
	 <b>TOTAL WATER DEPARTMENT</b>	<b>\$</b>	<b>22,383,156.45</b>

NOTE: These figures do not include proration of interest expense.

# SEWERAGE AND WATER BOARD OF NEW ORLEANS

## 2009 ACTUAL CAPITAL EXPENDITURES

### SEWERAGE DEPARTMENT

<u>C.P.#</u>	<u>SEWERAGE SYSTEM</u>		
313	Extensions & Replacements-Sewer Force Mains EPA Consent Decree	\$	3,390,996.48
317	Normal Extensions & Replacement of Gravity Mains		15,167,637.20
318	Rehabilitation Gravity Sewer System		2,748,534.45
326	Extensions & Replacement to Sewer Pumping Stations		176,191.76
339	Main in Streets Dept. Contracts		2,429,133.89
348	Normal Extensions & Replacements		1,654,636.73
367	Collection System Eval/Survey Uptown		3,439.08
368	Wetlands assimilation Project		119,436.79
369	Hurricane Katrina Expenses for Sewer System		27,914.00
375	Sewerage Hurricane Recovery Bonds		19,088,354.27
381	Modification & Extension of WBSTP to 20/50 MGD		73,872.74
	<b>TOTAL SEWERAGE SYSTEM</b>	<b>\$</b>	<b>44,880,147.39</b>
	 <u>SEWAGE TREATMENT</u>		
	 <u>POWER PROJECTS AND GENERAL BUDGET</u>		
600	Sewerage Share of Power Projects	\$	27,326.36
800	Sewerage Share of General Budget Items		4,437,719.39
	<b>TOTAL POWER PROJECTS AND GENERAL BUDGET</b>	<b>\$</b>	<b>4,465,045.75</b>
	<b>TOTAL SEWERAGE DEPARTMENT</b>	<b>\$</b>	<b>49,345,193.14</b>

NOTE: These figures do not include proration of interest expense.

SEWERAGE AND WATER BOARD OF NEW ORLEANS

2009 ACTUAL CAPITAL EXPENDITURES

DRAINAGE DEPARTMENT

<u>C.P.#</u>	<u>CANALS</u>	
418	Normal Extension & Replacements	\$ 30,026.95
439	Major Drainage Participation in DPW Projects	2,930,584.69
471	SELA Program Management	1,154,943.14
476	Hollygrove Canals (SELA-A)	86,255.93
486	Napoleon Avenue Canal Improvements (SELA-B)	106,835.80
496	General DeGaulle Canal (SELA-C)	6,272,037.94
497	Florida Ave. Canal - DPS#19 to Peoples Ave. (SELA-B)	159,892.39
498	Dwyer Intake Canal (St. Charles to Dwyer (DPS)(SELA-A)	1,048,147.13
	TOTAL DRAINAGE CANALS	<u>\$ 11,788,723.97</u>
	<u>PUMPING STATIONS</u>	
511	Normal Extension & Rep./Stations	\$ 2,111,290.83
554	Expansion of Dwyer DPS (SELA-A)	16,219.85
575	Drainage Hurricane Recovery Bonds	1,819,924.84
	TOTAL DRAINAGE PUMPING STATIONS	<u>\$ 3,947,435.52</u>
	<u>POWER PROJECTS AND GENERAL BUDGET</u>	
600	Drainage Share of Power Projects	\$ 3,244,671.35
800	Drainage Share of General Budget Items	3,662,346.17
	TOTAL POWER PROJECTS AND GENERAL BUDGET	<u>\$ 6,907,017.52</u>
	TOTAL DRAINAGE DEPARTMENT	<u>\$ 22,643,177.01</u>

NOTE: These figures do not include proration of interest expense.

SEWERAGE AND WATER BOARD OF NEW ORLEANS

2009 ACTUAL CAPITAL EXPENDITURES

C.P.#	POWER PROJECTS	POWER PROJECTS				Total
		Water	Sewerage	Drainage		
610	Add and Replace Underground Power Feeders Distrib. Feeder	\$ -	\$ -	\$ 1,882,500.00	\$ 1,882,500.00	
613	Modification of Steam System	27,832.40	6,958.10	1,056,647.40	1,091,437.90	
614	Replacement of Boilers	81,473.05	20,368.26	305,523.95	407,365.26	
	TOTAL POWER PROJECTS	<u>\$ 109,305.45</u>	<u>\$ 27,326.36</u>	<u>\$ 3,244,671.35</u>	<u>\$ 3,381,303.16</u>	

NOTE: These figures do not include proration of interest expense.

SEWERAGE AND WATER BOARD OF NEW ORLEANS

2009 ACTUAL CAPITAL EXPENDITURES

GENERAL BUDGET ITEMS

C.P.#	General Budget Items	Water	Sewerage	Drainage	Total
803	Property Acquisition	\$ -	-	\$ 84,127.91	\$ 84,127.91
807	Improvement to Central Yard & St. Joseph St.	1,000.00	1,000.00	-	2,000.00
810	Major Equipment Purchases	127.20	127.20	63.60	318.00
812	Computer Systems Development	10,469.85	10,450.19	10,450.16	31,370.20
820	Overhead Charged to Capital	3,057,380.51	3,303,179.69	2,894,989.48	9,255,549.68
823	Purchase of Water Meters	479,725.00	479,725.00	-	959,450.00
843	Minor Equipment Purchases	4,718.75	47,038.76	76,516.51	128,274.02
862	Fire Hydrant & Related Parts	63,000.00	-	-	63,000.00
863	Temporary Housing Hurricane Katrina	1,352,722.00	-	-	1,352,722.00
865	Hurricane Katrina - General Budget Items	1,904.81	1,904.85	1,904.81	5,714.47
875	General Budget Items Hurricane Recovery Bonds	792,391.60	594,293.70	594,293.70	1,980,979.00
TOTAL GENERAL BUDGET ITEMS		<u>\$ 5,763,439.72</u>	<u>\$ 4,437,719.39</u>	<u>\$ 3,662,346.17</u>	<u>\$ 13,863,505.28</u>

NOTE: These figures do not include proration of interest expense.

SEWERAGE AND WATER BOARD OF NEW ORLEANS

ANALYSIS OF PUMPING AND POWER DEPARTMENT  
 POWER PURCHASED AND PRODUCED  
 NATURAL GAS AND FUEL OIL CONSUMED  
 TEN YEARS 2000 THROUGH 2009

YEAR	ELECTRIC POWER PURCHASED		ELECTRIC & STEAM POWER GENERATED BY THE S&WB			NATURAL GAS & FUEL OIL USED TO GENERATE ELECTRIC & STEAM POWER			
	KW-HRS	\$ AMOUNT	KW-HRS	\$ AMOUNT	MCF	NATURAL GAS		FUEL OIL	
						\$ AMOUNT	GALLONS	\$ AMOUNT	
2000	66,150,146	\$ 5,278,313	33,126,311	\$ 11,535,367	1,331,330	\$ 9,646,417	9,550	\$ 8,118	
2001	71,250,220	\$ 6,290,661	36,569,748	\$ 10,699,776	1,547,560	\$ 8,738,028	1,239	\$ 1,053	
2002	67,060,158	\$ 5,057,629	37,576,656	\$ 8,175,530	1,455,440	\$ 6,370,341	1,739	\$ 1,478	
2003	58,271,819	\$ 4,213,376	37,952,434	\$ 10,701,490	1,322,240	\$ 9,214,066	17,481	\$ 14,859	
2004	75,514,008	\$ 6,048,983	37,845,120	\$ 12,509,191	1,346,750	\$ 11,850,932	1,149	\$ 977	
2005	69,492,789	\$ 10,606,997	32,232,480	\$ 13,914,933	1,442,440	\$ 15,834,817	27,168	\$ 23,093	
2006	79,041,420	\$ 15,605,974	37,464,720	\$ 12,754,639	1,285,200	\$ 14,587,701	211	\$ 179	
2007	81,758,305	\$ 11,490,292	39,421,440	\$ 12,165,307	1,464,900	\$ 15,131,635	1,464	\$ 7,018	
2008	76,400,295	\$ 11,284,821	40,407,984	\$ 14,062,081	1,535,660	\$ 18,895,716	85,222	\$ 229,681	
2009	80,935,638	\$ 11,386,209	37,716,720	\$ 11,681,939	1,449,540	\$ 10,651,094	-	\$ -	
TOTALS	644,939,160	\$ 75,877,045	392,596,893	\$ 106,518,314	12,731,520	\$ 110,269,653	145,223	\$ 286,456	

**POWER PURCHASED AND PRODUCED  
NATURAL GAS AND FUEL OIL CONSUMED - 2009**

	KW-HOURS	COST
ELECTRIC POWER PURCHASED	80,935,638	\$11,386,209.43
ELECTRIC AND STREAM POWER GENERATED BY THE S.& W.B.*	37,716,720	\$11,681,938.76
TOTAL	118,652,358	\$23,068,148.19

NOTE: \*NATURAL GAS CONSUMED IN OPERATION WAS 1,448,540 MCF  
AT A COST OF \$10,651,094. FUEL OIL CONSUMED WAS 0 GALLONS  
AT A COST OF \$0.

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**

**WATER PUMPED AND CONSUMED - 2009**

<u>Number of Meters</u>		<u>Gallons</u>	<u>Percent</u>
	Free metered process water to various City departments and charitable institutions:		
9	Display Fountains	3,838,700	
36	Fire Department	9,435,600	
16	Swimming Pools	9,876,000	
12	Libraries	6,410,000	
103	Municipal	28,452,600	
244	Parks and Playgrounds	295,093,200	
76	Police Department	54,689,100	
161	Schools	<u>153,352,100</u>	
<u>657</u>		<u>561,147,300</u>	1.03%
216	Free metered process water by Sewerage and Water Board	410,735,500	0.75%
	Allowance for leaks on private property	321,461,800	0.59%
	Free unmetered process water:		
	Unmetered use, such as: extinguishment of fires, cleaning streets, flushing sewers, drains, and gutters, cleaning markets and other public buildings	38,577,718,300	70.85%
	Leaks in distribution system as measured by Water Conservation Service Company (WCSC)	1,201,521,600	2.21%
	Water sold to customers	<u>13,378,635,500</u>	<u>24.57%</u>
	<b>Total Water Pumped</b>	<u><u>54,451,220,000</u></u>	<u><u>100.00%</u></u>

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**

**Gallons Metered - Pay Water Consumption - 2009**

<u>Month</u>	<u>Monthly Consumption</u>
January	1,114,954,600
February	1,036,612,600
March	1,060,335,200
April	935,161,600
May	1,218,714,000
June	1,122,984,400
July	1,152,646,400
August	1,207,280,100
September	1,028,407,900
October	1,281,340,900
November	1,060,830,200
December	<u>1,159,367,600</u>
<b>Gross Total</b>	<u><u>13,378,635,500</u></u>

**SEWERAGE AND WATER BOARD OF NEW ORLEANS  
MONTHLY WATER CHARGES COLLECTED - 2009**

<u>Months</u>	<u>Water Service Charges &amp; Fees</u>	<u>Delinquent Fees</u>	<u>Total</u>
January	\$ 4,097,247.08	\$ 85,384.64	\$ 4,182,631.72
February	3,806,017.27	86,144.71	3,892,161.98
March	5,067,546.52	114,820.90	5,182,367.42
April	4,251,911.23	92,098.45	4,344,009.68
May	4,250,276.35	74,925.05	4,325,201.40
June	4,580,048.14	82,144.51	4,662,192.65
July	4,722,024.49	145,580.32	4,867,604.81
August	4,114,043.37	79,738.77	4,193,782.14
September	4,649,419.20	92,872.85	4,742,292.05
October	4,674,813.83	91,456.44	4,766,270.27
November	3,959,365.72	82,042.53	4,041,408.25
December	4,821,459.81	84,784.73	4,906,244.54
	<u>\$ 52,994,173.01</u>	<u>\$ 1,111,993.90</u>	<u>\$ 54,106,166.91</u>

**SEWERAGE AND WATER BOARD OF NEW ORLEANS  
MONTHLY SEWERAGE CHARGES COLLECTED - 2009**

<u>Months</u>	<u>Sewerage Service Charges</u>	<u>Delinquent Fees</u>	<u>Total</u>
January	\$ 5,841,975.19	\$ 57,025.31	\$ 5,899,000.50
February	5,043,104.94	57,530.06	5,100,635.00
March	6,324,479.66	76,661.80	6,401,141.46
April	5,517,156.42	61,503.24	5,578,659.66
May	5,061,688.07	50,054.22	5,111,742.29
June	5,874,629.78	54,873.16	5,929,502.94
July	5,974,673.91	97,167.35	6,071,841.26
August	5,396,988.56	53,261.60	5,450,250.16
September	5,676,477.94	62,023.45	5,738,501.39
October	5,815,062.27	61,085.04	5,876,147.31
November	4,966,506.13	54,799.40	5,021,305.53
December	5,975,734.21	56,636.66	6,032,370.87
	<u>\$ 67,468,477.08</u>	<u>\$ 742,621.29</u>	<u>\$ 68,211,098.37</u>

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**

**TABLE I  
CARROLLTON TURBIDITIES**

	River (NTU)					Effluent Settling Reservoirs (NTU)					Filters (NTU)				
	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009
Maximum	142	187	248	165	320	17	24	13	15	19	0.80	0.68	0.39	0.80	0.78
Minimum	2	2	3	7	5	0.9	0.8	1.0	1.0	1.1	0.07	0.08	0.09	0.09	0.09
Average	38	40	66	67	71	2.8	3.1	4.1	4.9	3.1	0.15	0.12	0.14	0.13	0.14

**TABLE II  
CARROLLTON ALKALINITIES  
PARTS PER MILLION**

	River					Effluent Settling Reservoirs					Filters				
	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009
Maximum	154	177	173	183	185	163	146	167	171	175	157	158	182	202	200
Minimum	84	83	86	78	83	80	66	68	63	72	81	75	78	71	80
Average	120	116	124	117	121	121	106	114	107	114	120	114	131	124	134

**TABLE II A  
CARROLLTON HARDNESS  
PARTS PER MILLION**

	NON-CARBONATE HARDNESS										TOTAL HARDNESS									
	RIVER					FILTERS					RIVER					FILTERS				
	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009
Maximum	77	70	88	70	91	84	79	90	78	92	207	200	230	250	211	210	198	240	250	227
Minimum	11	11	10	4	0	20	14	12	15	0	91	108	113	114	110	132	120	120	114	130
Average	40	38	47	38	33	52	48	54	50	40	159	154	171	155	153	172	161	186	175	173

**TABLE III  
CARROLLTON BACTERIAL CHARACTERISTICS  
Total Coliform Analysis**

2009	River	Plant Tap	Distribution System
Maximum (Colonies / 100 ml)	5,400	0	4
Minimum (Colonies / 100 ml)	86	0	0
Average (colonies / 100 ml)	880	0	0
Number of Samples	334	351	2,392
Number of Samples Negative	0	351	2,385
Number of Samples Positive	334	0	7

\* None of these seven total coliform positive samples were fecal coliform positive, and none resulted in a violation of the Total Coliform Rule.

SEWERAGE AND WATER BOARD OF NEW ORLEANS

TABLE IV-A

PRINCIPLE RESULTS OF OPERATION OF THE G3 CONVENTIONAL UNIT AT THE CARROLLTON WATER PURIFICATION PLANT FOR THE YEAR ENDING December 31, 2009

1	2	3	4	5	6	7	8	9	10	11	12	13
Month		Total Million Gallons of Water Treated During Month	Amount of Water Treated Million Gallons Per 24 Hours	Total Pounds of Polymer used at Intake	Polymer at Intake Parts Per Million	Total Pounds of Polymer used in Plant	Polymer in Plant Parts Per Million	Total Pounds of Pure Iron (Fe) used During Month	Pure Iron (Fe) Parts Per Million	NTU Turbidity of River Water	SPM Alkalinity of River Water	NTU Turbidity of Unit Effluent
January	Max. 0.00 Min. 0.00 Avg. 0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	173	111	
February	Max. 0.00 Min. 0.00 Avg. 0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	39	83	
March	Max. 0.00 Min. 0.00 Avg. 0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	109	58	
April	Max. 0.00 Min. 0.00 Avg. 0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	132	185	
May	Max. 0.00 Min. 0.00 Avg. 0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	38	87	
June	Max. 0.00 Min. 0.00 Avg. 0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	70	139	
July	Max. 0.00 Min. 0.00 Avg. 0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	320	182	
August	Max. 0.00 Min. 0.00 Avg. 0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	42	95	
September	Max. 0.00 Min. 0.00 Avg. 0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	111	140	
October	Max. 0.00 Min. 0.00 Avg. 0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	170	130	
November	Max. 0.00 Min. 0.00 Avg. 0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	35	93	
December	Max. 0.00 Min. 0.00 Avg. 0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	84	108	
TOTAL	Max. 0.00 Min. 0.00 Avg. 0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	131	145	
General	Max. 0.00 Min. 0.00 Avg. 0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	22	57	
	Max. 0.00 Min. 0.00 Avg. 0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	35	113	
	Max. 0.00 Min. 0.00 Avg. 0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	146	140	
	Max. 0.00 Min. 0.00 Avg. 0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	5	107	
	Max. 0.00 Min. 0.00 Avg. 0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	36	121	
	Max. 0.00 Min. 0.00 Avg. 0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	193	135	
	Max. 0.00 Min. 0.00 Avg. 0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	25	110	
	Max. 0.00 Min. 0.00 Avg. 0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	72	129	
	Max. 0.00 Min. 0.00 Avg. 0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	160	134	
	Max. 0.00 Min. 0.00 Avg. 0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	10	110	
	Max. 0.00 Min. 0.00 Avg. 0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	37	122	
	Max. 0.00 Min. 0.00 Avg. 0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	15	130	
	Max. 0.00 Min. 0.00 Avg. 0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	8	108	
	Max. 0.00 Min. 0.00 Avg. 0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	37	132	
	Max. 0.00 Min. 0.00 Avg. 0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	124	132	
	Max. 0.00 Min. 0.00 Avg. 0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	39	83	
	Max. 0.00 Min. 0.00 Avg. 0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	70	109	
	Max. 0.00 Min. 0.00 Avg. 0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	107	130	
	Max. 0.00 Min. 0.00 Avg. 0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	44	91	
	Max. 0.00 Min. 0.00 Avg. 0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	70	115	
	Max. 0.00 Min. 0.00 Avg. 0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	129	145	
	Max. 0.00 Min. 0.00 Avg. 0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	39	105	
	Max. 0.00 Min. 0.00 Avg. 0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	76	125	
	Max. 0.00 Min. 0.00 Avg. 0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	320	185	
	Max. 0.00 Min. 0.00 Avg. 0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	5	83	
	Max. 0.00 Min. 0.00 Avg. 0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	71	121	

SEWERAGE AND WATER BOARD OF NEW ORLEANS  
TABLE IV-B

PRINCIPLE RESULTS OF OPERATION OF THE G4 CONVENTIONAL UNIT AT  
THE CARROLLTON WATER PURIFICATION PLANT FOR THE YEAR ENDING  
December 31, 2009

1	2	3	4	5	6	7	8	9	10	11	12	13
Month		Total Millions of Gallons of Water Treated During Month	Amount of Water Treated Million Gallons Per 24 Hours	Total Pounds of Polymer used at Inhibitor	Polymer as Inhibitor Parts Per Million	Total Pounds of Polymer used in Plant	Polymer in Plant Parts Per Million	Total Pounds of Ferric Iron During Month	Pure Iron (Fe) Parts Per Million	NTU Turbidity of River Water	PPM Alkalinity of River Water	NTU Turbidity of Unit Effluent
January	Max. 80.73 Min. 70.17 Ave. 77.09	2,389.79	80.73 70.17 77.09	0	0.00	76,542	4.76 3.93 3.84	86,764	5.35 3.80 4.55	173 52 109	111 82 98	5.9 1.6 3.9
February	Max. 85.54 Min. 76.13 Ave. 82.56	2,311.79	85.54 76.13 82.56	0	0.00	62,982	4.07 2.57 3.27	71,295	4.60 3.20 3.70	132 38 70	185 87 139	5.5 1.9 3.3
March	Max. 86.96 Min. 80.04 Ave. 84.57	2,382.68	86.96 80.04 84.57	0	0.00	86,315	4.64 3.60 3.86	97,912	4.09 4.48 4.79	42 111 170	23 140 130	1.9 3.2 4.2
April	Max. 90.79 Min. 80.54 Ave. 84.58	2,566.84	90.79 80.54 84.58	0	0.00	79,085	3.03 3.09 3.69	89,491	4.45 4.18 4.11	33 84 138	93 108 145	1.6 2.6 3.9
May	Max. 90.62 Min. 82.46 Ave. 86.04	2,679.33	90.62 82.46 86.04	0	0.00	77,007	3.63 3.44 3.41	86,738	3.78 3.86 4.12	22 53 146	97 113 140	1.4 2.6 5.1
June	Max. 81.67 Min. 79.29 Ave. 80.69	2,492.33	81.67 79.29 80.69	0	0.00	64,127	3.59 1.97 3.01	77,764	3.28 3.64 4.19	5 56 121	107 121 155	1.1 2.7 2.8
July	Max. 82.96 Min. 73.54 Ave. 79.55	2,447.54	82.96 73.54 79.55	0	0.00	64,629	2.83 3.17 3.73	73,014	3.21 3.58 4.20	25 79 144	110 122 134	1.6 2.9 3.8
August	Max. 82.96 Min. 77.13 Ave. 80.04	2,420.00	82.96 77.13 80.04	0	0.00	68,986	3.45 3.52 3.57	77,006	3.88 3.95 4.02	10 37 73	110 122 150	1.7 2.6 5.7
September	Max. 82.96 Min. 79.70 Ave. 81.33	2,591.08	82.96 79.70 81.33	0	0.00	55,470	1.92 2.78 4.55	62,976	2.19 3.15 4.02	8 37 124	108 132 132	2.2 3.1 6.7
October	Max. 84.08 Min. 81.75 Ave. 82.92	2,534.21	84.08 81.75 82.92	0	0.00	61,966	2.86 3.24 4.55	77,964	3.25 3.69 5.13	39 70 107	83 109 130	1.6 3.3 4.8
November	Max. 80.21 Min. 82.23 Ave. 81.22	2,467.04	80.21 82.23 81.22	0	0.00	83,929	3.92 4.37 5.16	100,636	4.40 4.89 5.84	44 70 129	91 115 145	2.0 3.3 6.7
December	Max. 82.17 Min. 74.79 Ave. 79.25	2,472.29	82.17 74.79 79.25	0	0.00	94,107	4.28 4.57 5.16	106,142	4.86 5.15 5.84	38 76 125	103 125 185	2.0 3.6 9.8
Total	Max. 2,748.27 Min. 2,673.53 Ave. 2,710.90	27,482.7	2,748.27 2,673.53 2,710.90	0	0.00	887,585	3.16 3.58 3.58	1,007,723	3.84 4.06 4.06	320 71 121	185 83 121	9.8 3.1 3.1
General	Max. 81.50 Min. 70.17 Ave. 78.83	4,169.88	81.50 70.17 78.83	0	0.00	73,966	3.58	83,971	4.06	71	121	3.1

SEWERAGE AND WATER BOARD OF NEW ORLEANS  
TABLE IV-C

PRINCIPLE RESULTS OF OPERATION OF THE 13 CONVENTIONAL UNIT AT  
THE CARROLLTON WATER PURIFICATION PLANT FOR THE YEAR ENDING  
December 31, 2009

1	2	3	4	5	6	7	8	9	10	11	12	13
Month		Total Million Gallons of Water Treated During Month	Amount of Water Treated Million Gallons Per 24 Hours	Total Pounds of Polymer used at Intake	Polymer as Inlets Parts Per Million	Total Pounds of Polymer used in Plant	Polymer in Plant Parts Per Million	Total Pounds of Fe used During Month	Pure Iron (Fe) Parts Per Million	NTU Turbidity of River Water	PPM Alkalinity of River Water	NTU Turbidity of Unit Effluent
January	Max.		64.58	0.00	0.00	59,096	5.06	66,540	5.25	173	111	6.2
	Min.	1,818.79	52.96	0	0.00		3.11		3.79	39	83	1.9
	Ave.		58.99		0.00		3.87		4.36	109	98	3.3
February	Max.		58.00	0.00	0.00	43,616	4.21	48,759	4.79	132	183	4.2
	Min.	1,527.33	52.17	0	0.00		2.87		3.20	38	87	1.8
	Ave.		54.70		0.00		3.27		3.60	70	139	2.7
March	Max.		58.29	0.00	0.00	56,219	4.80	69,813	5.76	320	182	4.3
	Min.	1,692.79	52.79	0	0.00		3.36		4.54	42	95	1.6
	Ave.		55.14		0.00		4.00		4.54	111	140	2.8
April	Max.		60.00	0.00	0.00	44,899	4.46	55,259	5.08	170	150	3.9
	Min.	1,577.38	47.33	0	0.00		2.93		3.29	35	93	1.6
	Ave.		52.58		0.00		3.71		4.20	84	108	2.8
May	Max.		55.92	0.00	0.00	41,902	3.59	46,830	4.37	138	145	3.8
	Min.	1,517.42	46.63	0	0.00		2.71		3.04	22	57	1.7
	Ave.		50.58		0.00		3.32		3.71	55	113	2.7
June	Max.		61.96	0.00	0.00	44,138	3.63	49,737	4.14	146	140	3.7
	Min.	1,625.83	48.33	0	0.00		3.02		3.36	5	107	1.5
	Ave.		50.48		0.00		3.37		3.79	56	121	2.5
July	Max.		63.92	0.00	0.00	45,055	3.18	51,033	3.62	193	155	4.1
	Min.	1,862.21	37.96	0	0.00		2.43		2.74	25	110	1.4
	Ave.		60.07		0.00		2.90		3.29	79	129	2.4
August	Max.		61.63	0.00	0.00	34,606	2.65	43,886	3.03	160	134	4.0
	Min.	1,854.63	55.17	0	0.00		1.95		2.22	10	110	1.5
	Ave.		59.83		0.00		2.50		2.84	37	122	2.3
September	Max.		61.88	0.00	0.00	33,025	2.55	37,211	2.86	73	150	4.1
	Min.	1,812.79	58.46	0	0.00		1.49		1.68	8	108	1.8
	Ave.		60.43		0.00		2.18		2.46	37	132	2.9
October	Max.		61.67	0.00	0.00	48,228	4.33	54,422	5.11	124	132	6.5
	Min.	1,674.42	58.50	0	0.00		2.46		2.77	39	83	2.2
	Ave.		60.62		0.00		3.42		3.87	70	109	3.7
November	Max.		63.63	0.00	0.00	70,700	5.28	79,463	5.93	107	130	4.7
	Min.	1,765.50	55.33	0	0.00		4.37		4.93	44	91	1.9
	Ave.		58.85		0.00		4.80		5.40	70	115	3.4
December	Max.		67.63	0.00	0.00	42,367	4.07	47,592	4.56	129	145	5.4
	Min.	1,748.54	47.00	0	0.00		1.95		2.23	39	103	2.5
	Ave.		56.34		0.00		2.87		3.23	76	125	3.9
Total		20,685.63	67.63	0	0.00	571,854	5.28	644,387	5.93	320	185	6.5
General	Max.	1,874.42	67.63	0	0.00	70,700	5.28	79,463	5.93	320	185	6.5
	Ave.	1,517.42	46.63	0	0.00	33,025	1.49	37,211	1.68	5	83	1.4
		1,729.80	56.67	0	0.00	47,655	3.31	53,716	3.74	71	121	3.0

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**  
**TABLE IV-D**

**PRINCIPLE RESULTS OF OPERATION OF THE L4 CONVENTIONAL UNIT AT  
THE CARROLLTON WATER PURIFICATION PLANT FOR THE YEAR ENDING  
December 31, 2009**

1	2	3	4	5	6	7	8	9	10	13	14	15
Month	Total Million Gallons of Water Treated During Month	Amount of Water Treated Million Gallons Per 24 Hours	Total pounds of Polymer used at intake	Polymer at Intake Parts Per Million	Total Pounds of Polymer used in Plant	Polymer in Plant Parts Per Million	Total Pounds of Pure Iron (Fe) used During Month	Pure Iron (Fe) Parts Per Million	NTU Turbidity of River Water	PPM Alkalinity of River Water	NTU Turbidity of Unit Effluent	
January	Max.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	173	111	
	Min.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	39	83	
	Ave.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	109	98	
February	Max.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	132	185	
	Min.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	38	87	
	Ave.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	70	139	
March	Max.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	320	182	
	Min.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42	95	
	Ave.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	111	146	
April	Max.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	170	130	
	Min.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35	98	
	Ave.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	84	108	
May	Max.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	138	145	
	Min.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22	97	
	Ave.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	55	113	
June	Max.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	146	140	
	Min.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5	107	
	Ave.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	56	121	
July	Max.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193	155	
	Min.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25	110	
	Ave.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	79	129	
August	Max.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	160	134	
	Min.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10	110	
	Ave.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37	122	
September	Max.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	73	130	
	Min.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8	108	
	Ave.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37	132	
October	Max.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	124	132	
	Min.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32	82	
	Ave.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	70	109	
November	Max.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	107	130	
	Min.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44	91	
	Ave.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	70	115	
December	Max.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	129	145	
	Min.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	39	105	
	Ave.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	76	125	
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	320	185	
General	Max.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9	83	
	Min.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	71	121	
	Ave.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			





SEWERAGE AND WATER BOARD OF NEW ORLEANS

TABLE VI-A  
MONTHLY SUMMARY OF CARROLLTON WATER PURIFICATION PLANT FILTER OPERATIONS FOR THE YEAR ENDING, December 31, 1940

1 Month	2 Total Million Gallons Water Filtered During Month		3 Total Number of Runs		4 Length of Runs in Hours		5 Million Gallons of Water Filtered Per Run		6 Million Gallons of Wash Water Used		7 Total Amount in Million Gallons of Wash Water Used		8 Million Gallons of Wash Water Used Per Run		9 Percentage of Wash Water Used Per Run		10 Million Gallons Filtered Per Acre Per Day		11 New
	Old	New	Old	New	Old	New	Old	New	Old	New	Old	New	Old	New	Old	New	Old	New	
January	Max.		109	78	213	29,475	45,429	2,403,909	1,935,234	1,817	1,917	1,256	5,656	0.860	2.49	1.54	1.89	86,029	85,567
	Min.				44	11,917	8,772												
	Ave.				143	16,837	30,845												
February	Max.		94	68	203	21,000	43,227	2,196,426	1,594,500	1,809	2,647	4,703	4,703	0.299	3.07	1.42	2.07	80,575	79,402
	Min.				117	8,750	24,928												
	Ave.				142	11,659	32,500												
March	Max.		105	68	197	18,250	38,470	2,159,344	1,616,463	2,608	4,776	4,776	4,776	0.322	2.59	1.61	2.31	79,383	75,984
	Min.				119	11,334	22,233												
	Ave.				143	15,538	31,441												
April	Max.		108	66	192	20,875	40,358	2,226,631	1,724,624	2,600	4,726	4,726	4,726	0.392	2.50	1.40	2.34	81,579	78,424
	Min.				119	11,667	26,408												
	Ave.				148	15,959	33,784												
May	Max.		93	68	215	21,073	41,201	2,482,172	1,647,823	2,721	4,984	4,984	4,984	0.254	4.80	1.40	1.81	81,827	83,971
	Min.				52	6,120	22,212												
	Ave.				133	17,246	33,914												
June	Max.		93	70	172	20,875	37,696	2,222,720	1,644,044	2,684	4,591	4,591	4,591	0.256	2.97	1.42	2.11	68,179	76,133
	Min.				164	11,504	21,947												
	Ave.				165	18,198	31,728												
July	Max.		97	78	167	20,875	35,908	2,372,151	1,762,016	2,342	4,600	4,600	4,600	0.294	3.00	1.42	2.24	83,466	79,657
	Min.				70	5,917	25,318												
	Ave.				139	18,166	30,462												
August	Max.		87	76	190	23,873	38,318	2,383,385	1,574,307	2,540	4,796	4,796	4,796	0.292	1.60	1.15	2.56	77,318	78,915
	Min.				165	11,259	21,979												
	Ave.				171	18,101	30,729												
September	Max.		94	74	191	23,873	41,329	2,447,944	1,637,814	2,637	5,122	5,122	5,122	0.297	2.17	1.34	2.20	80,370	84,594
	Min.				166	13,667	23,231												
	Ave.				167	18,346	33,081												
October	Max.		94	72	173	25,876	41,250	2,146,960	1,729,226	2,672	4,364	4,364	4,364	0.300	5.85	1.08	2.35	81,975	78,418
	Min.				39	4,173	21,131												
	Ave.				164	18,362	29,812												
November	Max.		83	74	181	23,873	38,317	2,492,609	1,653,559	3,168	5,319	5,319	5,319	0.298	4.96	1.24	2.43	102,521	81,215
	Min.				71	7,333	28,000												
	Ave.				152	19,225	31,884												
December	Max.		92	74	192	24,609	39,002	2,465,862	1,737,230	2,714	5,050	5,050	5,050	0.296	2.44	1.23	2.42	82,614	84,455
	Min.				142	11,917	29,375												
	Ave.				167	18,883	31,285												
Total	Max.		1155	866	5,975	59,859	1,151,141	20,372,170	15,372,170	52,310	51,119	340,650	777,265	3,540	10,442	76,35	109,25	991,735	966,198
	Min.				44	4,873	46,829												
	Ave.				151	17,607	32,546												
General	Max.		109	78	215	21,073	41,201	2,482,172	1,647,823	2,721	4,984	4,984	4,984	0.254	4.80	1.40	1.81	81,827	83,971
	Min.				52	6,120	22,212												
	Ave.				133	17,246	33,914												

SEWERAGE AND WATER BOARD OF NEW ORLEANS

TABLE VI-B

MONTHLY SUMMARY OF ALGIERS FILTER OPERATIONS FOR THE YEAR ENDING: December 31, 2009

1	2	3	4	5	6	7	8	9	10
Month		Total Million Gallons Water Filtered During Month of Run	Total Number of Runs	Length of Run in Hours	Million Gallons of Water Filtered Per Run	Million Gallons Per Day Per Filter	Total Amount in Million Gallons of Wash Water Used	Million Gallons of Wash Water Used Per Run	Percentage of Wash Water Used Per Run
January	Max.			189	7,875				3.68
	Min.	297.69	51	140	9,417	0.80	6.41	0.126	1.60
	Ave.			168	5,837				2.15
February	Max.			184	7,666				3.72
	Min.	289.43	48	145	3,500	0.86	6.26	0.130	1.70
	Ave.			167	4,990				2.16
March	Max.			170	7,084				3.15
	Min.	332.66	54	162	4,250	0.89	7.24	0.134	1.89
	Ave.			167	6,160				2.18
April	Max.			191	7,209				3.70
	Min.	336.03	54	143	4,354	0.93	7.08	0.131	2.23
	Ave.			167	7,209				2.23
May	Max.			170	7,084				4.12
	Min.	298.13	48	161	3,458	0.80	6.82	0.142	2.09
	Ave.			166	6,211				2.29
June	Max.			170	7,084				5.06
	Min.	346.53	54	164	3,521	0.96	6.95	0.178	2.52
	Ave.			168	6,417				2.01
July	Max.			170	7,084				2.86
	Min.	321.14	54	161	4,645	0.86	7.18	0.133	1.88
	Ave.			166	5,947				2.24
August	Max.			173	7,209				5.79
	Min.	311.70	52	50	2,084	0.84	6.28	0.121	1.67
	Ave.			165	5,994				2.01
September	Max.			170	8,125				2.78
	Min.	334.63	54	165	4,708	0.93	7.04	0.130	1.61
	Ave.			167	6,197				2.10
October	Max.			170	7,375				2.85
	Min.	325.17	51	164	4,875	0.87	7.09	0.139	1.88
	Ave.			167	6,375				2.18
November	Max.			169	7,042				3.02
	Min.	331.13	51	164	4,395	0.92	6.76	0.133	1.88
	Ave.			167	6,493				2.04
December	Max.			173	7,208				2.26
	Min.	394.76	57	160	5,813	1.06	7.54	0.132	1.84
	Ave.			167	6,972				1.91
Total		3919.00	528			10.72	82.65	1.629	
General	Max.			191	8,125				5.79
	Min.	394.76	57	50	2,084	0.80	6.26	0.121	1.60
	Ave.			167	6,229	0.89	6.89	0.136	2.13

SEWERAGE AND WATER BOARD OF NEW ORLEANS

TABLE VII

FIVE YEAR ANALYSIS COMPOSITE DATA (2005 - 2009) FOR NEW ORLEANS  
DRINKING WATER PURIFICATION SYSTEM

PARAMETER	MISSISSIPPI RIVER (Before Purification)			FINISHED WATER (After Purification)		
	MAX	MIN	AVG	MAX	MIN	AVG
Total Alkalinity (ppm as CaCO3)	185	78	120	205	72	124
Total Hardness (ppm as CaCO3)	250	91	158	242	124	174
Noncarbonate Hardness (ppm as CaCO3)	70	0	39	64	0	60
Calcium Hardness (ppm as CaCO3)	188	75	112	180	82	128
Magnesium Hardness (ppm as CaCO3)	66	0	46	68	3	48
Nepheometric Turbidity (N.T.U.)	320	2	56	0.44	0.07	0.13
pH	8.53	7.15	7.82	8.39	7.02	8.58
Chloride (ppm)	86	17	45	88	21	44
Fluoride (ppm)	0.68	0.10	0.24	1.26	0.12	0.80
Total Dissolved Solids (ppm)	342	88	238	298	114	213
Total Suspended Solids (ppm)	215	7	71	---	---	---
Free Chlorine Residual (ppm as CL2)	---	---	---	3.4	0.0	0.4
Total Chlorine Residual (ppm as CL2)	---	---	---	5.7	0.0	2.7
Ammonia (ppm as N)	---	---	---	0.99	0.00	0.13
Nitrate + Nitrite (ppm as N) *	---	---	---	2	1	1.5
Conductivity (umhos/cm)	582	177	345	595	80	388
Temperature (Deg. F.)	90	40	67	80	52	74
Aluminum (ppb) *	---	---	---	10	0	3
Antimony (ppb) *	---	---	---	0	0	0
Arsenic (ppb) *	---	---	---	1	0	0
Barium (ppb) *	---	---	---	68	0	23
Beryllium (ppb) *	---	---	---	0	0	0
Cadmium (ppb) *	---	---	---	0	0	0
Chromium (ppb) *	---	---	---	0	0	0
Copper (ppb) **	---	---	---	0.3	0.0	0.1
Iron (ppb) *	---	---	---	40	0	12
Lead (ppb) **	---	---	---	0.031	0.000	0.006
Manganese (ppb) *	---	---	---	30	0	2
Mercury (ppb) *	---	---	---	0	0	0
Nickel (ppb) *	---	---	---	0	0	0
Selenium (ppb) *	---	---	---	0	0	0
Silver (ppb) *	---	---	---	0	0	0
Thallium (ppb) *	---	---	---	0	0	0
Zinc (ppb) *	---	---	---	43	0	11
Potassium (ppm) *	---	---	---	5.3	2.7	3.8
Sodium (ppm) *	---	---	---	24.7	11.8	20.2
Haloacetic Acids (HAA6) (ppb)	---	---	---	82	0	19
Total Organic Carbon (ppm)	5.0	2.9	4.0	3.5	1.8	2.8
Total Trihalomethanes (ppb)	1.8	0.0	0.0	154.4	7.9	29.7
1, 2-Dichloroethane (ppb)	0.2	0.0	0.0	6.4	0.0	0.0
Chloroform (ppb)	1.8	0.0	0.0	102.7	5.2	19.3
Carbon Tetrachloride (ppb)	0.1	0.0	0.0	2.1	0.0	0.0
Bromodichloromethane (ppb)	0.2	0.0	0.0	43.4	0.6	6.4
Tetrachloroethene (ppb)	0.1	0.0	0.0	0.1	0.0	0.0
BTX (Benzene, Toluene & Xylenes) (ppb)	49.7	0.0	0.1	7.8	0.0	0.0
Total Coliforms (colonies/100 ml)	16800	0	1000	189	0	0
Fecal coliforms (colonies/100 ml)	4100	0	140	0	0	0

\* Note: The results for constituents indicated with asterisks are from the Louisiana Department of Health and Hospitals. Total Organic Carbon and Haloacetic Acid results are from a DHH-OPH certified contract lab. All other results are from testing by the S&WB Water Quality Laboratory. Concerning the chemical results, the S&WB Water Quality Laboratory does not meet the higher criteria required by DHH-OPH to be classified as a "DHH-OPH Certified Chemical Laboratory/Drinking Water," therefore, any results reported by this laboratory for chemical drinking water parameters which are required to be analyzed in a certified laboratory are officially deemed invalid.

The S&WB Laboratory is certified for Total Coliform and Fecal Coliform bacteriological testing.

\*\* Note: The lead and copper testing was performed in 2008 by LA DHH.

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**

**TABLE VIII**

**CARROLLTON OPERATION**

CHEMICAL	CHEMICAL COST	CHEMICAL COST PER MILLION GALLONS
Lime	\$413,287.69	\$8.18
Ferric Coagulant	\$1,765,612.78	\$34.95
Chlorine	\$857,840.11	\$16.98
Sodium Polyphosphate	\$96,935.63	\$1.92
Polyelectrolyte	\$376,216.37	\$7.45
Fluoride	\$362,552.35	\$7.18
Ammonia	\$212,098.90	\$4.20
Carbon	\$0.00	\$0.00
<b>TOTAL CHEMICALS</b>	<b>\$4,084,543.84</b>	<b>\$80.86</b>

Purification Plant Operating Cost:  
 Total Water Treated in 2009: 50,515,380,000 Gallons

**TOTAL COST  
 PER MILLION GALLONS**

YEAR	TOTAL WATER	OPERATING COST	TOTAL COST PER MILLION GALLONS
2009	50,515.38	\$7,672,872.00	\$151.89
2008	48,867.31	\$8,283,745.00	\$169.52
2007	48,931.79	\$6,499,521.00	\$132.83
2006	51,000.17	\$5,591,146.00	\$109.63
2005	47,574.62	\$5,006,994.00	\$105.25

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**

**TABLE IX**

**ALGIERS OPERATION**

CHEMICAL	CHEMICAL COST	CHEMICAL COST PER MILLION GALLONS
Lime	\$145,760.71	\$37.03
Ferric Coagulant	\$177,914.75	\$45.20
Sodium Hypochlorite (purchased)	\$46,072.24	\$11.71
Sodium Polyphosphate	\$40,093.03	\$10.19
Polyelectrolyte	\$30,616.69	\$7.78
Fluoride (100%)	\$24,672.27	\$6.27
Ammonia	\$19,513.30	\$4.96
Sodium Chloride*	\$36,981.19	\$9.40
Sodium Hydroxide*	\$10,011.00	\$2.54
Sodium Bisulfite*	\$4,794.00	\$1.22
Hydrochloric Acid*	\$3,776.00	\$0.96
Carbon	\$0.00	\$0.00
<b>TOTAL CHEMICALS</b>	<b>\$540,205.18</b>	<b>\$137.25</b>

\*used in on-site generation of chlorine/hypochlorite

Purification Plant Operating Cost:

Total Water Treated in 2009: 3,935,840,000 Gallons

**TOTAL COST  
PER MILLION GALLONS**

YEAR	TOTAL WATER	OPERATING COST	TOTAL COST PER MILLION GALLONS
2009	3,935.84	\$1,894,092.00	\$481.24
2008	3,788.95	\$2,029,729.00	\$535.70
2007	4,427.16	\$1,700,033.00	\$384.00
2006	4,261.05	\$1,435,527.00	\$336.90
2005	3,723.03	\$1,678,615.00	\$450.87
2004	3,705.98	\$1,312,385.00	\$354.13

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**

**TABLE X**

**SLUDGE REMOVED FROM THE "G" BASINS PRIMARY TREATMENT UNITS  
DOOR MONORAKE CONVENTIONAL SYSTEM  
2009**

Total Million Gallons Water Treated	29,697.47
Total Tons Dry Sludge Deposited in Basins Including suspended and Dissolved Solids Removed and Reacting Chemicals	17,473
Total Million Gallons Wet Sludge Withdrawn from Basins	187.95
Average Percent solids in Wet Sludge	2.18
Total Million Gallons Water Used in withdrawing Sludge	186.20
Percent of Total Water Treated Used in Withdrawing Wet Sludge	0.63

**TABLE X-A**

**SLUDGE REMOVED FROM THE "L" BASINS PRIMARY TREATMENT UNITS  
DOOR MONORAKE CONVENTIONAL SYSTEM  
2009**

Total Million Gallons Water Treated	20,685.63
Total Tons Dry Sludge Deposited in Basins Including suspended and Dissolved Solids Removed and Reacting Chemicals	12,142
Total Million Gallons Wet Sludge Withdrawn from Basins	686.32
Average Percent solids in Wet Sludge	0.42
Total Million Gallons Water Used in withdrawing Sludge	685.10
Percent of Total Water Treated Used in Withdrawing Wet Sludge	3.32

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**  
**TABLE XI**

**2009 ANALYSIS DATA FOR NEW ORLEANS**  
**DRINKING WATER PURIFICATION SYSTEM**

PARAMETER	MISSISSIPPI RIVER (Before Purification)			FINISHED WATER (After Purification)		
	MAX	MIN	AVG	MAX	MIN	AVG
Total Alkalinity (ppm as CaCO <sub>3</sub> )	185	83	121	205	83	134
Total Hardness (ppm as CaCO <sub>3</sub> )	211	110	153	240	126	174
Noncarbonate Hardness (ppm as CaCO <sub>3</sub> )	91	0	33	94	0	41
Calcium Hardness (ppm as CaCO <sub>3</sub> )	160	76	106	180	89	128
Magnesium Hardness (ppm as CaCO <sub>3</sub> )	96	0	47	93	5	46
Nephelometric Turbidity (N.T.U.)	320	5	71	0.23	0.09	0.13
pH	8.32	7.2	7.82	9.39	7.22	8.81
Chloride (ppm)	52	17	33	55	21	35
Fluoride (ppm)	0.52	0.12	0.21	1.2	0.18	0.78
Total Dissolved Solids (ppm)	288	88	241	272	114	200
Total Suspended Solids (ppm)	104	7	59	---	---	---
Free Chlorine Residual (ppm as Cl <sub>2</sub> )	---	---	---	0.6	0.0	0.3
Total Chlorine Residual (ppm as Cl <sub>2</sub> )	---	---	---	5.0	1.7	3.3
Ammonia (ppm as N)	---	---	---	0.55	0.01	0.14
Nitrate + Nitrite (ppm as N) *	---	---	---	2	2	2
Sulfate (ppm) *	---	---	---	43	43	43
Conductivity (umhos/cm)	399	209	290	463	229	340
Temperature (Deg. F.)	86	42	65	88	52	72
Azuroform (ppm) *	---	---	---	0.00	0.00	0.00
Antimony (ppm) *	---	---	---	0.000	0.000	0.000
Arsenic (ppm) *	---	---	---	0.001	0.001	0.001
Barium (ppm) *	---	---	---	0	0	0
Beryllium (ppm) *	---	---	---	0.000	0.000	0.000
Cadmium (ppm) *	---	---	---	0.000	0.000	0.000
Chromium (ppm) *	---	---	---	0.00	0.00	0.00
Copper (ppm) **	---	---	---	0.3	0.0	0.1
Iron (ppm) *	---	---	---	0.02	0.02	0.02
Lead (ppm) **	---	---	---	0.031	0.000	0.006
Manganese (ppm) *	---	---	---	0.00	0.00	0.00
Mercury (ppm) *	---	---	---	0.000	0.000	0.000
Nickel (ppm) *	---	---	---	0.0	0.0	0.0
Selenium (ppm) *	---	---	---	0.00	0.00	0.00
Silver (ppm) *	---	---	---	0.00	0.00	0.00
Thallium (ppm) *	---	---	---	0.000	0.000	0.000
Zinc (ppm) *	---	---	---	0	0	0
Potassium (ppm) *	---	---	---	5.2	5.2	5.2
Sodium (ppm) *	---	---	---	21.5	21.5	21.5
Cyanide (ppb) *	---	---	---	0.0	0.0	0.0
Haloacetic Acids (HAAs) (ppb)	---	---	---	26.0	9.0	18.8
Total Organic Carbon (ppb)	4.6	3.3	3.9	3.5	2.6	3.0
Total Trihalomethanes (ppb)	0.0	0.0	0.0	42.1	9.7	24.3
1, 2-Dichloroethane (ppb)	0.0	0.0	0.0	0.0	0.0	0.0
Chloroform (ppb)	0.0	0.0	0.0	32.1	6.9	16.5
Carbon Tetrachloride (ppb)	0.0	0.0	0.0	0.0	0.0	0.0
Bromodichloromethane (ppb)	0.0	0.0	0.0	12.8	2.0	6.4
Tetrachloroethene (ppb)	0.0	0.0	0.0	0.0	0.0	0.0
BTX (Benzene, Toluene & Xylenes) (ppb)	0.0	0.0	0.0	0.0	0.0	0.0
Total Coliforms (colonies/100 ml)	5400	86	880	4	0	0
Fecal Coliforms (colonies/100 ml)	1500	0	92	0	0	0

\* Note: The results for constituents indicated with asterisks are from the Louisiana Department of Health and Hospitals. Total Organic Carbon and Haloacetic Acid results are from MWH Laboratories. All other results are from testing by the S&WB Water Quality Laboratory. Concerning the chemical results, the S&WB Water Quality Laboratory does not meet the higher criteria required by DHH-OPH to be classified as a "DHH-OPH Certified Chemical Laboratory/Drinking Water," therefore, any results reported by this laboratory for chemical drinking water parameters which are required to be analyzed in a certified laboratory are officially deemed invalid.

The S&WB Laboratory is certified for Total Coliform and Fecal Coliform bacteriological testing.

\*\* Note: The lead and copper testing was performed in 2008 by LA DHH.

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**

**TABLE XII**

**EXTRACTS FROM TABLES IV-E AND V**  
**20 Year Period, 1990 to 2009 Inclusive**  
**Maximum, Minimum, and Average Amount of**  
**Water Treated Per Day**  
**(M.G. per 24 Hours)**

YEAR	CARROLLTON			ALGIERS		
	MAX.	MIN.	AVG.	MAX.	MIN.	AVG.
1990	162.50	100.46	119.61	14.78	8.00	10.46
1991	133.29	98.92	114.79	12.50	8.00	9.60
1992	139.00	97.00	115.22	13.88	8.00	9.88
1993	140.38	103.25	117.41	15.42	7.62	10.18
1994	128.88	103.88	113.71	17.00	8.00	11.47
1995	142.83	104.67	121.40	18.14	9.00	11.55
1996	198.42	91.59	128.97	18.27	9.00	11.47
1997	156.53	112.70	128.73	18.83	9.58	12.06
1998	152.96	98.48	126.86	22.96	12.00	12.36
1999	168.25	122.55	140.26	22.00	8.90	15.19
2000	152.50	126.71	128.10	18.83	7.58	12.13
2001	153.93	107.75	126.70	15.76	6.00	10.90
2002	128.67	87.00	106.63	14.00	6.66	9.80
2003	144.26	90.75	115.35	13.16	8.00	10.06
2004	145.83	102.92	122.57	13.16	8.00	10.15
2005	144.00	0.00	115.47	22.67	7.00	10.20
2006	165.63	115.33	139.73	18.34	8.00	11.67
2007	144.75	124.00	134.06	16.00	10.00	12.13
2008	143.50	114.08	133.88	13.58	6.92	10.38
2009	147.92	129.83	138.17	14.00	8.00	10.78

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**

TABLE XIII

Monthly Temperature (Degrees Fahrenheit) of the  
Mississippi River Water at the Carrollton Plant

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
January	50	39	45	48	49	49	50	52	50	50
February	49	44	46	48	47	48	51	47	53	46
March	55	49	49	51	54	51	55	56	55	51
April	60	57	56	60	62	62	63	63	63	58
May	69	69	67	70	71	71	74	71	68	69
June	78	75	74	73	79	81	83	79	77	79
July	83	82	82	79	83	85	86	82	80	85
August	86	84	84	81	84	88	88	85	82	84
September	84	83	82	80	81	— *	86	82	78	81
October	72	73	73	73	74	76	78	75	71	70
November	63	63	62	65	65	66	63	63	63	59
December	47	56	53	53	53	51	54	58	55	49
Maximum	87	87	85	83	87	90	90	89	85	86
Minimum	39	36	42	46	45	42	46	40	42	42
Average	66	65	64	64	67	66	69	68	66	65

<u>Ten Year Period</u>	
Maximum:	90
Minimum:	36
Average:	66

\* Data not available for  
September 2005 due  
to hurricane Katrina.

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**

**TABLE XIV**

**Monthly Temperature (Degrees Farenheit) of the  
Tap Water at the Carrollton Plant**

	2005	2006	2007	2008	2009
January	67	66	65	67	66
February	66	64	64	69	65
March	68	71	70	71	68
April	75	77	72	72	70
May	79	79	76	76	74
June	82	84	76	81	78
July	84	84	79	83	80
August	87	86	78	80	78
September	— *	84	77	80	77
October	77	81	77	78	74
November	75	72	74	72	69
December	68	67	71	68	65
Maximum	90	90	85	86	88
Minimum	61	54	58	59	51
Average	75	76	73	75	72

<u>Five Year Period</u>		* Data not available for September of 2005 due to hurricane Katrina.
Maximum	90	
Minimum	51	
Average	74	

SEWERAGE AND WATER BOARD OF NEW ORLEANS

New Orleans West Bank Sewerage Treatment Plant  
2009 Yearly Summary

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2009 Average
PLANT FLOW (MGD)	10.14	7.9	10.31	7.67	6.78	7.51	8.91	8.99	12.26	13.24	7.77	17.49	8.88
Average	10.14	7.9	10.31	7.67	6.78	7.51	8.91	8.99	12.26	13.24	7.77	17.49	8.88
Maximum	29.21	19.4	23.51	16.44	9.9	14.03	16.7	20.44	33.88	24.7	13.47	34.19	24.8
EFFLUENT BOD (mg/l)	84.9	116.4	84.3	101	109.5	94.4	87.9	84.9	66.3	81	104.5	86.5	85.7
Average	84.9	116.4	84.3	101	109.5	94.4	87.9	84.9	66.3	81	104.5	86.5	85.7
Maximum	191	189	198	168	164	155	208	180	101	211	184	182	211
EFFLUENT TSS (mg/l)	184.7	94	108.3	118.3	139.4	134.9	88	86.3	88.8	104.2	112.2	137.2	109.9
Average	184.7	94	108.3	118.3	139.4	134.9	88	86.3	88.8	104.2	112.2	137.2	109.9
Maximum	498	370	336	306	372	314	270	238	186	351	253	434	428
EFFLUENT BOD (lb/day)	8331	7,527	6,594	6,269	6,265	6,536	6,894	5,778	4,807	5,181	7,101	12,511	7,445
Average	8331	7,527	6,594	6,269	6,265	6,536	6,894	5,778	4,807	5,181	7,101	12,511	7,445
Maximum	41,821	10,448	11,763	8,729	12,845	12,627	24,492	16,238	13,226	14,824	14,278	24,324	16,824
EFFLUENT TSS (lb/day)	12,761	6,411	8,469	7,339	7,299	7,810	6,877	7,810	9,777	11,191	7,251	18,621	9,421
Average	12,761	6,411	8,469	7,339	7,299	7,810	6,877	7,810	9,777	11,191	7,251	18,621	9,421
Maximum	61,268	13,183	23,710	17,660	23,218	16,948	27,449	23,838	40,332	40,418	16,004	71,399	40,418
EFFLUENT BOD (mg/l)	34	17	13	12	7	9	8	8	7	11	8	7	8
Average	34	17	13	12	7	9	8	8	7	11	8	7	8
Maximum	26	19	17	15	11	10	10	11	10	13	11	11	11
EFFLUENT TSS (mg/l)	10	9	11	11	6	7	11	8	8	8	7	10	9.2
Average	10	9	11	11	6	7	11	8	8	8	7	10	9.2
Maximum	16	13	13	13	10	13	12	11	12	10	12	13	13
EFFLUENT BOD (lb/day)	1,194	1,087	1,067	711	578	697	621	699	670	1,043	517	1,204	827
Average	1,194	1,087	1,067	711	578	697	621	699	670	1,043	517	1,204	827
Maximum	2,031	1,570	1,748	1,210	731	648	384	793	1,178	1,481	836	1,786	1,178
EFFLUENT TSS (lb/day)	1,190	550	887	714	469	660	782	611	914	1,061	472	1,383	820
Average	1,190	550	887	714	469	660	782	611	914	1,061	472	1,383	820
Maximum	1,615	1,046	1,384	1,451	821	870	1,057	739	1,514	1,432	723	2,103	1,514
EFFLUENT CL2 (mg/l)	1.69	1.18	1.12	1.23	1.15	1.24	1.15	1.26	1.08	1.14	1.29	1.1	1.18
Average	1.69	1.18	1.12	1.23	1.15	1.24	1.15	1.26	1.08	1.14	1.29	1.1	1.18
Maximum	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
EFFLUENT CHLORINE (mg/l)	3	2	6	4	4	4	3	3	3	4	3	3	3
Average (Gpd)	3	2	6	4	4	4	3	3	3	4	3	3	3
Maximum (Gpd)	4	4	31	4	4	6	4	4	4	4	4	4	4
EFFLUENT pH (pH)	7.11	7.22	7.14	7.17	6.85	6.99	6.81	6.87	6.6	7.11	6.94	7.17	6.80
Average	7.11	7.22	7.14	7.17	6.85	6.99	6.81	6.87	6.6	7.11	6.94	7.17	6.80
Maximum	7.63	7.63	7.61	7.71	7.43	7.27	7.21	7.54	7.8	7.78	7.7	7.76	7.51
DISCHARGE SOLIDS (dry tons)	4.7	3	3.6	3.8	3	2.8	2.7	2.9	4	2.3	3.4	3.4	3.4
Average per day	4.7	3	3.6	3.8	3	2.8	2.7	2.9	4	2.3	3.4	3.4	3.4
Total	147.2	87.3	110.6	85.4	79.3	85.3	82.7	89.2	119.7	61.3	101.2	106.2	106.2
ELECTRICITY (kwh)	10,418	1,223	9,683	8,700	2,497	9,086	9,569	9,610	12,477	10,020	9,533	14,167	9,533
Average per day	10,418	1,223	9,683	8,700	2,497	9,086	9,569	9,610	12,477	10,020	9,533	14,167	9,533
Total (kwh)	324,135	265,205	290,325	252,201	213,138	268,463	277,205	292,079	277,234	311,778	288,283	434,833	3,082,819
RAINFALL (inches)	4.82	1.67	3.2	0.59	4.4	2.85	4.65	18.29	9.89	6.19	0.41	21.77	7.21
Total	4.82	1.67	3.2	0.59	4.4	2.85	4.65	18.29	9.89	6.19	0.41	21.77	7.21

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**

Annual Report 2009

**SEWER TABULATION NO. 1**

Sewer Lines Laid During 2009

**QUANTITIES OF PIPE MEASURED IN FEET**

ITEMS	BY CONTRACT	BY OTHERS	TOTAL FEET	TOTAL MILES
6" P.V.C.	11,828.00	12,986.00	24,814.00	4.69
8" P.V.C.	30,558.10	12,533.70	43,091.80	8.16
8" D.I.	0.00	0.00	0.00	0.00
10" P.V.C.	2,212.00	737.30	2,949.30	0.55
12" P.V.C.	448.00	149.80	597.80	0.11
15" P.V.C.	845.00	281.60	1,126.60	0.21
18" P.V.C.	616.00	0.00	616.00	0.11
21" P.V.C.	455.00	0.00	455.00	0.03
4" P.V.C./S.F.M.	0.00	0.00	0.00	0.00
<b>TOTALS</b>	<b>46,962.10</b>	<b>26,688.40</b>	<b>73,650.50</b>	<b>13.86</b>
M.H.'S	24	84	Total Manholes Constructed in 2009 - 108	

**Sewer Lines Laid in 2009**

ORIGINAL CONSTRUCTION (IN FEET)	Removed and Replaced	Total Remaining in Feet	Total Remaining in Miles
3,806,870.90	44,446.60	3,762,424.30	712.83

**Sewer Manholes in 2009**

BUILT IN 2009	Removed in 2009	Total Modifications in 2009
108	84	24

**Sewer Valves as of 2009**

SIZE AND TYPE	EXISTING	INSTALLED IN 2008	REMOVED IN 2008	TOTAL VALVES INSTALLED AS OF 2008
48" Gate Valve	~			
36" Gate Valve	~			
24" Gate Valve	~			
12" Gate Valve	~			

SEWERAGE AND WATER BOARD OF NEW ORLEANS

ANNUAL REPORT 2009

SEWER TABULATION NO. 2

SEWER MANHOLES BUILT BY EACH CONTRACT FOR 2009

THE QUANTITIES DESTROYED OR ABANDONED AND THE EXTENT OF THE SEWERAGE AT THE END OF 2008

	SEWER PIPE			ALL SEWERS			MANHOLES		
	ORIGINAL BUILT	REMOVED & REPLACED	REMAIN	ORIGINAL BUILT	ABANDONED	REMAINING	ORIGINAL BUILT	ABANDONED	REMAINING
Bought from N.O. Sewer Co.	21,307.50	1,498.20	6,809.20	24,908.20	18,099.00	6,809.20	73	15	58
Built Under Ordinary Contracts	3,565,029.70	3,524,923.00	40,104.70	3,519,033.90	144,236.40	3,374,799.50	9,539	11	9,528.00
Built by S&WB Forces	7,553,426.20	315,188.40	7,038,237.80	1,357,727.70	63,969.30	1,293,758.40	3,988	4	3,994
Built by Dock Board	5,839.70	0.00	5,839.70	6,874.30	0.00	6,874.30	19	0	19
Built Under CWA & ERA Contracts	25,662.60	0.00	25,662.60	25,662.60	0.00	25,662.60	76	3	73
Built Under WPA Contracts	138,903.60	28,288.70	110,614.90	112,735.20	26,168.40	86,566.80	504	3	501
Built Under FWA Contracts	177,599.30	14,095.40	163,503.90	163,503.90	0.00	163,503.90	474	5	469
Built Under FWA Contracts	9,120.80	0.00	9,120.80	9,120.80	0.00	9,120.80	32	0	32
Built by Orleans Levee Board	126,348.70	7,503.00	118,845.70	126,348.70	0.00	126,348.70	675	6	669
Built by FHHA	4,253.10	4,253.10	0.00	0.00	0.00	0.00	17	17	0
Built Under L.M.P. Contracts	733,963.50	17,339.30	716,624.00	743,801.80	22,809.40	720,992.40	2,192	60	2,132
Built by Others	1,897,085.90	1,821,834.70	75,251.20	1,897,085.90	40,004.60	1,857,081.30	5,508	196	5,312
<b>TOTAL LINEAR FEET</b>	<b>14,058,540.60</b>	<b>5,734,925.00</b>	<b>8,310,614.50</b>	<b>7,986,805.00</b>	<b>315,287.10</b>	<b>7,671,517.90</b>	<b>23,107</b>	<b>320</b>	<b>22,787</b>
<b>TOTAL MILES</b>	<b>2,662.00</b>	<b>91.72</b>	<b>2,568.00</b>	<b>1,512.60</b>	<b>59.70</b>	<b>1,452.90</b>			

SEWERAGE AND WATER BOARD OF NEW ORLEANS

ANNUAL REPORT 2009  
SEWER TABULATION NO. 3

LENGTH OF SEWER OF EACH SIZE AND MATERIAL BUILT, DISCARDED AND NOW REMAINING IN THE SYSTEM

SIZE & MATERIAL OF SEWER	TOTAL LENGTH BUILT INCLUDING SUBSTITUTES	DESTROYED OR ABANDONED	ADDED	NOW REMAINING IN THE SYSTEMS
72" Steel	29,182.40	0.00	0.00	29,182.40
68" Steel	9,051.90	0.00	0.00	9,051.90
66" Concrete	13,740.70	0.00	0.00	13,740.70
66" Steel	28,979.70	0.00	0.00	28,979.70
60" Steel	2,577.70	0.00	0.00	2,577.70
60" Concrete	748.90	0.00	0.00	748.90
57" Concrete	1,766.80	0.00	0.00	1,766.80
54" Concrete	7,030.40	0.00	0.00	7,030.40
54" Steel	44,014.50	0.00	0.00	44,014.50
51" Concrete	928.30	0.00	0.00	928.30
50" Steel	135.00	0.00	0.00	135.00
48" Concrete	13,291.00	3,663.40	0.00	9,627.60
48" FRP	10,900.20	0.00	0.00	10,900.20
48" Steel	21,147.20	0.00	0.00	21,147.20
45" Concrete	3,048.40	0.00	0.00	3,048.40
42" Concrete	20,170.10	0.00	0.00	20,170.10
42" P.V.C.	0.00	0.00	3,663.40	3,663.40
42" Steel	3,580.20	0.00	0.00	3,580.20
36" Brick	884.80	0.00	0.00	884.80
36" Concrete	3,871.80	0.00	0.00	3,871.80
36" Vitrified Clay	2,433.70	0.00	0.00	2,433.70
36" Prestressed Concrete	11,617.20	0.00	0.00	11,617.20
36" Reinforced Concrete	9,392.70	0.00	0.00	9,392.70
36" Steel	150.00	0.00	0.00	150.00
36" Cast Iron	10,674.00	0.00	0.00	10,674.00
36" P.V.C.	10,604.00	0.00	0.00	10,604.00
33" Brick	3,150.40	0.00	0.00	3,150.40
33" Reinforced Concrete	1,450.90	0.00	0.00	1,450.90
30" Vitrified Clay	1,672.20	0.00	0.00	1,672.20
30" Brick	3,006.60	0.00	0.00	3,006.60
30" Prestressed Concrete	484.00	0.00	0.00	484.00
30" Reinforced Concrete	34,449.70	0.00	0.00	34,449.70
30" Vitrified Clay	11,732.20	0.00	0.00	11,732.20
30" Cast Iron	4,303.90	0.00	0.00	4,303.90
30" Steel	3,255.20	0.00	0.00	3,255.20
30" FRP	16,400.00	0.00	0.00	16,400.00
28" P.V.C.	887.00	0.00	0.00	887.00
28" P.V.C.	541.00	0.00	0.00	541.00
27" Vitrified Clay	29,134.80	0.00	0.00	29,134.80
27" Iron Casts	11.00	0.00	0.00	11.00
27" P.V.C.	11.00	0.00	0.00	11.00
27" Reinforced Concrete	13,738.40	0.00	0.00	13,738.40
Total Linear Feet	384,661.90	3,663.40	3,663.40	384,661.90
Total Miles	72.91	0.69	0.69	72.85

SIZE & MATERIAL OF SEWER	TOTAL LENGTH BUILT INCLUDING SUBSTITUTES	DESTROYED OR ABANDONED	ADDED	NOW REMAINING IN THE SYSTEMS
28" P.V.C.	2,277.00	354.00	0.00	1,923.00
24" Vitrified Clay	31,911.40	0.00	0.00	31,911.40
24" Ductile Iron	29.00	0.00	0.00	29.00
24" Cast Iron	17,658.10	0.00	0.00	17,658.10
24" Asbestos Cement	4,942.20	0.00	0.00	4,942.20
24" Reinforced Concrete	28,377.00	0.00	0.00	28,377.00
24" P.V.C.	372.30	0.00	0.00	372.30
24" Steel	110.00	0.00	0.00	110.00
21" P.V.C.	511.00	0.00	435.00	96.00
21" Reinforced Concrete	14,406.50	0.00	0.00	14,406.50
20" Ductile Iron Pipe	1,450.80	0.00	0.00	1,450.80
18" P.V.C.	4,356.20	0.00	616.00	3,740.20
18" Vitrified Clay	0.00	0.00	0.00	0.00
18" Steel	120.00	0.00	0.00	120.00
16" Asbestos Cement	28,894.90	0.00	0.00	28,894.90
16" P.V.C.	2,433.10	0.00	0.00	2,433.10
15" P.V.C.	8,467.50	0.00	1,226.60	7,240.90
15" Plastic Truss	1,766.80	0.00	0.00	1,766.80
15" Vitrified Clay	115,165.50	1,971.30	0.00	113,194.20
12" Vitrified Clay	645.00	597.80	0.00	47.20
12" P.V.C.	10,252.40	0.00	597.80	10,850.20
10" Vitrified Clay	187,169.10	5,650.80	0.00	181,508.30
10" Concrete	53,189.60	478.30	0.00	52,711.30
10" Steel	130.00	0.00	0.00	130.00
10" Asbestos Cement	27,660.40	0.00	0.00	27,660.40
10" P.V.C.	131,417.40	0.00	2,949.50	134,366.90
10" Plastic Truss	6,072.50	0.00	0.00	6,072.50
8" Plastic	706,218.00	0.00	0.00	706,218.00
8" Concrete	356,512.90	4,462.40	0.00	352,050.50
8" Iron Casts	354,264.70	3,651.30	0.00	350,613.40
8" Ductile Iron	141.00	0.00	0.00	141.00
8" Cast Iron	32,845.20	151.20	0.00	32,694.00
8" Vitrified Clay	409,399.70	20,725.90	0.00	388,673.80
8" Asbestos Cement	3,895.90	8.00	0.00	3,887.90
8" Plastic Truss	75,134.10	2,603.80	0.00	72,530.30
8" P.V.C.	331,848.20	0.00	34,500.80	366,349.00
6" Concrete	591.90	180.00	0.00	411.90
6" Asbestos Cement	4,493.90	0.00	0.00	4,493.90
6" Cast Iron	4,204.40	0.00	0.00	4,204.40
6" Vitrified Clay	96,459.20	2,332.70	0.00	94,126.50
6" Plastic	370,884.20	0.00	0.00	370,884.20
6" Plastic Truss	7,099.00	1,053.50	0.00	6,045.50
6" P.V.C.	180,631.80	0.00	22,014.00	202,645.80
6" Iron Casts	7,013.80	724.00	0.00	6,289.80
4" Cast Iron	874.20	0.00	0.00	874.20
4" Ductile Iron	180.40	0.00	0.00	180.40
4" Plastic	126.00	0.00	0.00	126.00
4" P.V.C.	6,836.90	0.00	51.00	6,887.90
Total Linear Feet	3,604,410.50	44,447.00	62,339.50	3,622,313.40
Total Miles	682.00	8.42	11.8	686.00

Annual Report 2008  
**WATER TABULATION NO. 1**  
 Water Lines Laid During 2008  
**QUANTITIES OF PIPE MEASURED IN FEET**

ITEMS	BY CONTRACT	BY OTHERS	TOTAL FEET	TOTAL MILES
2" P.V.C.	61	0	61	0.01
4" P.V.C.	0	0	0	0
6" P.V.C.	1,596.80	1,168.80	2,761.60	0.52
8" P.V.C.	13,894.20	2,422.00	16,316.20	3.08
8" D.I.	1,048.40	48.40	1,096.80	0.20
8" D.I.	0.00	0.00	0.00	0.00
12" D.I.	0.00	0.00	0.00	0.00
10" P.V.C.	0.00	0.00	0.00	0.00
10" IRON	0.00	0.00	0.00	0.00
12" P.V.C.	0.00	0.00	0.00	0.00
16" P.V.C.	0.00	160.00	160.00	0.03
20" P.V.C.	0.00	1,159.60	1,159.60	0.21
21" P.V.C.	0.00	0.00	0.00	0.00
<b>TOTALS</b>	<b>16,600.40</b>	<b>4,968.80</b>	<b>21,555.20</b>	<b>4.05</b>
<b>FIRE HYDRANTS</b>	<b>40.00</b>	<b>5.00</b>	<b>Total Fire Hydrants</b>	<b>45.00</b>
<b>VALVES</b>	<b>34.00</b>	<b>6.00</b>	<b>Total Valves in 2008</b>	<b>40.00</b>
<b>M.H.'S</b>	<b>38</b>	<b>10</b>	<b>Total Manholes</b>	

Removed or Abandoned 16640.8 ft.

**Water Valves as of 2008**

Installed	Removed	Total Valves Remaining
40	31	4,880

**Fire Hydrants as of 2008**

Installed	Removed	Total Hydrants Remaining
45	38	22,785

**Water Manholes as of 2008**

BUILT	Removed	Total Modifications
40	31	29,673

**Water Lines in System as of 2008**

Installed	Abandoned	Total Feet	TOTAL MILES
21,555.20	16,640.80	9,456.00	1.79

SEWERAGE AND WATER BOARD OF NEW ORLEANS  
 WATER TABULATION NO. 2  
 WATER MAINS, VALVES, AND HYDRANTS INSTALLED BY EACH AGENCY AND  
 THE QUANTITIES REMOVED OR ABANDONED AND THE EXISTING WATER DISTRIBUTION SYSTEM  
 December 31, 2009

	WATER MAINS			VALVES			HYDRANTS					
	EXISTING	INSTALLED	REMOVED	REMAINING in	Existing	Installed	Removed	Remaining	Existing	Installed	Removed	Remaining
Algiers Water Works	48,830.00	0	0	48,830.00	72	0	0	72	0	0	0	0
Under Ordinary Contracts	4,653,146.20	2,4625.4	22698.5	4635073.1	21,375	62	48	21,389	2,002	90	60	2,032
S&WB Forces	723346.8	0	0	723346.8	1927	0	0	1927	1,731	0	0	1,731
Built Under L.M.P. Contracts	1120029.8	0	0	1120029.8	2013	0	0	2013	9,617	0	0	9,617
Built Under PWA Contracts	64917.3	0	0	64917.3	36	0	0	36	52	0	0	52
C-W-A & E-R-A Contracts	32154.5	0	0	32154.5	44	0	0	44	86	0	0	86
W-P-A Contracts	249199.7	0	0	249199.7	401	0	0	401	441	0	0	441
FWA Contracts	52648.6	0	0	52648.6	31	0	0	31	19	0	0	19
Various War Agencies	3158.9	0	1409	1749	0	0	0	0	0	0	0	0
HANO	0	0	0	0	0	0	0	0	0	0	0	0
Under FPHA	0	0	0	0	0	0	0	0	0	0	0	0
By Orleans Levees Board	146747.2	0	920	145827.2	0	0	0	0	863	0	0	863
By Others	2352261.9	20530.7	4538.5	2368254.1	3407	12	4	3415	10,043	18	8	10,063
By Dock Board	9508.2	0	0	9508.2	121	0	0	121	0	0	0	0
<b>TOTAL LINEAR FEET</b>	<b>9,455,950.10</b>	<b>45156.1</b>	<b>29566</b>	<b>9,471,539.30</b>	<b>29427</b>	<b>74</b>	<b>48</b>	<b>29,449</b>	<b>24,854</b>	<b>45</b>	<b>36</b>	<b>24,894</b>
<b>TOTAL MILES</b>	<b>1790.8</b>	<b>8.5</b>		<b>5.6</b>								

SEWERAGE AND WATER BOARD OF NEW ORLEANS

Annual Report 2009  
WATER TABULATION NO.3

LENGTH OF WATER MAINS OF EACH SIZE AND MATERIAL, NUMBER OF VALVES OF EACH SIZE, BOTH GATE AND CHECK, ORIGINALLY INSTALLED, THE QUANTITIES REMOVED OR ABANDONED, AND THE QUANTITIES REMAINING IN THE DISTRIBUTION SYSTEM AND HYDRANTS, AS OF THE CLOSE OF 2009

WATER MAINS					
Size	Material	Existing	Linear Feet Installed	Linear Feet Removed	Linear Feet Remaining
54"	Concrete Pipe	7,535.10	0.00	0.00	7,535.10
50"	Steel Pipe	88,484.80	0.00	0.00	88,484.80
48"	Steel Pipe	36,835.10	0.00	0.00	36,835.10
48"	Concrete Pipe	4,982.90	0.00	0.00	4,982.90
48"	Cast Iron Pipe	12,759.30	0.00	0.00	12,759.30
43"	Cast Iron Pipe	11,170.10	0.00	0.00	11,170.10
42"	Concrete Pipe	9,361.90	0.00	0.00	9,361.90
42"	Cast Iron Pipe	4,349.60	0.00	0.00	4,349.60
36"	Cast Iron Pipe	4,523.30	0.00	0.00	4,523.30
36"	Steel Pipe	16,761.20	0.00	0.00	16,761.20
36"	Concrete Pipe	37,374.70	0.00	0.00	37,374.70
36"	Prestressed Concrete	675.00	0.00	0.00	675.00
30"	Cast Iron Pipe	60,840.10	0.00	0.00	60,840.10
30"	Prestressed Concrete	36,654.40	0.00	0.00	36,654.40
30"	R. C. P. Pipe	3,919.60	0.00	0.00	3,919.60
30"	Ductile Iron Pipe	35.00	0.00	0.00	35.00
30"	Steel Pipe	19,602.20	0.00	0.00	19,602.20
30"	Concrete Pipe	72,724.20	0.00	0.00	72,724.20
30"	P.V.C. Pipe	1,483.10	0.00	0.00	1,483.10
24"	Concrete Pipe	102.50	0.00	0.00	102.50
24"	Cast Iron Pipe	30,480.20	0.00	0.00	30,480.20
21"	P.V.C. Pipe	10,270.50	0.00	0.00	10,270.50
20"	Cast Iron Pipe	91,999.10	0.00	0.00	91,999.10
20"	Asbestos Cement	12,688.00	0.00	0.00	12,688.00
20"	Concrete Pipe	18,755.90	0.00	0.00	18,755.90
20"	Ductile Iron Pipe	13,212.10	0.00	0.00	13,212.10
20"	Prestressed Concrete	212.50	0.00	0.00	212.50
18"	R. C. P. Pipe	970.50	0.00	0.00	970.50
16"	Cast Iron Pipe	117,498.10	0.00	0.00	117,498.10
16"	Concrete Pipe	5,681.60	0.00	0.00	5,681.60
16"	Ductile Iron Pipe	3,212.30	160.00	0.00	3,372.30
16"	P.V.C. Pipe	6,475.55	1,159.30	0.00	8,257.60
16"	Asbestos Cement	66,344.20	0.00	1,060.00	66,344.20
15"	R. C. P. Pipe	1,069.30	0.00	0.00	1,069.30
12"	Cast Iron Pipe	813,720.00	0.00	850.20	812,869.80
12"	Ductile Iron Pipe	15,957.10	0.00	0.00	15,957.10
12"	Steel Pipe	1,272.90	0.00	0.00	1,272.90
12"	Asbestos Cement	363,743.10	0.00	787.40	363,255.70
12"	Ductile Iron Pipe	15,957.10	0.00	0.00	15,957.10
12"	P.V.C. Pipe	157,247.30	3,714.60	0.00	160,971.90
10"	Cast Iron Pipe	10,356.70	0.00	0.00	10,356.70
10"	Ductile Iron Pipe	610.00	0.00	0.00	610.00
10"	Asbestos Cement	12,763.60	0.00	0.00	12,763.60
10"	P.V.C. Pipe	3,534.00	0.00	0.00	3,534.00
8"	Plastic Pipe	320,449.30	0.00	2,412.80	318,036.50
8"	Cast Iron Pipe	138,857.90	0.00	0.00	138,857.90
8"	Asbestos Cement	721,454.90	0.00	9,758.00	711,696.90
8"	Ductile Iron Pipe	21,592.60	622.90	10.00	22,205.50
8"	P.V.C. Pipe	338,128.40	37,936.40	0.00	396,064.80
6"	P.V.C. Pipe	379,110.20	1,476.00	0.00	380,586.20
6"	Cast Iron Pipe	2,787,347.30	0.00	6,314.40	2,781,032.90
6"	Asbestos Cement	1,099,009.70	0.00	7,245.20	1,091,764.50
6"	Plastic Pipe	121,385.50	0.00	0.00	121,385.50
6"	Ductile Iron Pipe	19,399.20	0.00	0.00	19,399.20
4"	Ductile Iron Pipe	712.20	0.00	0.00	712.20
2"	Cast Iron Pipe	20,592.10	0.00	0.00	20,592.10
4"	Cast Iron Pipe	19,926.10	0.00	100.00	19,826.10
2"	Galvanize Pipe	9,620.00	0.00	0.00	9,620.00
3"	Galvanize Pipe	3,361.70	0.00	0.00	3,361.70
4"	Asbestos Cement	29,455.30	0.00	0.00	29,455.30
4"	Plastic Pipe	3,237.10	0.00	0.00	3,237.10
4"	P.V.C. Pipe	8,626.30	136.00	0.00	8,762.30
2"	P.V.C. Pipe	61,128.90	126.00	0.00	62,388.90
1"	Steel Pipe	5,346.60	0.00	0.00	5,346.60
Linear Feet Total		8,273,430.10	45,155.90	29,566.00	8,239,020.00
Total Miles		1,557.47	8.15	5.60	1,560.42

VALVES				
Size	Existing	Installed	Removed	Remaining
48"	16	0	0	16
42"	4	0	0	4
36"	18	0	0	18
30"	65	0	0	65
24"	39	0	0	39
20"	133	0	0	133
16"	190	0	0	190
14"	3	0	0	3
12"	2,282	6	3	2,289
10"	65	0	0	65
8"	6,223	49	22	6,250
6"	13,092	9	23	13,078
4"	7,139	10	4	7,145
Total	29,269	74	52	29,291

SEWERAGE AND WATER BOARD OF NEW ORLEANS  
 TABLE OF RAINFALL IN NEW ORLEANS SINCE ESTABLISHMENT OF RAIN GAGES IN 1854  
 RAINFALL AND AVERAGE FOR "YEAR 1854 TO DATE"

TABLE OF RAINFALL IN NEW ORLEANS SINCE ESTABLISHMENT OF RAIN GAGES IN 1854  
 RAINFALL AND AVERAGE FOR "YEAR 1854 TO DATE"

YEAR No.	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		ANNUAL AVERAGE	EXCESS OR DEFICIT	
	AMOUNT	TOTAL TO DATE	AMOUNT	TOTAL TO DATE	AMOUNT	TOTAL TO DATE	AMOUNT	TOTAL TO DATE	AMOUNT	TOTAL TO DATE	AMOUNT	TOTAL TO DATE	AMOUNT	TOTAL TO DATE	AMOUNT	TOTAL TO DATE	AMOUNT	TOTAL TO DATE	AMOUNT	TOTAL TO DATE	AMOUNT	TOTAL TO DATE	AMOUNT	TOTAL TO DATE			
1854	2.11	13.27	15.31	4.41	19.85	4.27	24.12	2.36	26.49	4.10	30.59	8.15	38.74	7.46	46.20	1.37	47.57	0.74	48.31	0.98	49.29	1.11	50.40	1.84	52.24	5.46	4.23
1855	7.85	3.76	11.41	3.63	15.04	2.48	17.52	10.38	27.90	10.48	38.38	6.97	45.35	3.52	51.87	2.16	54.03	1.32	55.35	1.32	56.67	0.81	57.48	0.81	58.29	5.15	3.15
1856	4.81	8.53	13.40	4.06	17.45	3.38	20.83	10.11	30.94	7.20	38.14	3.49	41.63	14.51	56.14	8.09	64.23	10.40	74.63	10.40	85.03	6.74	91.77	3.37	95.40	3.37	98.77
1857	5.51	3.07	8.58	5.27	13.85	3.25	17.10	10.36	27.46	9.61	37.07	3.56	40.63	3.09	43.72	3.44	47.16	6.09	53.25	6.09	59.34	3.71	63.05	3.59	66.64	4.22	-1.60
1858	12.28	20.10	32.38	13.31	45.69	10.00	55.76	15.85	71.61	24.19	95.80	18.68	114.48	18.03	132.51	9.33	141.84	40.24	182.08	40.24	222.32	15.14	237.46	10.33	247.79	16.54	264.33
1859	4.05	6.70	10.79	4.46	15.25	3.33	18.59	13.59	32.17	8.06	40.23	6.23	46.46	33.16	79.62	33.16	112.78	31.11	143.89	31.11	175.00	20.16	195.16	5.99	201.15	4.10	-4.95
1860	2.02	3.10	7.12	3.31	12.43	3.27	15.74	18.07	33.81	18.65	52.46	4.80	57.26	14.24	71.50	16.65	88.15	17.81	105.96	17.81	123.77	12.53	136.30	15.42	151.72	15.42	167.14
1861	3.58	6.90	9.88	4.69	14.57	3.82	18.46	4.11	22.57	3.60	26.17	2.90	29.07	36.96	66.03	41.86	107.89	44.25	152.14	44.25	196.39	23.64	220.03	3.64	223.67	4.62	1.01
1862	2.06	7.30	9.30	1.23	10.53	3.20	13.73	0.10	13.83	1.56	15.39	5.70	21.09	21.09	42.18	21.09	63.27	22.49	85.76	22.49	108.25	15.94	124.19	18.44	142.63	18.44	161.07
1863	3.25	6.30	9.56	4.00	13.76	3.75	17.51	10.61	28.12	6.79	34.91	5.85	40.76	33.96	74.72	33.96	108.68	37.81	146.49	37.81	184.30	24.81	209.11	31.70	240.81	31.70	272.51
1864	1.91	3.93	5.84	2.89	8.73	1.68	10.41	13.57	24.02	9.62	33.64	7.26	40.90	33.42	74.32	33.42	107.74	33.42	141.16	33.42	174.58	26.99	201.57	21.91	223.48	21.91	245.39
1865	3.15	5.98	9.14	3.11	12.25	3.41	15.66	16.85	32.51	7.26	39.77	6.31	46.08	44.74	90.82	44.74	135.56	44.74	180.30	44.74	225.04	37.81	262.85	37.81	300.66	37.81	338.47
1866	3.18	5.99	9.17	4.50	13.67	2.56	16.23	24.66	40.89	6.78	47.67	8.40	56.07	33.65	89.72	33.65	123.37	33.65	157.02	33.65	190.67	26.99	217.66	26.99	244.65	26.99	271.64
1867	2.25	5.99	9.24	3.91	13.16	4.64	17.80	12.85	30.65	20.70	51.35	3.56	54.91	53.38	108.29	53.38	161.67	53.38	215.05	53.38	268.43	46.60	315.03	46.60	361.63	46.60	408.23
1868	3.33	5.72	9.05	3.81	12.86	7.75	20.61	17.9	38.51	18.19	56.70	21.52	78.22	24.09	102.31	24.09	126.40	24.09	150.49	24.09	174.58	24.09	198.67	24.09	222.76	24.09	246.85
1869	3.27	5.56	9.22	3.80	13.02	8.16	21.18	13.57	34.75	12.41	47.16	6.21	53.37	33.21	86.58	33.21	120.79	33.21	154.00	33.21	187.21	26.99	214.20	26.99	241.19	26.99	268.18
1870	2.47	5.16	7.63	3.08	10.71	4.30	15.01	13.90	28.91	6.13	35.04	6.13	41.17	45.06	86.23	45.06	131.29	45.06	176.35	45.06	221.41	37.81	259.22	37.81	297.03	37.81	334.84
1871	2.59	5.82	8.41	3.80	12.21	4.48	16.69	14.45	31.14	3.94	35.08	6.13	41.21	33.06	74.27	33.06	107.33	33.06	140.39	33.06	173.45	26.99	200.44	26.99	227.43	26.99	254.42
1872	3.08	6.10	9.18	4.69	13.87	4.46	18.33	2.53	20.86	3.91	24.77	3.91	28.68	30.43	59.11	30.43	89.54	30.43	120.97	30.43	151.40	24.09	175.49	24.09	200.58	24.09	225.67
1873	3.15	5.99	9.14	4.04	13.18	3.72	16.90	17.63	34.53	3.87	38.40	6.60	45.00	34.84	80.84	34.84	115.68	34.84	150.52	34.84	185.36	28.11	213.47	28.11	241.58	28.11	269.69
1874	3.96	6.26	9.52	5.09	14.61	4.63	19.24	19.74	38.98	6.24	45.22	6.24	51.46	34.27	85.73	34.27	120.00	34.27	154.27	34.27	188.54	28.11	216.65	28.11	244.76	28.11	272.87
1875	3.08	6.10	9.18	4.69	13.87	4.46	18.33	2.53	20.86	3.91	24.77	3.91	28.68	30.43	59.11	30.43	89.54	30.43	120.97	30.43	151.40	24.09	175.49	24.09	200.58	24.09	225.67
1876	3.19	5.90	9.09	4.61	13.70	4.21	17.91	17.61	35.52	5.72	41.24	5.72	46.96	33.21	80.15	33.21	113.36	33.21	146.57	33.21	179.78	26.99	206.77	26.99	233.76	26.99	260.75
1877	3.08	6.10	9.18	4.69	13.87	4.46	18.33	2.53	20.86	3.91	24.77	3.91	28.68	30.43	59.11	30.43	89.54	30.43	120.97	30.43	151.40	24.09	175.49	24.09	200.58	24.09	225.67
1878	3.08	6.10	9.18	4.69	13.87	4.46	18.33	2.53	20.86	3.91	24.77	3.91	28.68	30.43	59.11	30.43	89.54	30.43	120.97	30.43	151.40	24.09	175.49	24.09	200.58	24.09	225.67
1879	3.08	6.10	9.18	4.69	13.87	4.46	18.33	2.53	20.86	3.91	24.77	3.91	28.68	30.43	59.11	30.43	89.54	30.43	120.97	30.43	151.40	24.09	175.49	24.09	200.58	24.09	225.67
1880	3.08	6.10	9.18	4.69	13.87	4.46	18.33	2.53	20.86	3.91	24.77	3.91	28.68	30.43	59.11	30.43	89.54	30.43	120.97	30.43	151.40	24.09	175.49	24.09	200.58	24.09	225.67
1881	3.08	6.10	9.18	4.69	13.87	4.46	18.33	2.53	20.86	3.91	24.77	3.91	28.68	30.43	59.11	30.43	89.54	30.43	120.97	30.43	151.40	24.09	175.49	24.09	200.58	24.09	225.67
1882	3.08	6.10	9.18	4.69	13.87	4.46	18.33	2.53	20.86	3.91	24.77	3.91	28.68	30.43	59.11	30.43	89.54	30.43	120.97	30.43	151.40	24.09	175.49	24.09	200.58	24.09	225.67
1883	3.08	6.10	9.18	4.69	13.87	4.46	18.33	2.53	20.86	3.91	24.77	3.91	28.68	30.43	59.11	30.43	89.54	30.43	120.97	30.43	151.40	24.09	175.49	24.09	200.58	24.09	225.67
1884	3.08	6.10	9.18	4.69	13.87	4.46	18.33	2.53	20.86	3.91	24.77	3.91	28.68	30.43	59.11	30.43	89.54	30.43	120.97	30.43	151.40	24.09	175.49	24.09	200.58	24.09	225.67
1885	3.08	6.10	9.18	4.69	13.87	4.46	18.33	2.53	20.86	3.91	24.77	3.91	28.68	30.43	59.11	30.43	89.54	30.43	120.97	30.43	151.40	24.09	175.49	24.09	200.58	24.09	225.67
1886	3.08	6.10	9.18	4.69	13.87	4.46	18.33	2.53	20.86	3.91	24.77	3.91	28.68	30.43	59.11	30.43	89.54	30.43	120.97	30.43	151.40	24.09	175.49	24.09	200.58	24.09	225.67
1887	3.08	6.10	9.18	4.69	13.87	4.46	18.33	2.53	20.86	3.91	24.77	3.91	28.68	30.43	59.11	30.43	89.54	30.43	120.97	30.43	151.40	24.09	175.49	24.09	200.58	24.09	225.67
1888	3.08	6.10	9.18	4.69	13.87	4.46	18.33	2.53	20.86	3.91	24.77	3.91	28.68	30.43	59.11	30.43	89.54	30.43	120.97	30.43	151.40	24.09	175.49	24.09	200.58	24.09	225.67
1889	3.08	6.10	9.18	4.69	13.87	4.46	18.33	2.53	20.86	3.91	24.77	3.91	28.68	30.43	59.11	30.43	89.54	30.43	120.97	30.43	151.40	24.09	175.49	24.09	200.58	24.09	225.67
1890	3.08	6.10	9.18	4.69	13.87	4.46	18.33	2.53	20.86	3.91	24.77	3.91	28.68	30.43	59.11	30.43	89.54	30.43	120.97	30.43	151.40	24.09	175.49	24.09	200.58	24.09	225.67
1891	3.08	6.10	9.18	4.69	13.87	4.46	18.33	2.53	20.86	3.91	24.77	3.91	28.68	30.43	59.11	30.43	89.54	30.43	120.97	30.43	151.40	24					

BEVERAGE AND WATER BOARD OF NEW ORLEANS  
 TABLE OF RAINFALL IN NEW ORLEANS SINCE ESTABLISHMENT OF RAIN GAGES IN 1894  
 RAINFALL AND AVERAGE FOR "YEAR 1894 TO DATE"

TABLE OF RAINFALL IN NEW ORLEANS SINCE ESTABLISHMENT OF RAIN GAGES IN 1894  
 RAINFALL AND AVERAGES FOR "YEAR 1894 TO DATE"

YEAR No.	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		ANNUAL AVERAGE	PERCENT OF RECORD	
	AMOUNT	TOTAL TO DATE	AMOUNT	TOTAL TO DATE	AMOUNT	TOTAL TO DATE	AMOUNT	TOTAL TO DATE	AMOUNT	TOTAL TO DATE	AMOUNT	TOTAL TO DATE	AMOUNT	TOTAL TO DATE	AMOUNT	TOTAL TO DATE	AMOUNT	TOTAL TO DATE	AMOUNT	TOTAL TO DATE	AMOUNT	TOTAL TO DATE	AMOUNT	TOTAL TO DATE			
1904	1.06	6.00	7.06	3.93	10.99	4.92	15.92	16.51	20.27	6.63	26.95	7.26	34.21	41.03	42.29	4.15	46.44	42.29	42.29	3.26	49.49	4.15	46.44	3.26	49.49	4.20	-4.29
1905	67.95	100.82	168.77	99.23	268.00	106.78	374.78	374.78	460.15	10.67	370.82	10.67	381.49	131.35	512.84	115.06	627.90	512.84	512.84	5.06	517.96	5.06	517.96	5.06	517.96	4.20	-4.29
1906	3.24	4.80	8.04	3.78	12.76	5.06	17.82	4.91	22.73	3.44	26.17	3.44	29.61	33.44	36.88	3.44	40.32	36.88	36.88	4.07	44.95	4.07	44.95	4.07	44.95	5.47	10.21
1907	7.42	4.16	11.58	2.11	13.69	0.06	13.75	3.19	16.94	5.27	22.56	6.49	29.05	7.93	36.98	9.94	46.90	46.90	46.90	12.14	59.04	12.14	59.04	12.14	59.04	5.47	10.21
1908	75.37	104.98	180.35	101.34	281.69	106.84	388.53	88.51	477.04	115.94	593.34	137.84	731.18	137.84	868.02	153.24	1,021.26	1,021.26	1,021.26	63.20	1,084.46	63.20	1,084.46	63.20	1,084.46	5.47	10.21
1909	3.43	4.27	8.20	4.67	12.87	1.66	14.53	2.67	17.20	3.27	20.47	6.31	26.78	6.21	32.99	38.83	49.82	49.82	49.82	2.87	52.69	2.87	52.69	2.87	52.69	4.31	-3.26
1910	79.40	106.98	186.39	102.01	288.40	109.50	397.90	96.80	494.70	122.87	617.57	143.14	760.71	143.14	903.85	171.90	1,075.75	1,075.75	1,075.75	70.13	1,145.88	70.13	1,145.88	70.13	1,145.88	5.47	10.21
1911	3.46	4.55	8.11	4.44	12.55	3.31	15.86	4.21	20.07	5.24	25.31	6.22	31.53	31.08	37.80	38.44	46.24	46.24	46.24	3.68	50.92	3.68	50.92	3.68	50.92	5.47	10.21
1912	3.97	2.87	6.84	2.98	9.82	7.86	17.68	14.44	22.08	1.69	16.13	5.84	21.97	27.51	32.28	30.59	60.88	60.88	60.88	3.28	64.16	3.28	64.16	3.28	64.16	5.47	10.21
1913	82.27	109.86	192.13	104.95	297.08	113.16	410.24	297.08	507.34	124.56	631.90	148.98	780.88	148.98	929.86	116.13	1,046.00	1,046.00	1,046.00	70.80	1,116.80	70.80	1,116.80	70.80	1,116.80	5.47	10.21
1914	3.47	4.58	8.05	4.37	12.42	4.72	17.14	6.41	23.55	7.64	31.19	8.61	39.80	38.17	46.97	43.88	90.85	90.85	90.85	4.83	95.68	4.83	95.68	4.83	95.68	4.75	2.76
1915	4.14	1.65	5.79	1.62	7.41	10.28	17.69	2.01	19.70	2.49	22.19	2.49	24.68	24.68	30.23	32.71	34.44	34.44	34.44	19.69	54.13	34.44	54.13	34.44	54.13	5.47	10.21
1916	87.41	115.11	192.52	106.57	299.09	123.44	422.53	100.18	522.71	127.05	649.76	154.31	804.07	154.31	958.38	111.11	1,069.49	1,069.49	1,069.49	81.49	1,150.98	81.49	1,150.98	81.49	1,150.98	5.47	10.21
1917	5.70	4.46	7.96	4.26	12.22	4.94	17.16	4.01	21.16	5.04	26.20	6.05	32.25	32.25	37.30	37.30	42.35	42.35	42.35	3.76	46.11	3.76	46.11	3.76	46.11	5.47	10.21
1918	8.11	11.89	3.24	16.13	7.45	23.58	7.87	31.45	31.45	4.27	35.72	6.96	42.68	42.68	48.83	48.83	54.98	54.98	54.98	3.21	58.19	3.21	58.19	3.21	58.19	5.47	10.21
1919	94.15	117.64	214.81	107.81	322.62	130.69	453.31	108.05	561.36	125.32	686.68	150.60	837.28	150.60	987.88	116.22	1,104.10	1,104.10	1,104.10	87.27	1,191.37	87.27	1,191.37	87.27	1,191.37	5.47	10.21
1920	3.82	4.52	8.15	4.22	12.37	5.05	17.42	4.24	21.66	3.09	24.75	7.51	32.26	32.26	37.31	37.31	42.36	42.36	42.36	3.01	45.37	3.01	45.37	3.01	45.37	5.47	10.21
1921	99.53	121.35	220.88	112.66	333.54	137.00	470.54	137.00	607.54	153.20	760.74	193.83	954.57	193.83	1,148.40	1,055.68	1,251.18	1,251.18	1,251.18	90.29	1,341.47	90.29	1,341.47	90.29	1,341.47	5.47	10.21
1922	1.17	1.97	3.14	4.50	7.64	4.28	11.92	1.80	13.72	8.36	22.08	7.17	29.25	29.25	34.30	34.30	39.35	39.35	39.35	1.66	40.91	1.66	40.91	1.66	40.91	5.47	10.21
1923	100.70	123.32	224.02	117.16	341.18	141.28	482.46	135.05	617.51	148.59	766.10	206.69	972.79	206.69	1,179.48	1,063.31	1,269.76	1,269.76	1,269.76	91.94	1,361.70	91.94	1,361.70	91.94	1,361.70	5.47	10.21
1924	3.60	4.40	8.00	4.18	12.18	5.05	17.23	4.11	21.34	5.10	26.44	6.10	32.54	32.54	37.64	37.64	42.74	42.74	42.74	3.28	45.92	3.28	45.92	3.28	45.92	5.47	10.21
1925	102.24	126.87	253.11	123.98	377.09	145.45	522.54	121.29	643.83	162.84	806.67	205.68	1,012.35	205.68	1,218.03	1,111.62	1,323.25	1,323.25	1,323.25	96.05	1,419.30	96.05	1,419.30	96.05	1,419.30	5.47	10.21
1926	3.63	4.37	8.00	4.22	12.22	5.12	17.34	4.71	22.05	5.21	27.26	6.08	33.34	33.34	38.39	38.39	43.44	43.44	43.44	2.46	45.90	2.46	45.90	2.46	45.90	5.47	10.21
1927	3.99	2.26	6.25	4.46	10.71	4.12	14.83	9.71	24.54	6.77	31.31	9.01	40.32	40.32	45.37	45.37	50.42	50.42	50.42	3.44	53.86	3.44	53.86	3.44	53.86	5.47	10.21
1928	108.23	129.13	237.26	120.84	358.10	149.58	507.68	131.00	638.68	159.01	797.69	195.01	992.70	195.01	1,187.71	1,072.70	1,269.91	1,269.91	1,269.91	94.51	1,364.41	94.51	1,364.41	94.51	1,364.41	5.47	10.21
1929	3.64	4.30	7.95	4.33	12.27	4.99	17.26	4.37	21.63	5.30	26.93	6.18	33.11	33.11	38.16	38.16	43.21	43.21	43.21	3.28	46.49	3.28	46.49	3.28	46.49	5.47	10.21
1930	114.82	134.37	248.74	131.96	380.70	152.25	532.95	136.89	669.84	162.57	832.41	205.06	1,037.47	205.06	1,242.53	1,127.52	1,355.04	1,355.04	1,355.04	98.05	1,453.09	98.05	1,453.09	98.05	1,453.09	5.47	10.21
1931	3.70	4.32	8.04	4.26	12.30	4.91	17.21	4.12	21.33	5.24	26.57	6.03	32.60	32.60	37.65	37.65	42.70	42.70	42.70	3.16	45.86	3.16	45.86	3.16	45.86	5.47	10.21
1932	3.47	1.67	7.14	0.91	8.05	0.11	8.16	1.26	9.42	3.68	12.10	5.68	17.78	17.78	22.83	22.83	27.88	27.88	27.88	2.46	30.34	2.46	30.34	2.46	30.34	5.47	10.21
1933	102.09	136.04	248.13	124.86	372.99	145.72	518.71	121.20	640.91	162.84	803.75	205.69	1,009.44	205.69	1,215.13	1,113.62	1,328.25	1,328.25	1,328.25	96.05	1,424.30	96.05	1,424.30	96.05	1,424.30	5.47	10.21
1934	3.76	4.25	8.01	4.15	12.16	4.78	16.94	4.41	21.35	5.20	26.55	6.06	32.61	32.61	37.66	37.66	42.71	42.71	42.71	2.46	45.90	2.46	45.90	2.46	45.90	5.47	10.21
1935	5.50	2.44	8.34	14.38	22.72	5.92	28.64	11.21	39.85	4.24	42.89	9.24	52.13	52.13	57.18	57.18	62.23	62.23	62.23	3.44	65.62	3.44	65.62	3.44	65.62	5.47	10.21
1936	125.79	138.88	264.67	147.24	411.91	131.99	543.90	122.21	666.11	169.51	835.62	199.48	1,035.10	199.48	1,234.58	1,135.43	1,370.01	1,370.01	1,370.01	109.61	1,479.62	109.61	1,479.62	109.61	1,479.62	5.47	10.21
1937	3.81	4.21	8.02	4.46	12.48	4.82	17.30	4.62	21.92	5.14	27.06	6.03	33.09	33.09	38.14	38.14	43.19	43.19	43.19	3.32	46.51	3.32	46.51	3.32	46.51	5.47	10.21
1938	126.33	130.04	276.39	153.98	430.37	173.63	604.00	153.16	757.16	176.51	933.67	203.43	1,137.10	203.43	1,340.53	1,237.52	1,465.04	1,465.04	1,465.04	127.70	1,592.74	127.70	1,592.74	127.70	1,592.74	5.47	10.21
1939	3.72	4.41	8.13	4.53	12.66	5.11	17.76	4.56	22.32	5.41	27.73	6.39	34.12	34.12	39.17	39.17	44.22	44.22	44.22	3.31	47.53	3.31	47.53	3.31	47.53	5.47	10.21
1940	128.03	137.23	285.30	137.20	422.50	180.30	602.80	180.30	783.10	183.80	966.90	207.60	1,174.50	207.60	1,382.10	1,278.50	1,506.00	1,506.00	1,506.00								

SEWERAGE AND WATER BOARD OF NEW ORLEANS  
 TABLE OF RAINFALL IN NEW ORLEANS SINCE ESTABLISHMENT OF RAIN GAGES IN 1864  
 RAINFALL AND AVERAGE FOR "YEAR 1864 TO DATE"

TABLE OF RAINFALL IN NEW ORLEANS SINCE ESTABLISHMENT OF RAIN GAGES IN 1864  
 RAINFALL AND AVERAGES FOR "YEAR 1864 TO DATE"

YEAR No.	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		ANNUAL AVERAGE	EXCESS OR DEFICIT		
	AMOUNT	TOTAL TO DATE	AMOUNT	TOTAL TO DATE	AMOUNT	TOTAL TO DATE	AMOUNT	TOTAL TO DATE	AMOUNT	TOTAL TO DATE	AMOUNT	TOTAL TO DATE	AMOUNT	TOTAL TO DATE	AMOUNT	TOTAL TO DATE	AMOUNT	TOTAL TO DATE	AMOUNT	TOTAL TO DATE	AMOUNT	TOTAL TO DATE	AMOUNT	TOTAL TO DATE				
1864	3.56	3.56	9.13	12.69	14.33	27.02	4.89	31.91	33.31	10.88	44.20	2.03	46.23	39.32	85.55	2.73	88.28	2.03	90.31	5.64	95.95	5.87	101.82	1.90	103.72	3.23	6.54	
1865	162.54	166.10	343.51	509.61	336.87	846.48	206.02	1052.50	736.12	1788.62	237.12	2025.74	144.87	2170.61	136.63	2307.24	131.57	2438.81	145.61	2584.42	141.92	2726.34	135.67	2862.01	1.90	2863.91	2.92	2866.83
1866	3.96	4.41	8.38	12.76	12.84	25.60	5.03	30.63	17.91	48.54	5.03	53.57	6.14	59.71	39.80	99.51	41.01	140.52	41.48	182.00	48.48	230.48	3.07	233.55	4.63	238.18	36.17	274.35
1867	2.45	3.03	5.43	8.86	14.34	13.28	7.62	20.90	21.97	42.87	25.99	68.86	7.20	76.06	4.66	80.72	2.64	83.36	44.56	127.92	1.30	129.22	46.67	175.89	6.66	182.55	53.33	235.88
1868	164.09	184.05	348.04	532.09	544.22	1076.31	216.63	1292.94	363.74	1656.68	310.69	1967.37	239.44	2206.81	143.91	2350.72	173.82	2524.54	180.17	2704.71	102.33	2807.04	127.17	2934.21	196.28	3130.49	249.20	3379.69
1869	3.92	4.38	8.31	12.26	13.47	25.73	5.08	30.81	32.93	63.84	5.02	68.86	3.71	72.57	39.83	112.40	41.30	153.70	44.40	198.10	3.39	201.49	48.50	250.00	4.67	254.67	51.10	305.77
1870	8.25	12.51	19.26	31.77	33.47	65.24	7.11	72.35	75.46	147.81	7.70	80.05	26.08	106.13	31.34	137.47	4.90	142.37	42.28	184.65	3.22	187.87	49.74	237.61	3.48	241.09	41.11	282.20
1871	3.64	6.40	8.43	14.83	13.03	27.86	5.10	32.96	33.29	66.25	4.92	37.88	34.11	71.99	39.82	111.81	44.96	156.77	44.44	201.21	48.35	249.56	51.38	300.94	4.65	305.59	56.93	362.52
1872	3.84	10.24	5.68	15.92	5.71	21.63	6.83	28.46	17.87	39.50	8.95	37.35	37.2	74.55	32.55	107.10	1.51	108.61	39.25	147.35	44.44	191.79	63.96	255.75	3.71	259.46	70.32	329.78
1873	176.28	371.16	381.14	752.30	406.97	1159.27	213.40	1372.67	230.34	1603.01	209.61	1812.62	269.61	2082.23	251.01	2333.24	1.51	2334.75	226.37	2561.12	170.37	2731.49	214.26	2945.75	203.30	3149.05	243.04	3392.09
1874	4.02	4.34	8.37	12.71	12.81	25.52	5.14	30.66	31.79	63.45	5.01	68.46	6.13	74.59	39.81	114.40	41.30	155.70	44.95	200.65	3.97	204.62	48.82	253.44	4.62	258.06	56.49	314.55
1875	4.63	9.26	6.35	15.61	7.43	23.04	2.86	25.90	10.29	36.19	3.33	39.52	16.02	55.54	16.02	71.56	1.80	73.36	33.56	107.12	6.65	113.77	2.07	115.84	4.29	120.13	3.38	123.51
1876	181.63	199.86	374.49	568.95	578.34	1147.29	219.01	1366.30	407.35	1773.64	224.61	1997.95	277.91	2275.86	1.90	2277.76	1.90	2279.66	23.43	2303.09	173.03	2476.12	218.45	2694.57	215.94	2910.51	287.67	3198.18
1877	4.04	8.08	8.32	16.40	12.86	29.26	3.09	32.35	35.44	70.88	4.97	37.32	37.71	75.03	39.56	114.59	5.14	119.73	44.70	164.43	3.90	168.33	48.30	216.63	4.61	221.24	46.10	267.34
1878	1.06	3.87	5.93	9.80	7.17	16.97	2.99	19.96	10.16	30.12	3.75	23.87	24.82	48.69	24.82	73.51	34.58	108.09	31.18	139.27	37.74	177.01	63.96	240.97	3.80	244.77	41.18	285.95
1879	3.99	6.28	8.27	14.55	12.71	27.26	5.04	32.30	17.18	49.48	4.84	54.32	34.78	89.10	39.45	128.55	5.19	133.74	44.44	178.18	63.97	242.15	63.97	306.12	4.57	310.69	55.81	366.50
1880	4.39	9.92	12.51	22.42	16.34	38.76	10.11	48.87	26.85	65.72	8.81	74.53	31.34	105.87	36.63	142.50	44.44	186.94	44.44	231.38	63.97	295.35	63.97	359.32	3.31	362.63	57.31	419.94
1881	188.24	204.65	392.99	597.64	602.43	1200.07	224.61	1424.68	444.36	1869.04	224.61	2093.65	277.91	2371.56	299.81	2671.37	1.90	2673.27	23.43	2696.70	173.03	2869.73	218.45	3088.18	215.94	3304.12	353.61	3657.73
1882	4.01	8.02	8.36	16.38	12.86	29.24	3.09	32.33	35.44	70.78	4.97	37.35	37.71	75.06	39.56	114.62	5.14	119.76	44.70	164.46	3.90	168.36	48.30	216.66	4.61	221.27	46.10	267.37
1883	3.90	7.80	8.32	16.12	12.74	28.86	5.10	33.96	17.84	51.80	4.78	56.58	34.78	91.36	39.45	130.81	44.44	175.25	44.44	219.69	63.97	283.66	63.97	347.63	4.57	352.20	55.81	408.01
1884	1.18	10.15	11.31	21.46	18.44	39.90	13.66	53.56	30.53	84.09	14.29	98.38	44.44	142.82	44.44	187.26	44.44	231.70	44.44	276.14	63.97	340.11	63.97	404.08	3.31	407.39	57.31	464.70
1885	3.92	7.84	8.38	16.22	12.86	29.08	5.02	34.10	17.81	51.91	5.33	37.24	32.69	70.03	39.45	109.48	44.44	153.92	44.44	198.36	63.97	262.33	63.97	326.30	4.57	330.87	57.31	388.18
1886	2.29	4.58	3.63	8.21	7.86	15.07	1.47	16.54	13.91	30.45	3.11	19.56	18.78	38.34	20.16	58.50	20.16	78.66	20.16	98.82	44.44	143.26	44.44	187.70	44.44	232.14	44.44	276.58
1887	196.65	218.83	414.48	633.36	641.63	1274.99	247.68	1522.67	464.42	1987.09	264.42	2251.51	319.29	2570.80	319.29	2889.99	1.90	2891.89	26.45	2918.34	183.93	3102.27	246.63	3348.90	246.63	3595.53	414.88	3990.41
1888	3.01	6.02	8.39	14.41	11.65	26.06	4.95	31.01	17.78	48.79	3.79	34.78	34.78	69.56	39.45	109.01	44.44	153.45	44.44	197.89	63.97	261.86	63.97	325.83	4.57	330.40	57.31	387.71
1889	8.02	16.04	12.72	28.76	18.65	47.41	5.21	52.62	27.86	80.47	7.71	60.33	58.11	118.44	66.00	184.44	66.00	250.44	66.00	316.44	63.97	380.41	63.97	444.38	4.57	448.95	57.31	506.26
1890	203.67	232.52	417.20	654.72	660.28	1314.99	246.89	1561.88	474.77	2036.65	267.71	2304.36	317.61	2621.97	317.61	2939.58	2.03	2941.61	23.43	2965.04	183.93	3148.97	246.63	3395.60	246.63	3642.23	414.88	3997.11
1891	3.93	7.86	8.31	16.17	12.85	29.02	5.04	34.06	17.98	52.04	5.25	39.29	34.31	73.60	39.45	113.05	44.44	157.49	44.44	201.93	63.97	265.90	63.97	329.87	4.57	334.44	57.31	391.75
1892	4.69	9.38	9.38	18.76	11.63	30.39	2.90	33.29	17.03	50.32	4.00	37.32	37.32	74.64	39.45	114.09	44.44	158.53	44.44	202.97	63.97	266.94	63.97	330.91	4.57	335.48	57.31	392.79
1893	208.96	231.29	436.59	672.88	671.06	1343.94	262.24	1606.18	424.42	2030.60	529.29	2159.89	279.14	2439.03	348.29	2787.32	1.90	2789.22	23.43	2812.65	183.93	3006.58	246.63	3253.21	246.63	3499.84	414.88	3894.72
1894	4.01	8.02	8.49	16.51	12.85	25.66	5.04	30.70	17.97	48.67	3.79	34.46	34.46	68.92	39.45	108.37	44.44	152.81	44.44	197.25	63.97	261.22	63.97	325.19	4.57	329.76	57.31	387.07
1895	3.19	6.38	8.51	14.89	13.13	27.02	5.01	32.03	18.14	50.17	5.47	37.64	37.64	75.28	39.45	114.73	44.44	159.17	44.44	203.61	63.97	267.58	63.97	331.55	4.57	336.12	57.31	393.43
1896	213.49	237.04	443.53	680.57	696.01	1376.58	265.52	1642.10	431.03	2073.13	581.53	2354.66	310.53	2665.19	310.53	2975.72	2.03	2977.75	23.43	3001.18	183.93	3185.11	246.63	3431.74	246.63	3678.37	414.88	3993.25
1897	4.03	8.06	8.41	16.47	12.85	29.32	5.08	34.40	18.14	52.54	5.47	37.87	37.87	75.74	39.45	115.19	44.44	159.63	44.44	204.07	63.97	268.04	63.97	332.01	4.57	336.58	57.31	393.90
1898	7.90	15.80	10.10	25.90	12.85	38.75	5.09	43.84	24.20	68.04	5.26	49.10	49.10	98.20	39.45	137.65	44.44	182.09	44.44	226.53	63.97	290.50	63.97	354.47	4.57	359.04	57.31	416.35
1899	220.99																											





SEWERAGE AND WATER BOARD OF NEW ORLEANS  
 TABLE OF RAINFALL IN NEW ORLEANS SINCE ESTABLISHMENT OF RAIN GAGES IN 1894  
 RAINFALL AND AVERAGES FOR "YEAR 1894 TO DATE"

YEAR No.	RAINFALL AND AVERAGES FOR "YEAR 1894 TO DATE"												EXCESS OR DEFICIENCY					
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		ANNUAL AVERAGE				
1894	3.22	0.43	3.65	1.44	10.23	6.21	16.44	31.46	37.46	7.00	44.46	3.27	47.72	2.90	58.12	3.75	55.81	-5.41
1901	462.86	475.61	840.81	1,611.61	1,963.16	1,984.86	2,490.03	3,000.43	3,600.78	4,200.13	4,800.48	5,400.83	6,001.18	6,601.53	7,201.88	7,802.23	8,402.58	9,002.93
1902	466.39	400.64	440.30	470.83	501.37	531.91	562.45	592.99	623.53	654.07	684.61	715.15	745.69	776.23	806.77	837.31	867.85	898.39
1903	457.47	471.91	486.35	499.79	513.23	526.67	540.11	553.55	566.99	580.43	593.87	607.31	620.75	634.19	647.63	661.07	674.51	687.95
1904	456.49	469.93	483.37	496.81	510.25	523.69	537.13	550.57	564.01	577.45	590.89	604.33	617.77	631.21	644.65	658.09	671.53	684.97
1905	455.51	468.95	482.39	495.83	509.27	522.71	536.15	549.59	563.03	576.47	589.91	603.35	616.79	630.23	643.67	657.11	670.55	683.99
1906	454.53	467.97	481.41	494.85	508.29	521.73	535.17	548.61	562.05	575.49	588.93	602.37	615.81	629.25	642.69	656.13	669.57	683.01
1907	453.55	466.99	480.43	493.87	507.31	520.75	534.19	547.63	561.07	574.51	587.95	601.39	614.83	628.27	641.71	655.15	668.59	682.03
1908	452.57	466.01	479.45	492.89	506.33	519.77	533.21	546.65	560.09	573.53	586.97	600.41	613.85	627.29	640.73	654.17	667.61	681.05
1909	451.59	465.03	478.47	491.91	505.35	518.79	532.23	545.67	559.11	572.55	585.99	599.43	612.87	626.31	639.75	653.19	666.63	680.07
1910	450.61	464.05	477.49	490.93	504.37	517.81	531.25	544.69	558.13	571.57	585.01	598.45	611.89	625.33	638.77	652.21	665.65	679.09
1911	449.63	463.07	476.51	489.95	503.39	516.83	530.27	543.71	557.15	570.59	584.03	597.47	610.91	624.35	637.79	651.23	664.67	678.11
1912	448.65	462.09	475.53	488.97	502.41	515.85	529.29	542.73	556.17	569.61	583.05	596.49	609.93	623.37	636.81	650.25	663.69	677.13
1913	447.67	461.11	474.55	487.99	501.43	514.87	528.31	541.75	555.19	568.63	582.07	595.51	608.95	622.39	635.83	649.27	662.71	676.15
1914	446.69	460.13	473.57	487.01	500.45	513.89	527.33	540.77	554.21	567.65	581.09	594.53	607.97	621.41	634.85	648.29	661.73	675.17
1915	445.71	459.15	472.59	486.03	499.47	512.91	526.35	539.79	553.23	566.67	580.11	593.55	606.99	620.43	633.87	647.31	660.75	674.19
1916	444.73	458.17	471.61	485.05	498.49	511.93	525.37	538.81	552.25	565.69	579.13	592.57	606.01	619.45	632.89	646.33	659.77	673.21
1917	443.75	457.19	470.63	484.07	497.51	510.95	524.39	537.83	551.27	564.71	578.15	591.59	605.03	618.47	631.91	645.35	658.79	672.23
1918	442.77	456.21	469.65	483.09	496.53	509.97	523.41	536.85	550.29	563.73	577.17	590.61	604.05	617.49	630.93	644.37	657.81	671.25
1919	441.79	455.23	468.67	482.11	495.55	508.99	522.43	535.87	549.31	562.75	576.19	589.63	603.07	616.51	629.95	643.39	656.83	670.27
1920	440.81	454.25	467.69	481.13	494.57	508.01	521.45	534.89	548.33	561.77	575.21	588.65	602.09	615.53	628.97	642.41	655.85	669.29
1921	439.83	453.27	466.71	480.15	493.59	507.03	520.47	533.91	547.35	560.79	574.23	587.67	601.11	614.55	627.99	641.43	654.87	668.31
1922	438.85	452.29	465.73	479.17	492.61	506.05	519.49	532.93	546.37	559.81	573.25	586.69	600.13	613.57	627.01	640.45	653.89	667.33
1923	437.87	451.31	464.75	478.19	491.63	505.07	518.51	531.95	545.39	558.83	572.27	585.71	599.15	612.59	626.03	639.47	652.91	666.35
1924	436.89	450.33	463.77	477.21	490.65	504.09	517.53	530.97	544.41	557.85	571.29	584.73	598.17	611.61	625.05	638.49	651.93	665.37
1925	435.91	449.35	462.79	476.23	489.67	503.11	516.55	529.99	543.43	556.87	570.31	583.75	597.19	610.63	624.07	637.51	650.95	664.39
1926	434.93	448.37	461.81	475.25	488.69	502.13	515.57	529.01	542.45	555.89	569.33	582.77	596.21	609.65	623.09	636.53	649.97	663.41
1927	433.95	447.39	460.83	474.27	487.71	501.15	514.59	528.03	541.47	554.91	568.35	581.79	595.23	608.67	622.11	635.55	648.99	662.43
1928	432.97	446.41	459.85	473.29	486.73	500.17	513.61	527.05	540.49	553.93	567.37	580.81	594.25	607.69	621.13	634.57	648.01	661.45
1929	431.99	445.43	458.87	472.31	485.75	499.19	512.63	526.07	539.51	552.95	566.39	579.83	593.27	606.71	620.15	633.59	647.03	660.47
1930	431.01	444.45	457.89	471.27	484.71	498.15	511.59	525.03	538.47	551.91	565.35	578.79	592.23	605.67	619.11	632.55	645.99	659.43
1931	430.03	443.47	456.91	470.29	483.73	497.17	510.61	524.05	537.49	550.93	564.37	577.81	591.25	604.69	618.13	631.57	645.01	658.45
1932	429.05	442.49	455.93	469.37	482.81	496.25	509.69	523.13	536.57	550.01	563.45	576.89	590.33	603.77	617.21	630.65	644.09	657.53
1933	428.07	441.51	454.95	468.39	481.83	495.27	508.71	522.15	535.59	549.03	562.47	575.91	589.35	602.79	616.23	629.67	643.11	656.55
1934	427.09	440.53	453.97	467.41	480.85	494.29	507.73	521.17	534.61	548.05	561.49	574.93	588.37	601.81	615.25	628.69	642.13	655.57
1935	426.11	439.55	452.99	466.43	479.87	493.31	506.75	520.19	533.63	547.07	560.51	573.95	587.39	600.83	614.27	627.71	641.15	654.59
1936	425.13	438.57	452.01	465.45	478.89	492.33	505.77	519.21	532.65	546.09	559.53	572.97	586.41	599.85	613.29	626.73	640.17	653.61
1937	424.15	437.59	451.03	464.47	477.91	491.35	504.79	518.23	531.67	545.11	558.55	571.99	585.43	598.87	612.31	625.75	639.19	652.63
1938	423.17	436.61	450.05	463.49	477.37	490.81	504.25	517.69	531.13	544.57	558.01	571.45	584.89	598.33	611.77	625.21	638.65	652.09
1939	422.19	435.63	449.07	462.51	476.39	489.83	503.27	516.71	530.15	543.59	557.03	570.47	583.91	597.35	610.79	624.23	637.67	651.11
1940	421.21	434.65	448.09	461.47	475.35	488.79	502.23	515.67	529.11	542.55	556.00	569.44	582.88	596.32	609.76	623.20	636.64	650.08
1941	420.23	433.67	447.11	460.49	474.37	487.81	501.25	514.69	528.13	541.57	555.01	568.45	581.89	595.33	608.77	622.21	635.65	649.09
1942	419.25	432.69	446.13	459.57	473.45	486.89	500.33	513.77	527.21	540.65	554.09	567.53	580.97	594.41	607.85	621.29	634.73	648.17
1943	418.27	431.71	445.15	458.59	472.47	485.91	499.35	512.79	526.23	539.67	553.11	566.55	580.00	593.44	606.88	620.32	633.76	647.20
1944	417.29	430.73	444.17	457.61	471.49	484.91	498.35	511.79	525.23	538.67	552.11	565.55	578.99	592.43	605.87	619.31	632.75	646.19
1945	416.31	429.75	443.19	456.63	470.51	483.93	497.37	510.81	524.25	537.69	551.13	564.57	578.01	591.45	604.89	618.33	631.77	645.21
1946	415.33	428.77	442.21	455.65	469.53	482.95	496.39	510.83	524.27	537.71	551.15	564.59	578.03	591.47	604.91	618.35	631.79	645.23
1947	414.35	427.79	441.23	454.67	468.55	482.00	495.44	508.88	522.32	535.76	549.20	562.64	576.08	589.52	602.96	616.40	629.84	643.27
1948	413.37	426.81	440.25	453.69	467.57	481.00	494.44	507.88	521.32	534.76	548.20	561.64	575.08	588.52	601.96	615.40	628.84	642.29
1949	412.39	425.83	439.27	452.71	466.59	480.02	493.46	506.90	520.34	533.78	547.22	560.66	574.10	587.54	600.98	614.42	627.86	641.31
1950	411.41	424.85	438.29	451.67	465.55	479.00	492.44	505.88	519.32	532.76	546.20	559.64	573.08	586.52	599.96	613.40	626.84	640.31
1951	410.43	423.87	437.31	450.65	464.53	478.00	491.44	504.88	518.32	531.76	545.20	558.64	572.08					

**SEWERAGE AND WATER BOARD OF NEW ORLEANS  
COST OF OPERATIONS IDENTIFICATION PROGRAM  
BENCHMARKING 2009**

**ADMINISTRATIVE SERVICES DEPARTMENT**

Insurance Cost per Employee:	
Workers' Compensation	\$ 333.75
Auto Liability	\$1,732.94
General Liability	\$ 95.45
	\$ 941.91

**ENGINEERING DEPARTMENT**

Cost to Design a Project*	6.8%
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**ENVIRONMENTAL DEPARTMENT**

Cost of Typical Industry Sampling Event	\$ 390.18
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**FACILITY MAINTENANCE DEPARTMENT**

Cost to set 5/8" water meter	\$ 82.25
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**MANAGEMENT SERVICES DEPARTMENT**

**FINANCE:**

Cost to Process a Miscellaneous Invoice	\$ 40.08
Cost to process a Vendor Invoice	\$ 6.37
Cost to process a Paycheck	\$ 6.74

**INFORMATION SYSTEM:**

Cost to Image a Document	\$ 0.37
Cost to Retrieve a Document	\$ 1.88

**PERSONNEL:**

Cost to Hire an Employee	\$ 121.84
Cost to complete a Voluntary Employee Termination	N/A
Employee Turnover Rate	8.58%
Cost to Train an Employee	N/A

**PURCHASING:**

Cost to Process a Sundry Purchase Order	\$ 39.08
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**REVENUE:**

Cost to Read a Meter	\$ 2.07
Cost to Render a Bill (Less Meter Reading)	\$ 0.78
Cost to Manage a Customer by Phone	\$ 3.01
Cost to Manage a Customer by Mail	\$ 4.64
Cost to Manage a Walk-in Customer	\$ 3.64
Cost to Process a Mail-in Payment	\$ 0.41
Cost to Process a Walk-in Payment	\$ 0.98

**SUPPORT SERVICES DEPARTMENT**

Average Annual Maintenance Cost Per Piece of Equipment	\$1,000.00 15%
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**SEWERAGE AND WATER BOARD OF NEW ORLEANS**

**SINGLE AUDIT REPORTS**

**DECEMBER 31, 2009**

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**P&N** Postlethwaite  
& Netterville

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**SEWERAGE AND WATER BOARD OF NEW ORLEANS**  
**New Orleans, Louisiana**

Single Audit Reports

December 31, 2009

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**REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING  
AND ON COMPLIANCE AND OTHER MATTERS BASED ON AN AUDIT  
OF FINANCIAL STATEMENTS PERFORMED IN ACCORDANCE WITH  
GOVERNMENT AUDITING STANDARDS**

To the Members of the Board  
Sewerage and Water Board of New Orleans:

We have audited the financial statements of the Sewerage and Water Board of New Orleans (the Board), as of and for the year December 31, 2009, and have issued our report thereon dated June 29, 2010. We conducted our audit in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States.

Internal Control Over Financial Reporting

In planning and performing our audit, we considered the Board's internal control over financial reporting as a basis for designing our auditing procedures for the purpose of expressing our opinion on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the Board's internal control over financial reporting. Accordingly, we do not express an opinion on the effectiveness of the Board's internal control over financial reporting.

A *deficiency in internal control* exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct misstatements on a timely basis. A *material weakness* is a deficiency, or a combination of deficiencies, in internal control such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented, or detected and corrected on a timely basis. We consider the deficiency described in the accompanying schedule of findings and questioned costs, indexed as 2009-1, to be a material weakness.

Compliance and Other Matters

As part of obtaining reasonable assurance about whether the Board's financial statements are free of material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the determination of financial statement amounts. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*. The results of our tests disclosed an instance of noncompliance or other matters that is required to be reported under *Government Auditing Standards* and which is described in the accompanying schedule of findings and questioned costs as item 2009-2.

We noted certain matters that we reported to management of the Board, in a separate letter dated June 29, 2010.

The Board's responses to the findings identified in our audit are described in the accompanying schedule of findings and questioned costs. We did not audit the Board's responses and, accordingly, we express no opinion on the responses.

This report is intended solely for the information and use of the Board, the Board's management and federal awarding agencies and pass-through entities, such as the State of Louisiana and Legislative Auditor's Office and is not intended to be and should not be used by anyone other than these specified parties. However, under Louisiana Revised Statute 24:513, this report is distributed by the Legislative Auditor as a public document.



New Orleans, Louisiana  
June 29, 2010

**REPORT ON COMPLIANCE WITH REQUIREMENTS APPLICABLE TO THE MAJOR PROGRAM, ON INTERNAL CONTROL OVER COMPLIANCE IN ACCORDANCE WITH OMB CIRCULAR A-133 AND THE SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS**

To the Members of the Board  
Sewerage and Water Board of New Orleans:

Compliance

We have audited the compliance of Sewerage and Water Board of New Orleans (the Board), with the types of compliance requirements described in the U. S. Office of Management and Budget (OMB) *Circular A-133 Compliance Supplement* that are applicable to each of its major federal programs for the year ended December 31, 2009. The Board's major federal programs are identified in the summary of auditor's results section of the accompanying schedule of findings and questioned costs. Compliance with the requirements of laws, regulations, contracts, and grants applicable to each of its major federal programs is the responsibility of the Board's management. Our responsibility is to express an opinion on the Board's compliance based on our audit.

We conducted our audit of compliance in accordance with auditing standards generally accepted in the United States of America; the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States; and OMB Circular A-133, *Audits of States, Local Governments, and Non-Profit Organizations*. Those standards and OMB Circular A-133 require that we plan and perform the audit to obtain reasonable assurance about whether noncompliance with the types of compliance requirements referred to above that could have a direct and material effect on a major federal program occurred. An audit includes examining, on a test basis, evidence about the Board's compliance with those requirements and performing such other procedures as we considered necessary in the circumstances. We believe that our audit provides a reasonable basis for our opinion. Our audit does not provide a legal determination of the Board's compliance with those requirements.

In our opinion, the Board complied, in all material respects, with the requirements referred to above that are applicable to each of its major federal programs for the year ended December 31, 2009. However, the results of our auditing procedures disclosed an instance of noncompliance with those requirements, which is required to be reported in accordance with OMB Circular A-133 and which is described in the accompanying schedule of findings and questioned costs as item 2009-3.

Internal Control Over Compliance

Management of the Board is responsible for establishing and maintaining effective internal control over compliance with the requirements of laws, regulations, contracts, and grants applicable to federal

programs. In planning and performing our audit, we considered the Board's internal control over compliance with the requirements that could have a direct and material effect on a major federal program in order to determine our auditing procedures for the purpose of expressing our opinion on compliance and to test and report on internal control over compliance in accordance with OMB Circular A-133, but not for the purpose of expressing an opinion on the effectiveness of internal control over compliance. Accordingly, we do not express an opinion on the effectiveness of the Board's internal control over compliance.

*A deficiency in internal control over compliance* exists when the design or operation of a control over compliance does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, noncompliance with a type of compliance requirement of a federal program on a timely basis. A *material weakness in internal control over compliance* is a deficiency, or combination of deficiencies, in internal control over compliance, such that there is a reasonable possibility that material noncompliance with a type of compliance requirement of a federal program will not be prevented, or detected and corrected, on a timely basis.

Our consideration of internal control over compliance was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control over compliance that might be deficiencies, significant deficiencies or material weaknesses. We did not identify any deficiencies in internal control over compliance that we consider to be material weaknesses, as defined above.

#### Schedule of Expenditures of Federal Awards

We have audited the financial statements of the Board as of and for the year ended December 31, 2009, and have issued our report thereon dated June 29, 2010. Our audit was performed for the purpose of forming our opinion on the Board's basic financial statements. The accompanying schedule of expenditures of federal awards is presented for purposes of additional analysis as required by OMB Circular A-133 and is not a required part of the basic financial statements. Such information has been subjected to the auditing procedures applied in the audit of the basic financial statements and, in our opinion, is fairly stated, in all material respects, in relation to the basic financial statements taken as a whole.

The Board's responses to the findings identified in our audit are described in the accompanying schedule of findings and questioned costs. We did not audit the Board's responses and, accordingly, we express no opinion on the responses.

This report is intended solely for the information of the Board, the Board's management and federal awarding agencies and pass-through entities, such as the Louisiana and Legislative Auditor's Office, and is not intended to be and should not be used by anyone other than these specified parties. However under Louisiana Revised Statute 24:513, this report is distributed by the Legislative Auditor as a public document.



New Orleans, Louisiana  
June 29, 2010

**SEWERAGE AND WATER BOARD OF NEW ORLEANS  
New Orleans, Louisiana**

Schedule of Expenditures of Federal Awards

For the year ended December 31, 2009

<u>Federal Grantor/Program Title</u>	<u>CFDA Number</u>	<u>Expenditures</u>
Department of Housing and Urban Development – Community Development Block Grants Passed through State of Louisiana Office of Community Development	14.228	\$ 3,284,531
Environmental Protection Agency – Research & Technology Foundation: The Lake Pontchartrain Basin Program: Passed through University of New Orleans	66.606	93,986
Environmental Protection Agency – Capitalization Grants for Drinking Water State Revolving Funds: Passed through Louisiana Department of Health and Hospitals - ARRA	66.468	1,273
United States Department of Homeland Security – Public Assistance Grants: Passed through the State of Louisiana Office of Homeland Security and Emergency Preparedness	97.036	49,834,596
Department of Homeland Security- Hazard Mitigation Grant Passed through the State of Louisiana Office of Homeland Security and Emergency Preparedness	97.039	33,500
United States Department of Homeland Security – Special Community Disaster Loans (note 4)	97.030	-
		<u>\$ 53,247,886</u>

See accompanying notes to Schedule of Expenditures of Federal Awards.

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**  
**New Orleans, Louisiana**

Notes to Schedule of Expenditures of Federal Awards

December 31, 2009

**(1) General**

The accompanying Schedule of Expenditures of Federal Awards presents the activity of the federal awards of the Sewerage and Water Board of New Orleans (the Board). The Board's reporting entity is defined in note 1 to the financial statements for the year ended December 31, 2009. All federal awards received from federal agencies are included on the schedule.

**(2) Basis of Accounting**

The accompanying Schedule of Expenditures of Federal Awards is presented using the accrual basis of accounting, which is described in note 1 to the Board's financial statements for the year ended December 31, 2009.

**(3) Relationship to Basic Financial Statements**

Federal awards are included in statement of revenues, expenses and changes in net assets as follows:

Operating and maintenance grants	\$ 19,373,185
Capital contributions	<u>33,874,701</u>
	\$ <u>53,247,886</u>

**(4) Loans Payable to Federal Agency**

The Board received a Special Community Disaster Loan (the "Loan") from the federal government in January 2006. Total draw downs as of December 31, 2009 total \$61,956,747. The terms of the Loan call for interest to accrue at various annual rates to be repaid with the principal when the Loan becomes due during 2011.

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**  
**New Orleans, Louisiana**

Schedule of Findings and Questioned Costs

Year ended December 31, 2009

(1) Summary of Auditors' Results

- (a) The type of report issued on the basic financial statements: unqualified opinion
- (b) Significant deficiencies in internal control were disclosed by the audit of the basic financial statements: no; Material weaknesses: yes
- (c) Noncompliance which is material to the basic financial statements: no
- (d) Significant deficiencies in internal control over major program: no;  
Material weaknesses: no
- (e) The type of report issued on compliance for major program: unqualified opinion
- (f) Any audit findings which are required to be reported under Section 510(a) of OMB Circular A-133: yes
- (g) Major program:
  - Department of Housing and Urban Development –  
Community Development Block Grants - Passed through State of Louisiana Office of  
Community Development (CFDA number 14.228)
  - United States Department of Homeland Security, Federal Emergency Management Agency –  
Public Assistance Grants - passed through the State of Louisiana (CFDA number 97.036)
- (h) Dollar threshold used to distinguish between Type A and Type B programs: \$1,597,437
- (i) Auditee qualified as a low-risk auditee under Section 530 of OMB Circular A-133: no

(2) Findings Relating to the Basic Financial Statements Reported in Accordance with Government Auditing Standards:

2009-1 – Internal Control over Financial Reporting

Condition: General ledger account reconciliations for some significant accounts or transaction classes were not performed by management in a timely manner.

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**  
**New Orleans, Louisiana**

Schedule of Findings and Questioned Costs (continued)

Year ended December 31, 2009

- (2) Findings Relating to the Basic Financial Statements Reported in Accordance with Government Auditing Standards (continued):

2009-1 – Internal Control over Financial Reporting (continued)

Criteria: The definition of internal controls over financial reporting is that policies and procedures exist that pertain to an entity's ability to initiate, record, process, and report financial data consistent with the assertions embodied in the annual financial statements, which for the Board is that financial statements are prepared in accordance with generally accepted accounting principles (GAAP). Our responsibility under current audit standards requires us to communicate this issue to management and the Board of Commissioners.

Effect: As part of the audit process, we have historically assisted management in drafting the financial statements and related notes for the year-end audit procedures. During the course of our audit procedures we identified significant adjusting entries to general ledger accounts. Because our involvement is so important to the financial reporting process and due to the significance of the financial statement adjustments, this is an indication that the internal control over financial reporting of the Board meets the definition of a significant deficiency and reaches the level of a material weakness.

Cause: Management did not perform the reconciliations of some general ledger accounts in a timely manner.

Auditor's recommendation: All general ledger accounts should be reconciled in a timely manner and reviewed by management. This review should be documented.

Management response: Loss of key personnel in Accounting and Information Technology affected timely completion of financial activities. Finance has established stronger procedures to enhance Accounting Personnel knowledge of reconciliations and internal controls. More management oversight has been implemented.

2009-2 – Debt Compliance

Criteria: The sewerage service revenue bond agreements have a bond debt service coverage covenant that requires that the Sewerage Fund produce revenues over and above the amount required for the operation and maintenance of the Sewerage Fund which shall not be less than 130% of the maximum of debt service due in any calendar year on all outstanding bonds.

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**  
**New Orleans, Louisiana**

Schedule of Findings and Questioned Costs (continued)

Year ended December 31, 2009

- (2) Findings Relating to the Basic Financial Statements Reported in Accordance with Government Auditing Standards (continued):

2009-2 – Debt Compliance (continued)

Condition: The bond debt service coverage for the Sewerage Fund was 97% for the year ended December 31, 2009.

Cause: Revenues were not sufficient to meet bond debt service coverage due to increased expenses and increased debt service requirements.

Effect: The Sewerage Fund is in violation of the bond debt service coverage requirement.

Recommendation: The Board should consider ways to increase revenues or decrease expenses to provide sufficient debt service coverage.

Management's response: The Sewerage and Water Board of New Orleans is current with all debt service payments and has not made any withdrawals from the debt service reserve funds. The Board has engaged Raftelis Financial Consultants to perform a comprehensive financial analysis and rate study for the sewer, water, and drainage systems. The Board has faced significant financial challenges following Hurricane Katrina. Water revenues decreased immediately with the loss of population and businesses, while maintenance expenses and capital requirements soared. The Sewerage and Water Board met these challenges by obtaining emergency loans and grants, by significantly reducing staff levels, by eliminating nearly all discretionary expenses, and through modest increases in water rates, which were proposed prior to Hurricane Katrina. In addition, the federal and state governments have provided large amounts of capital funding to rebuild portions of the water, sewerage, and drainage systems that were damaged or destroyed by the floodwaters from the failed levees. However, despite these efforts and government funds, the revenues of the systems have been inadequate to meet important operational needs and bond covenants for debt service coverage. The financial planning and rate study project is intended to result in recommendations to increase revenues that, upon approval and implementation by mid-year 2011, will meet or exceed all coverage requirements and should ensure at a very high degree of likelihood that all bonded indebtedness would be immediately rated at a level of minimum investment grade or higher.

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**  
**New Orleans, Louisiana**

Schedule of Findings and Questioned Costs (continued)

Year ended December 31, 2009

(3) Findings and Questioned Costs relating to Federal Awards

2009-3 – Supporting Documentation for Expenditures  
Public Assistance Grants (CFDA number 97.036)

Criteria: Only actual costs incurred can be charged to a program (OMB Circular A-87 and OMB Circular A-133 Compliance Supplement).

Condition: The Board enters information from approved manual work papers into an electronic work order system. The electronic work orders are submitted to the state government agency in order to be reimbursed for labor, materials, and equipment usage. Of the 200 manual work orders selected for testing, 5 could not be located by the Board. We noted a net error of \$2,194 during the testing of \$262,355 of work orders.

Cause: The Board does not have a system to review manual work orders after they are entered into the electronic work order system to ensure accuracy. In addition, the Board does not have procedures in place to ensure that all manual work orders are maintained in a central location.

Effect: Some of the electronic work orders did not agree to the approved manual work orders, and some work orders could not be located by the Board.

Recommendation: The Board should put procedures and controls in place to ensure that information from work orders entered into the electronic work order system is accurate, and manual work orders should be maintained in a central location.

Management response: The Board's staff will implement procedures and controls to insure that data from work orders entered into the automated work order system is correct. Additionally, procedures will be implemented to ensure that manual work orders will be maintained in a centralized location.

**SEWERAGE AND WATER BOARD OF NEW ORLEANS**  
**New Orleans, Louisiana**

Summary Schedule of Prior Audit Findings

Year ended December 31, 2009

2008-1 – Internal Control over Financial Reporting

Condition: General ledger account reconciliations for some significant accounts or transaction classes were not performed by management in a timely manner.

Effect: As part of the audit process, we have historically assisted management in drafting the financial statements and related notes for the year-end audit procedures. During the course of our audit procedures we identified significant adjusting entries to general ledger accounts. Because our involvement is so important to the financial reporting process and due to the significance of the financial statement adjustments, this is an indication that the internal control over financial reporting of the Board meets the definition of a significant deficiency and reaches the level of a material weakness.

Current Status: Not resolved. See repeat finding at 2009-1.



June 29, 2010

Members of the Board  
Sewerage and Water Board of New Orleans:

We have audited the financial statements of the Sewerage and Water Board of New Orleans (the Board) as of and for the year ended December 31, 2009 and have issued our report thereon dated June 29, 2010. In planning and performing our audit of the financial statements of the Board, we considered internal control as a basis for designing our auditing procedures for the purpose of expressing our opinion on the financial statements but not for the purpose of expressing an opinion on the effectiveness of the City's internal control. Accordingly, we do not express an opinion on the effectiveness of the Board's internal control.

During our audit we noted certain matters involving internal control and other operational matters that are presented for your consideration. These comments and recommendations, all of which have been discussed with the appropriate members of management, are intended to improve internal control or result in other operating efficiencies and are summarized as follows:

1. Supporting Documentation for Workers' Compensation

*Observation:* The Board could not locate files for 2 of the 15 employees selected for testing. Of the 13 employee files tested, 2 of the files did not have supporting documentation for the employee's injury and rehabilitation.

*Recommendation* The Board should implement processes and procedures to ensure that the supporting documentation is maintained for each employee receiving workers' compensation documentation on the employee's injury and rehabilitation.

*Management's Response:* The Workers' Compensation Office will review existing processes and files to verify that fully documented files are maintained on all active Workers' Compensation cases.

2. Overtime Authorization

*Observation:* The Board could not provide an approved overtime pre-authorization form for 14 out of 60 employees tested. The overtime was subsequently approved before the time sheets were processed.

*Recommendation:* Implement processes and procedures to ensure that overtime is properly authorized in advance.

*Management's Response:* Management will review the control procedures for preauthorization of overtime with supervisory personnel and will monitor compliance to ensure effectiveness.

Sincerely,

*Postlethwaite + Netterville*

