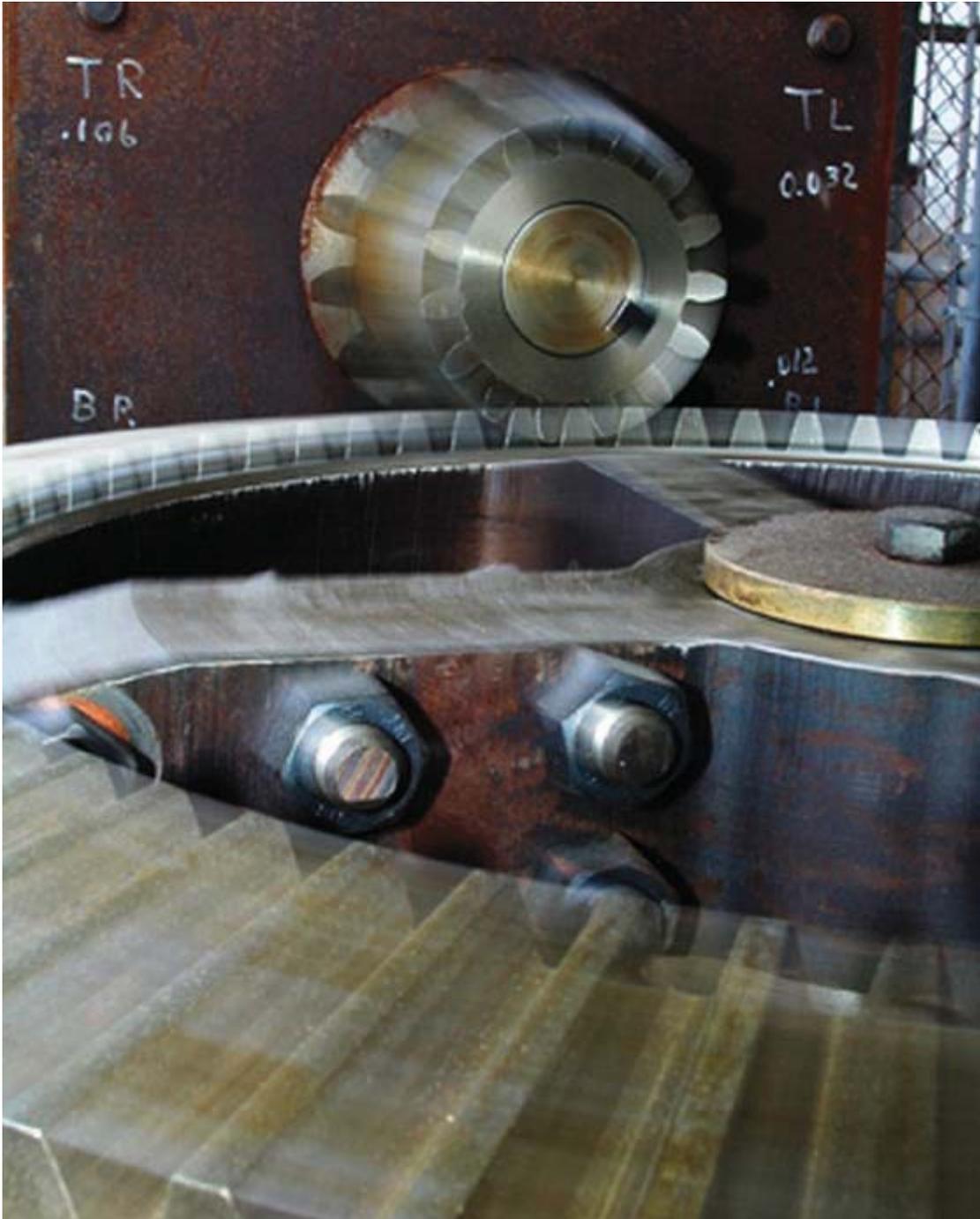


Sewerage and Water Board

OF NEW ORLEANS, LA.



COMPREHENSIVE ANNUAL FINANCIAL REPORT

FOR THE YEAR ENDED DECEMBER 31, 2003

About the Cover:

A bull and pinion gear assembly is used to move mixing paddles in the "G" basins at the East Bank Water Treatment Plant. The gears, shown here mounted on a test rig, were manufactured at the Sewerage and Water Board's state-of-the-art Machine and Fabrication Shop. Machinists test the engagement and wear patterns of the gears before permanent installation. The "shop" routinely produces a myriad of parts and pieces to keep the Board's time-proven machinery and equipment for the water, sewerage and drainage systems in top condition. The shop's work, along with the accomplishments of numerous other departments, helps the men and women of the Sewerage and Water Board achieve their goal of "Tackling America's Toughest Water Challenges."

Photo by Lloyd Dennis Photography

**SEWERAGE AND WATER BOARD
OF NEW ORLEANS**

**Comprehensive Annual Financial Report
For the Year Ended
December 31, 2003**

**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 services in the south-central United States by providing quality, reliable, and cost effective services to our Customers while maintaining fair and ethical treatment of our well-trained and highly motivated employees.

OUR VALUES

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 interdepartmental team work

Assuring reliability in providing services to customers

KEY RESULT AREAS

Customer Satisfaction

Cost Effectiveness

Employee Satisfaction

Capabilities Improvement through Training

SEWERAGE AND WATER BOARD OF NEW ORLEANS

Comprehensive Annual Financial Report

Year ended December 31, 2003

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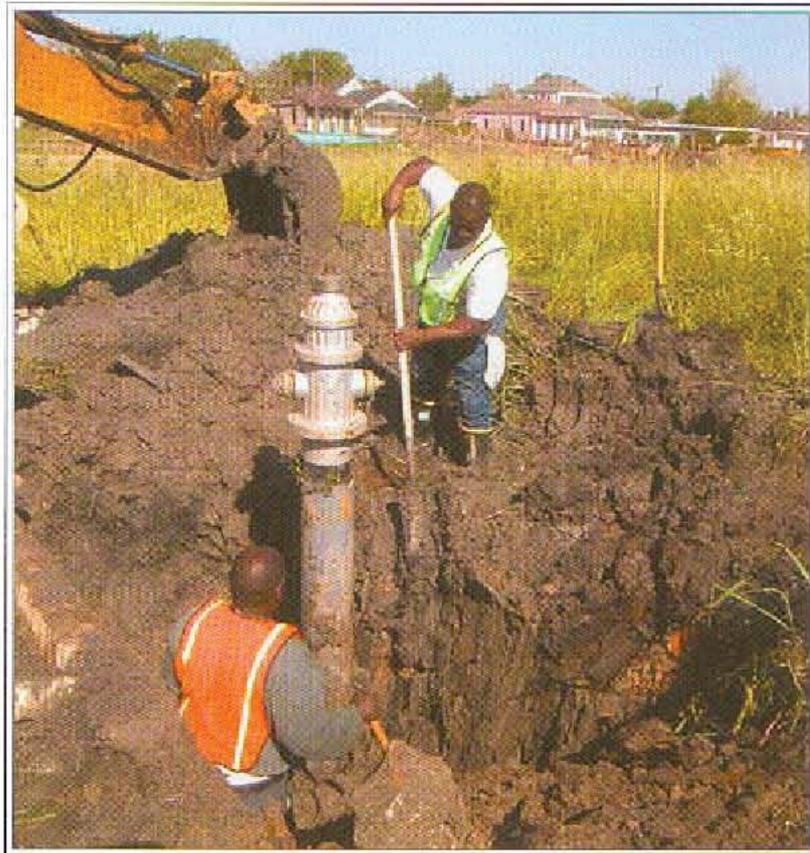
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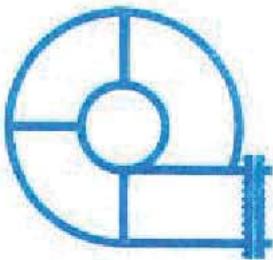
INTRODUCTORY SECTION

Special crews of the Networks Division are assigned to inspect, maintain, repair or replace fire hydrants throughout the City on a year-round basis. More than 17,000 hydrants stand ready to provide water for fire fighting purposes. Hydrants are often damaged by vehicles, tree roots, subsidence and vandalism.



An empty water treatment basin, under renovation at the East Bank Water Treatment Plant, offers a rare view of mixing paddles in the flocculation chamber. The paddles provide slow mixing which is crucial to the processes of sedimentation removal and filtration.





"RE-BUILDING THE CITY'S WATER SYSTEMS FOR THE 21st CENTURY"

Sewerage & Water Board OF NEW ORLEANS

C. RAY NAGIN, JR., *President*
SIDNEY H. EVANS, JR., *President Pro-Tem*

April 12, 2004

625 ST. JOSEPH STREET
NEW ORLEANS, LA., 70165 • 585-2000
www.swbnola.org

TO: 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, 2003. Responsibility for both the accuracy of the data and the completeness and fairness of the presentation, including all disclosures, rest solely with the Sewerage and Water Board. It is our belief that the data, as presented, is accurate in all material aspects and is presented in a manner designed to fairly set forth 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.

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 2002 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 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.

Sewerage and Water Board of New Orleans is a political subdivision created in 1899 by Louisiana 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. 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.

ECONOMIC CONDITION AND OUTLOOK

The Board's service area includes the Civil Parish of Orleans in the state of Louisiana and covers 364 square miles. Based on the 2000 census, the population of Orleans Parish was 484,674. Major industries include tourism, oil and gas, transportation, health and other services, such as legal, education and entertainment.

According to the January 2003 Metropolitan Report: Economic Indicators for the New Orleans Area prepared by the Division of Business and Economic Research, University of New Orleans, a total of nonfarm employment in the New Orleans Metropolitan Area increased by 7,000 job (1.1%). The largest increase was in educational services (25.6%, 5,000 jobs), also showing a substantial increase were leisure and hospitality (3.2%, 2,600 jobs) construction (6.7%, 2,000 jobs) and durable goods manufacturing (7.1%, 1,500 jobs). The largest losses occurred in professional and business services resulting in 3,300 fewer jobs (-4.5%) and retail trade showing a decline of 3.3% (2,300 jobs).

The New Orleans area deepwater rig count decreased by 9 from 41 to 32 (-22%) from December 2002 to December 2003. The state rig count moved up by one from 160 to 161 (0.6%). Crude oil prices were up by \$2.67 from \$29.46 to \$32.13 from December 2002 to December 2003. Natural gas prices increased modestly from December 2002 to December 2003 by \$1.53 for \$4.35 to \$5.88.

Hotel occupancy rates in New Orleans and Louisiana as a whole increased by 8.2% and 5.0% respectively, with a correlated increase in airport activity, from December 2002 to December 2003.

The January 1, 2003 Nokia Sugar Bowl and its festival events produced an economic impact of \$175.98 million for the city and state according to a study completed by University of

New Orleans. Comprising the Sugar Bowl's overall economic impact figure was a sum of \$92.12 million in direct visitors spending and an additional \$83.86 million in secondary spending. State and local governments also realized over \$16.63 million in tax revenue as a result of Sugar Bowl activities. The January 2004 Sugar Bowl economic impact for the City has not been released as of yet.

Casino revenue in New Orleans was relatively stable compared to others in the region, decreasing between December 2002 and December 2003 by just .3%, while Louisiana casino revenue decreased by 4.7%. Mississippi casino revenues showed a similar decrease of 4.6% overall during the same period. The New Orleans economy has started to improve slowly. From 1995 to 2002, the annual rate of growth was .34% and, in 2003, the growth rate was .50%.

MAJOR INITIATIVES

For the year: The Board budgeted approximately \$268 million for capital improvements in 2003. Highlights of this program included:

- Water:** Work continues on the data collection process of developing a water distribution system hydraulic model. The model will predict capital requirements in the distribution system. Work continues on the master planning for advanced water treatment for both the Algiers and Carrollton Water Purification Plants. Continued program of rehabilitation of water filters. The Board completed silt removal at New River Intake Station, Algiers Water Purification piping medications, and repairs to the interior of the Algiers Elevated Water Tank. The Board initiated rehabilitation of Clarifier Unit #1 at the Algiers Water Purification Plant and painting of six steel tanks at the Main Carrollton Water Purification Plant.
- Sewerage:** The Board continues work on the citywide sewer rehabilitation program. The Sewerage and Water Board of New Orleans (S&WB) has undertaken a multi-year program, the Sewer System Evaluation and Rehabilitation Program (SSERP), to identify and address structural and mechanical deficiencies in the wastewater collection system and to ensure that the system has adequate capacity. In compliance with Section XV-Clean Water Act Remedial Measures these improvements are needed. In June 1998, the Comprehensive Collection System Remedial Program of the Consent Decree between the S&WB, the City of New Orleans, the State of Louisiana, plaintiff intervenors, and the United States of America Environmental Protection Agency, are required to comply with Section XV-Clean Water Act Remedial Measures. In 2003 there were approximately \$44,239,080 expended in sewer collection and transmission system improvements. Including inspecting 2,300 sewer manholes and rehabilitated 1,930 sewer manholes. Construction and rehabilitated 166,000 feet of sanitary sewer pipelines continued in the Central Business District/French Quarter and Gentilly areas.

The Board initiated and completed investigation in the Carrollton area, started investigation in the New Orleans East Area and started construction in the Uptown and Mid-City areas.

Congress approved federal grant funding for 2003, the seventh in an anticipated series of grants from the Environmental Protection Agency (EPA) for planning, designing, construction, and rehabilitation of the sanitary sewer system. This grant award was \$867,300 and must be matched by approximately \$709,609 of Board funds.

Drainage: The following (SELA) Projects are in progress and are projected for completion in the year of 2004. A new canal beneath South Claiborne Avenue from Jena Street to Louisiana Avenue worth \$17.2 million was completed in February 2004. The Pritchard Street Pumping Station worth \$5.7 million is projected for completion by March 2004. A canal beneath Forshey and Dublin Streets worth \$15.4 million is projected for completion by May 2004. There is also the Hollygrove Canal that is located beneath Eagle Street and the rail line worth \$14.3 million is projected for completion by October 2004. The following (SELA) Projects design phase has been completed and the work is expected to begin in the year of 2004. Dwyer Road Intake canal, from Lafon to Dwyer Road Pumping Station worth \$18.5 million and the Florida Avenue Canal Phase One, from Mazant to Pumping Station No. 19 on the Industrial Canal is worth \$10.5 million.

A five-year Capital Program budget of \$1,599,932 was approved by Sewerage and Water Board in December 2003. The approved amount for Drainage projects was \$586,568,000; of that amount, \$288,683,000 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 judgement by management.

The Enterprise Fund's water and sewerage systems are financed by user fees multi rate increase adopted in 2003, list 15%, 2003, 15% in 2004, 14% in 2005 and 14% in 2006. 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. 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 Board's total operating revenues increased by 9.9% as a result of an increase in charges for services due to a sewerage rate increase effective August 2003. Operating expenses increased by a modest 6.1% from December 2002 to December 2003 as a result of an increase in the price of natural gas purchased by the Board and in the price per kilowatt hour of purchased electricity as compared to 2002.

Pension Trust Fund Operations: The contributions to the Pension Trust Funds are based on actuarial valuations.

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, 2003 totaled \$367,215,000.

Cash Management: Cash temporarily idle in the Enterprise Fund during the year was invested in commercial bank certificates of deposit, repurchase agreements, and U. S. Treasury Bills. Effective, January 1998, investments were recorded at fair value. Investment income on these idle funds was \$3,087,777.65.

Risk Management: The Sewerage and Water Board uses both insured and retained risk programs to manage exposures to loss. The Board administers self-insured programs for property and automobile liability exposures. Also, retained risk programs for general liability and workers' compensation losses and claims are administered by the Board.

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 firms of Postlethwaite & Netterville and Bruno & Trevalon were

selected by the Board to perform this audit. 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 the Sewerage and Water Board of New Orleans for its Comprehensive Annual Financial Report for the fiscal year ended December 31, 2002. The Certificate of Achievement is a prestigious national award-

recognizing conformance with the highest standards for preparation of state and local government financial reports.

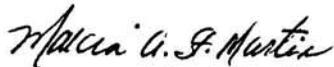
In order to be awarded a Certificate of Achievement, a government unit must publish an easily readable and efficiently organized comprehensive annual financial report whose contents conform to program standards. Such CAFR must satisfy both generally accepted accounting principles and applicable legal 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 the last twenty-one (21) consecutive 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 Board's Management Services Administration, particularly the Accounting and Printing Departments.

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,

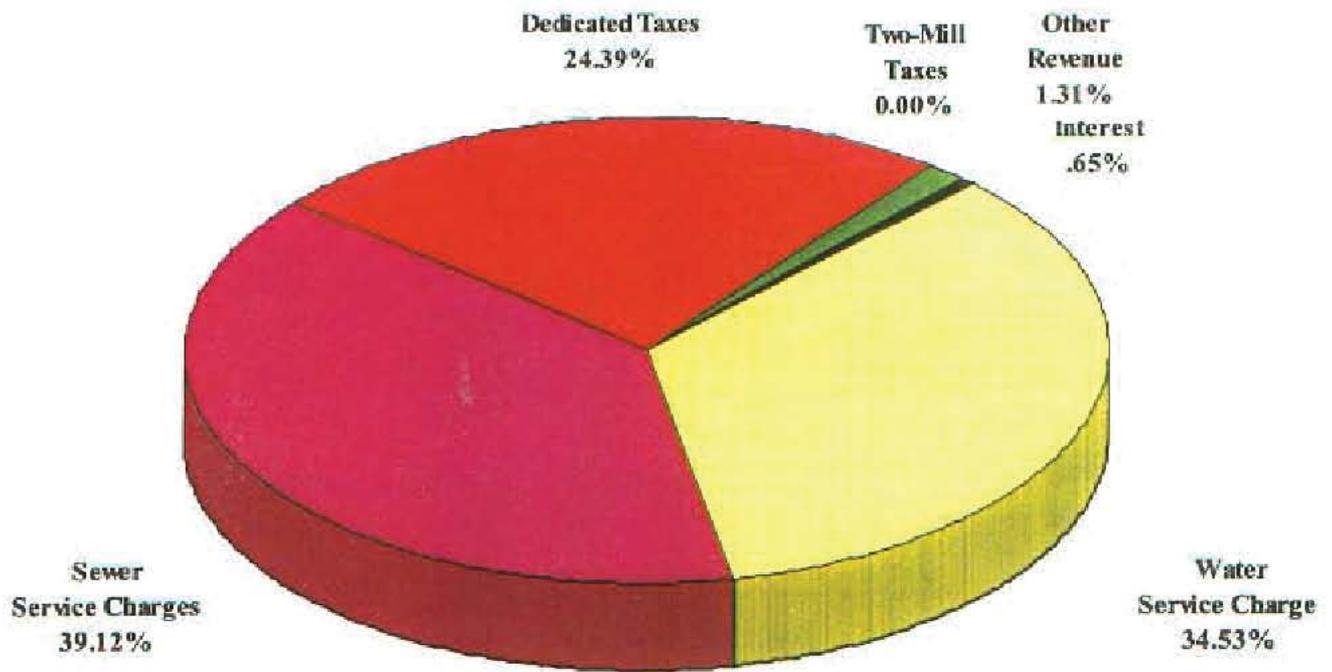


Marcia A. St. Martin
Interim Executive Director

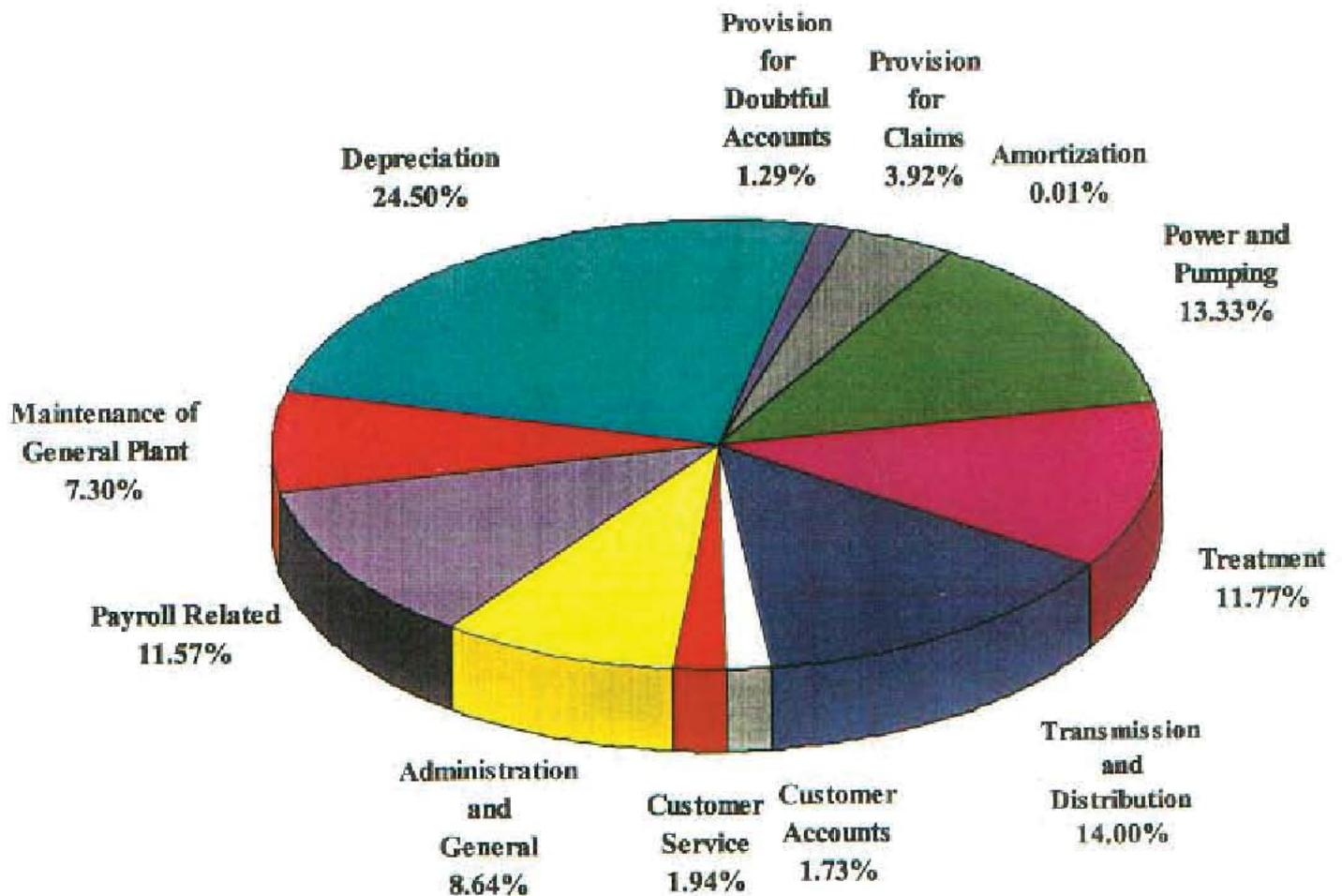


Ethel H. Williams
Utility Financial Administrator

2003 Revenues



2003 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, 2002

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.



President

Executive Director

OFFICERS
of the
SEWERAGE AND WATER BOARD
OF NEW ORLEANS

=====

December 31, 2003

C. RAY NAGINPresident
Mayor, City of New Orleans

SIDNEY H. EVANS, JR President Pro Tem

MARCIA A. ST. MARTIN Interim Executive Director

VACANT Deputy Director

G. JOSEPH SULLIVANGeneral Superintendent

VACANTDeputy General Superintendent

JOHN D. LAMBERT, JR Special Counsel

MEMBERS OF
SEWERAGE AND WATER BOARD OF NEW ORLEANS

December 31, 2003

C. RAY NAGIN Mayor

EDDIE L. SAPIR Councilmember-at-Large

OLIVER M. THOMAS Councilmember-at-Large

MARLIN N. GUSMAN Councilman District D

SIDNEY H. EVANS, JR. Member - Board of Liquidation, City Debt

NORMA E. GRACE Member - Board of Liquidation, City Debt

PENELOPE RANDOLPH Councilmanic District A

WILLIAM F. GRACE JR. Councilmanic District B

TOMMIE A. VASSEL Councilmanic District C

GARY N. SOLOMON Councilmanic District D

HENRY A. DILLON, JR. Councilmanic District E

BENJAMIN L. EDWARDS, SR. At-Large Member

BARBARA LAMONT At-Large Member

**COMMITTEES
OF THE
SEWERAGE AND WATER BOARD
OF
NEW ORLEANS
December 31, 2003**

EXECUTIVE COMMITTEE

SIDNEY H. EVANS, JR. - Chairperson

BARBARA LAMONT
EDDIE L. SAPIR

GARY N. SOLOMON
OLIVER M. THOMAS

FINANCE AND OPERATIONS COMMITTEE

GARY N. SOLOMON - Chairperson

SIDNEY H. EVANS, JR.
PENELOPE RANDOLPH

OLIVER M. THOMAS
TOMMIE A. VASSEL

INFRASTRUCTURE COMMITTEE

BARBARA LAMONT - Chairperson

NORMA E. GRACE
WILLIAM F. GRACE, JR.

EDDIE L. SAPIR
GARY N SOLOMON

INSURANCE (AD HOC) COMMITTEE

PENELOPE RANDOLPH - Chairperson

BENJAMIN L. EDWARDS, SR.
MARLIN N. GUSMAN

BARBARA LAMONT
TOMMIE A. VASSEL

PENSION COMMITTEE

SIDNEY H. EVANS, JR. - Chairperson

HENRY A. DILLON, JR.
NORMA E. GRACE
MARLIN N. GUSMAN

PATRICIA W. CAMPBELL
WARREN J. LAWRENCE
HOWARD E. NOLAN
MARVIN R. RUSSELL, JR.

PALMER & CAY CONSULTING GROUP, Actuary

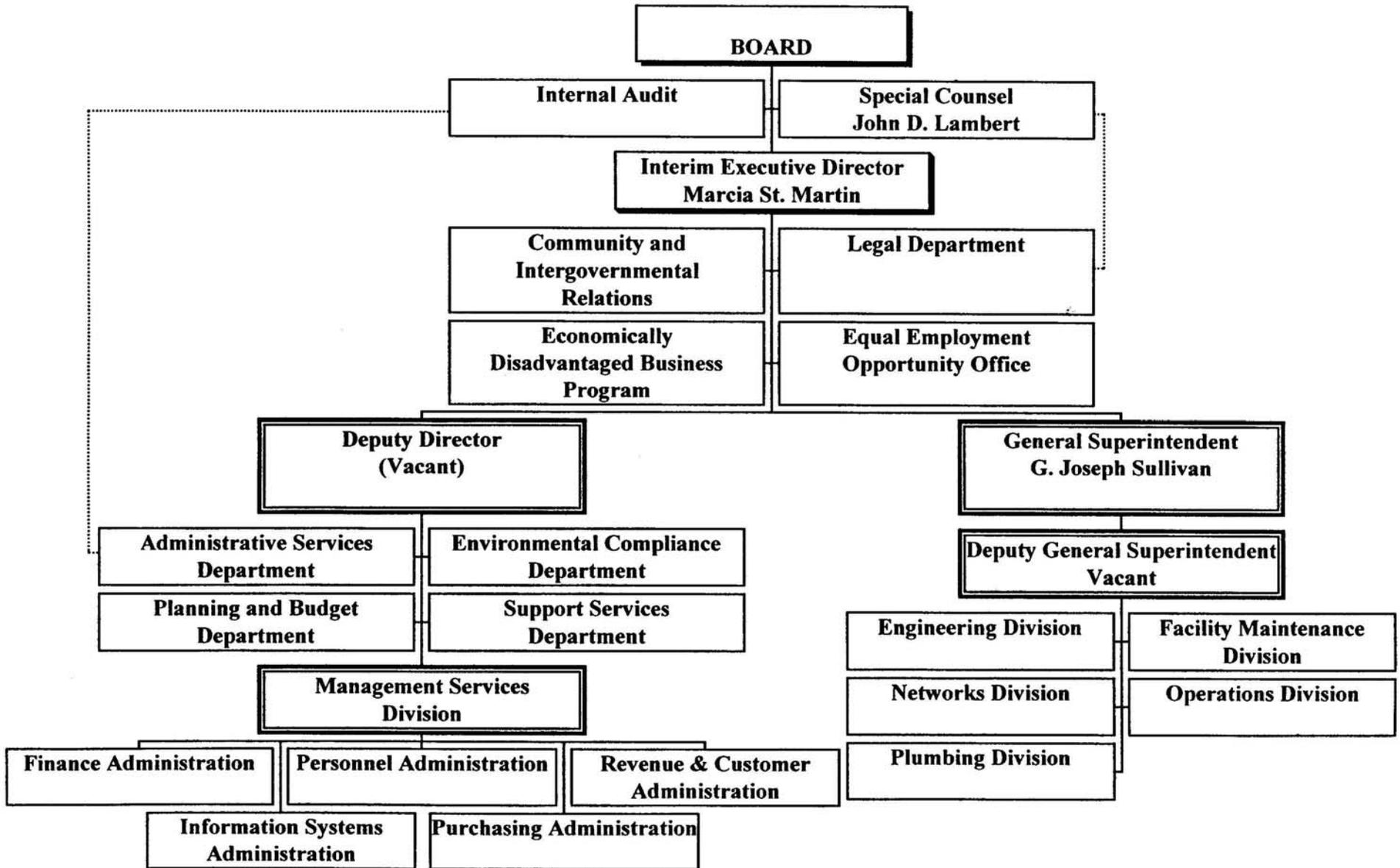
PLUMBING CONFERENCE COMMITTEE

WILLIAM F. GRACE JR.- Chairperson

JAMES J. ARONLD
RONNIE CROSBY
BENJAMIN L. EDWARDS, SR.

JAMES C. FINLEY
NORMA E. GRACE
BARBARA LAMONT
G. JOSEPH SULLIVAN

SEWERAGE AND WATER BOARD OF NEW ORLEANS 2003 ORGANIZATION CHART



THE SEWERAGE AND WATER BOARD OF NEW ORLEANS

DIVISION HEADS OF DEPUTY DIRECTOR

December 31, 2003

VACANT
DEPUTY DIRECTOR

ADMINISTRATIVE SERVICES DIVISION

Vacant

ENVIRONMENTAL AFFAIRS DIVISION

Gordon C. Austin

MANAGEMENT SERVICES DIVISION

Martin F. Comer, Jr.

PLANNING AND BUDGET DIVISION

Lawrence J. Federico, Jr.

SUPPORT SERVICES DIVISION

Howard E. Noland

THE SEWERAGE AND WATER BOARD OF NEW ORLEANS

DIVISION HEADS OF GENERAL SUPERINTENDENT

December 31, 2003

G. JOSEPH SULLIVAN
GENERAL SUPERINTENDENT

VACANT
DEPUTY GENERAL SUPERINTENDENT

ENGINEERING DIVISION

Rudolph S. St. Germain

FACILITY MAINTENANCE DIVISION

Glenn M. Semel

NETWORKS DIVISION

Eric M. Kelly

OPERATIONS DIVISION

John R. Huerkamp

PLUMBING DIVISION

James J. Arnold

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

December 31, 2003

MARTIN F. COMER, JR.
MANAGEMENT SERVICES DIRECTOR

FINANCE ADMINISTRATION

Ethel H. Williams

INFORMATION SYSTEMS ADMINISTRATION

Sue D. Mitchell

PERSONNEL ADMINISTRATION

Kevin F. Walsh

PURCHASING ADMINISTRATION

Willie M. Mingo Jr.

REVENUE AND CUSTOMER SERVICES ADMINISTRATION

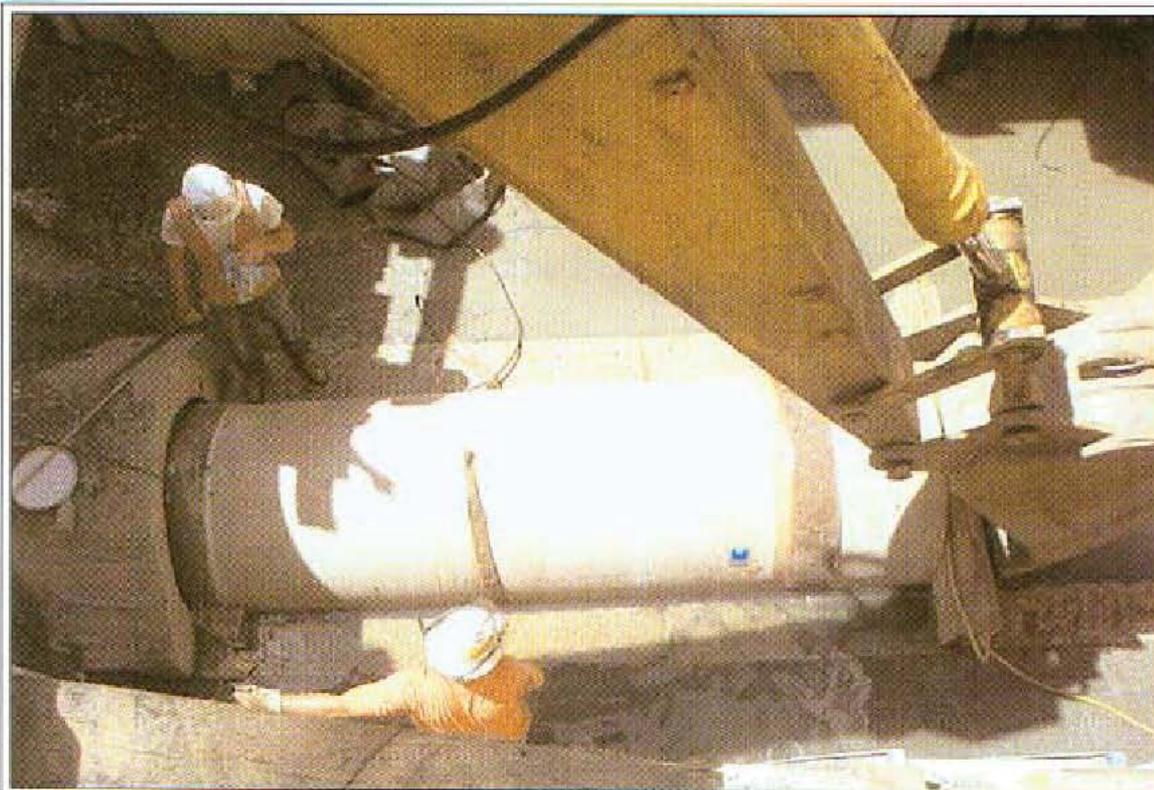
Jacqueline K. Shine

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Sewerage and Water Board customers can now pay their monthly bills by credit card or check via the internet by going to the Board's interactive web site: www.swbnola.org. Customer data is secure on the site. The Board offers many other convenient methods to pay bills.

The S&WB is rehabilitating the sewage collection system throughout the City by replacing or repairing aging pipes. Modern techniques like slip lining are being used to reduce excavation. Here, reinforced plastic mortar pipe is placed into an existing 48-inch diameter trunk sewer using the slip lining method.





Postlethwaite & Netterville

A Professional Accounting Corporation
Associated Offices in Principal Cities of the United States



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 as of and for the years ended December 31, 2003 and 2002, 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 *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 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 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 Sewerage and Water Board of New Orleans as of December 31, 2003 and 2002, 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.

The Management's Discussion and Analysis and the Schedules of Funding Progress and Employer Contributions as listed on the accompanying table of contents, are not a required part of the basic financial statements but are supplementary information required by the Governmental Accounting Standards Board. We have applied certain limited procedures, which consisted principally of inquiries of management regarding the methods of measurement and presentation of the supplementary information. However, we did not audit the information and express no opinion on it.

In accordance with *Government Auditing Standards*, we have also issued a report, dated April 9, 2004, on our consideration of the Board's internal control over financial reporting and our tests of its compliance with certain provisions of laws, regulations, contracts and grants. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* and should be read in conjunction with this report in considering the results of our audits.

Our audits were made for the purpose of forming an opinion on the 2003 and 2002 basic financial statements of the Board taken as a whole. The accompanying information included in Schedules 1 through 6 is presented for purposes of additional analysis and is not a required part of the basic financial statements. Such information has been subjected to the auditing procedures applied in the audits 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 Statistical Information and Supplemental Information sections as listed in the table of contents are also presented for purposes of additional analysis and are not a required part of the basic financial statements of the Board. Such additional information has not been subjected to the auditing procedures applied in the audit of the basic financial statements, and accordingly, we express no opinion on it.

Postlethwaite + Netterville *Bruno + Tessler LLP*

New Orleans, Louisiana
April 9, 2004

**Sewerage & Water Board of New Orleans
Management's Discussion and Analysis
Year Ended December 31, 2003**

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, 2003. Please read it in conjunction with the Board's financial statements, which follow this section.

FINANCIAL HIGHLIGHTS

Enterprise Fund

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

2003

- The Board's additions to its major systems approximated \$128 million.
- The SELA project which is a major upgrade to the drainage system by the Corps of Engineers continued during 2003; \$43.4 million of additions to work in progress were recorded during the year.
- The Board issued bond issues in November 2003 totaling \$117,300,000 including \$111,800,000 in short term bond anticipation notes; the proceeds of the issue are to be used to fund capital projects in the sewerage department.
- Capital contributions by others to finance construction of the Board's capital assets totaled \$53.1 million.

2002

- The Board's additions to its major systems totaled \$114.2 million.
- The SELA project which is a major upgrade to the drainage system by the Corps of Engineers continued during 2002; \$28,914,829 of additions to work in progress were recorded during the year.
- The Board issued three bond issues during 2002 totaling \$111,000,000; the proceeds of each issue are to be used to fund capital projects in the water, sewerage and drainage departments.
- Capital contributions by others to finance construction of the Board's capital assets totaled \$35.8 million.

Pension Trust Fund

2003

The major highlight in the Board's pension trust fund was the improved financial performance in the public securities market and the resulting appreciation of \$31.1 million in the market value of the investments held by the plan during 2003. The plan net assets available of benefits increased to \$184 million.

2002

The major highlight in the Board's pension trust fund was the continued weakness in the public securities market and the resulting depreciation of \$21.0 million in the market value of the investments held by the plan during 2002. The plan net assets available of benefits decreased to \$154 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 sections 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 Authority 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. The increase in the Board's net assets during 2003 and 2002 is an indicator of its positive financial health.

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

2003 Net Assets

The Board's total assets at December 31, 2003 reached approximately \$1.6 billion, a 12.8% increase over December 31, 2002 (see Table A-1).

Table A-1				
Sewerage & Water Board of New Orleans				
Net Assets				
	2003	2002	Increase (Decrease)	Increase (Decrease)
Current assets	\$ 30,779,898	\$ 28,650,463	\$ 2,129,435	7.4%
Restricted assets	350,711,343	268,643,569	82,067,774	30.5%
Property, plant and equipment - net	1,192,582,354	1,097,145,242	95,437,112	8.7%
Other assets	8,517,724	8,766,332	(248,608)	-2.8%
Total assets	\$ 1,582,591,319	\$ 1,403,205,606	\$ 179,385,713	12.8%
Current liabilities	\$ 184,377,170	\$ 71,643,566	\$ 112,733,604	157.4%
Long-term liabilities	260,657,353	264,347,671	(3,690,318)	-1.4%
Total liabilities	445,034,523	335,991,237	109,043,286	32.5%
Net assets:				
Invested in capital assets, net of related debt	1,041,213,409	967,763,496	73,449,913	7.6%
Restricted	96,343,387	99,450,873	(3,107,486)	-3.1%
Total net assets	1,137,556,796	1,067,214,369	70,342,427	6.6%
Total liabilities and net assets	\$ 1,582,591,319	\$ 1,403,205,606	\$ 179,385,713	12.8%

The increase in total assets of \$179.4 million resulted primarily from an \$82.1 million increase in restricted assets at December 31, 2003, including an \$86.3 million increase in construction funds on hand from bond issues during 2003, a \$6.3 million decrease in capital projects funds on hand at 2003. Property plant and equipment increased in 2003 by \$95 million due to \$130 million in construction funds expended less the annual provision for depreciation of \$35.5 million. Long-term liabilities increased by \$109.0 million in 2003 as compared to 2002 due primarily to the issuance of \$117.3 million in new bonds payable less normal payments of bonds payable existing at the beginning of the year.

2002 Net Assets

The Board's total assets at December 31, 2002 reached approximately \$1,403 million, a 12.3% increase over December 31, 2001 (see Table A-2).

Table A-2				
Sewerage & Water Board of New Orleans				
Net Assets				
	2002	2001	Increase (Decrease)	Increase (Decrease)
Current assets	\$ 28,650,463	\$ 29,563,959	\$ (913,496)	-3.1%
Restricted assets	268,643,569	193,093,779	75,549,790	39.1%
Property, plant and equipment - net	1,097,145,242	1,017,483,087	79,662,155	7.8%
Other assets	8,766,332	9,858,297	(1,091,965)	-11.1%
Total assets	\$ 1,403,205,606	\$ 1,249,999,122	\$ 153,206,484	12.3%
Current liabilities	\$ 71,643,566	\$ 68,409,198	\$ 3,234,368	4.7%
Long-term liabilities	264,347,671	161,167,429	103,180,242	64.0%
Total liabilities	335,991,237	229,576,627	106,414,610	46.4%
Net assets:				
Invested in capital assets, net of related debt	967,763,496	948,808,901	18,954,595	2.0%
Restricted	99,450,873	71,613,594	27,837,279	38.9%
Total net assets	1,067,214,369	1,020,422,495	46,791,874	4.6%
Total liabilities and net assets	\$ 1,403,205,606	\$ 1,249,999,122	\$ 153,206,484	12.3%

The increase in total assets of the Board resulted primarily from a \$75.5 million increase in restricted assets at December 31, 2002 which resulted from a \$46.6 million increase in construction funds on hand from bond issues during 2002, a \$22.9 million increase in capital projects funds on hand at 2002 which were generated through bonds of the Board and other minor changes. Property plant and equipment increased in 2002 by \$79.7 million due to \$114.2 million in construction funds expended less the annual provision for depreciation of \$34.5 million. Long-term liabilities increased by \$103.2 million in 2002 as compared to 2001 due primarily to the issuance of \$111.0 million in new bonds payable less normal payments on funds payable existing at the beginning of the year.

2003 Changes in Net Assets

The change in net assets for the year ended December 31, 2003 was approximately \$67.9 million or 45.1% more than the change in net assets for the year ended December 31, 2002. The Board's total operating revenues increased by 9.9% to approximately \$119.6 million, and total operating expenses increased 6.1% to approximately \$145.5 million. The changes in net assets are detailed in Table A-3; operating expenses are detailed in Table A-4.

	2003	2002	Increase (Decrease)	Increase (Decrease)
Operating revenues:				
Charges for services	\$ 117,542,168	\$ 107,087,709	\$ 10,454,459	9.8%
Other	2,095,805	1,814,951	280,854	15.5%
Total operating revenues	119,637,973	108,902,660	10,735,313	9.9%
Operating expenses (Table A-3)	145,543,882	137,137,210	8,406,672	6.1%
Operating loss	(25,905,909)	(28,234,550)	2,328,641	-8.2%
Non-operating revenues:				
Property taxes	38,943,504	36,831,327	2,112,177	5.7%
Other taxes	770,663	792,883	(22,220)	-4.0%
Investment income	1,031,593	1,616,307	(584,714)	-36.2%
Total non-operating revenues	40,745,760	39,240,517	1,505,243	3.8%
Income before capital contributions	14,839,851	11,005,967	3,833,884	34.8%
Capital contributions	53,054,656	35,785,907	17,268,749	48.3%
Change in net assets	67,894,507	46,791,874	21,102,633	45.1%
Net assets, beginning of year	1,067,214,369	1,014,427,375	52,786,994	5.2%
Net assets, end of year	\$ 1,135,108,876	\$ 1,061,219,249	\$ 73,889,627	7.0%

Operating revenues increased primarily as a result of an increase in charges for services due to a sewerage rate increase effective August, 2003 and water rate increase effective in July, 2002. The increases in revenue due to rates in sewerage and water revenues were partially offset by a decline in volume. Property taxes increased by \$2.1 million in 2003 due to an increase in assessed value.

Capital revenue from federal grants and construction of Board property by other agencies increased by 8.3% to \$53 million. Principal capital contributions relate to the U.S. Corps of Engineers' construction of major drainage system improvements.

Table A-4				
Sewerage & Water Board of New Orleans				
Operating Expenses				
	2003	2002	Increase (Decrease)	Increase (Decrease)
Power and pumping	\$ 19,339,095	\$ 16,255,368	\$ 3,083,727	19.0%
Treatment	17,075,547	15,515,582	1,559,965	10.1%
Transmission and distribution	20,324,308	18,233,083	2,091,225	11.5%
Customer accounts	2,513,486	2,384,744	128,742	5.4%
Customer service	2,821,025	2,731,763	89,262	3.3%
Administration and general	12,534,252	14,463,064	(1,928,812)	-13.3%
Payroll related	16,697,287	16,073,673	623,614	3.9%
Maintenance of general plant	10,563,936	10,020,846	543,090	5.4%
Depreciation	35,480,955	34,551,459	929,496	2.7%
Amortization	188,128	130,304	57,824	44.4%
Provision for doubtful accounts	1,884,751	1,842,958	41,793	2.3%
Provision for claims	3,673,192	4,934,366	(1,261,174)	-25.6%
Total operating expenses	\$ 143,095,962	\$ 137,137,210	\$ 5,958,752	4.3%

The increase of \$3.1 million or 19.0% in 2003 in power and pumping is primarily due to an increase in the price of natural gas purchased by the Board and in the price per kilowatt hour of purchased electricity as compared to 2002. The increase in 2003 of \$1.6 million in treatment expense as compared to 2002 is primarily a result of the increase in of the costs of treatment charged by the outsourced vendor of the East and West Bank facilities and the settlement of charges from the vendor which were in dispute. The increase of \$2.1 million in 2003 over 2002 in transmission and distribution expenses related to a \$1.0 increase in paving costs as well as other increase in network expenses. The decrease in general and administrative in 2003 resulted primarily from a refund of energy costs.

Provisions for claims decreased by \$1.3 million or 25.6% in 2003 as compared to 2002. Claims expense varies due to the number and severity of the claims during any period. The decrease is due primarily to a decrease in the number of large dollar claims in 2003 as compared to 2002.

2002 Changes in Net Assets

Net assets at December 31, 2002 were approximately \$46.8 million or 11.4% less than at December 31, 2001. The Board's total operating revenues increased by 5.0% to approximately \$108.9 million, and total operating expenses decreased 2.8% to approximately \$137.1 million. The changes in net assets are detailed in Table A-5; operating expenses are detailed in Table A-6.

	2002	2001	Increase (Decrease)	Increase (Decrease)
Operating revenues:				
Charges for services	\$ 107,087,709	\$ 101,387,729	\$ 5,699,980	5.6%
Other	1,814,951	2,349,046	(534,095)	-22.7%
Total operating revenues	108,902,660	103,736,775	5,165,885	5.0%
Operating expenses (Table A-3)	137,137,210	141,015,867	(3,878,657)	-2.8%
Operating loss	(28,234,550)	(37,279,092)	9,044,542	-24.3%
Non-operating revenues:				
Property taxes	36,831,327	38,032,608	(1,201,281)	-3.2%
Other taxes	792,883	785,640	7,243	-4.0%
Investment income	1,616,307	3,956,010	(2,339,703)	-59.1%
Total non-operating revenues	39,240,517	42,774,258	(3,533,741)	-8.3%
Income before capital contributions	11,005,967	5,495,166	5,510,801	100.3%
Capital contributions	35,785,907	47,291,828	(11,505,921)	-24.3%
Change in net assets	46,791,874	52,786,994	(5,995,120)	-11.4%
Net assets, beginning of year	1,020,422,495	967,635,501	52,786,994	5.5%
Net assets, end of year	\$ 1,067,214,369	\$ 1,020,422,495	\$ 46,791,874	4.6%

Operating revenues increased primarily as a result of an increase in charges for service due to a sewerage rate increase effective 2002 and water rate increase effective in July, 2001.

Capital revenue from federal grants and construction of Board property by other agencies decreased by 24.3% to \$35.8 million. Principal capital contributions relate to the U.S. Corps of Engineers' construction of major drainage system improvements.

	2002	2001	Increase (Decrease)	Increase (Decrease)
Power and pumping	\$ 16,255,368	\$ 19,886,007	\$ (3,630,639)	-18.3%
Treatment	15,515,582	15,749,585	(234,003)	-1.5%
Transmission and distribution	18,233,083	17,517,122	715,961	4.1%
Customer accounts	2,384,744	2,771,609	(386,865)	-14.0%
Customer service	2,731,763	2,687,794	43,969	1.6%
Administration and general	14,463,064	14,593,405	(130,341)	-0.9%
Payroll related	16,073,673	14,368,516	1,705,157	11.9%
Maintenance of general plant	10,020,846	9,824,994	195,852	2.0%
Depreciation	34,551,459	34,378,585	172,874	0.5%
Amortization	130,304	124,473	5,831	4.7%
Provision for doubtful accounts	1,842,958	1,661,267	181,691	10.9%
Provision for claims	4,934,366	7,452,510	(2,518,144)	-33.8%
Total operating expenses	\$ 137,137,210	\$ 141,015,867	\$ (3,878,657)	-2.8%

The decrease of \$3.6 million or 18.3% in 2002 in power and pumping is primarily due to a decrease in the price of natural gas purchased by the Board and in the price per kilowatt hour of purchased electricity as compared to 2001.

Payroll related expense increased by \$1.7 million or 11.9% due to the increased pension expense.

Provisions for claims decreased by \$2.5 million or 33.8% in 2002 as compared to 2001. Claims expense varies due to the number and severity of the claims during any period. The decrease is primarily due to a decrease in the number of large dollar claims in 2002 as compared to 2001.

PENSION TRUST FUND

2003 Plan Net Assets

The Board's total plan net assets of its pension trust fund at December 31, 2003 was approximately \$184 million, an 19.7% increase over December 31, 2002 (see table A-7). Total assets decreased 10.8% to \$156.1 million.

Table A-7				
Sewerage & Water Board of New Orleans				
Plan Net Assets				
	2003	2002	Increase (Decrease)	Increase (Decrease)
Cash	\$ 237,431	\$ 552,943	\$ (315,512)	-57.1%
Investments	186,283,692	154,481,539	31,802,153	20.6%
Other assets	874,735	1,114,019	(239,284)	-21.5%
Total assets	187,395,858	156,148,501	31,247,357	20.0%
Due to funds	-	200,000	(200,000)	100.0%
DROP participant payable	3,279,115	2,131,025	1,148,090	53.9%
Total liabilities	3,279,115	2,331,025	948,090	40.7%
Plan net assets	\$ 184,116,743	\$ 153,817,476	\$ 30,299,267	19.7%

Plan net assets increased by \$30 million in 2003 primarily due to realized and unrealized gains on investments recognized in 2003.

2002 Plan Net Assets

The Board's total plan net assets of its pension trust fund at December 31, 2002 was approximately \$153.8 million, an 11.3% decrease over December 31, 2001 (see table A-4). Total assets decreased 10.8% to \$156.1 million.

Table A-8				
Sewerage & Water Board of New Orleans				
Plan Net Assets				
	2002	2001	Increase (Decrease)	Increase (Decrease)
Cash	\$ 552,943	\$ 78,639	\$ 474,304	603.1%
Investments	154,481,539	173,695,292	(19,213,753)	-11.1%
Other assets	1,114,019	1,234,994	(120,975)	-9.8%
Total assets	156,148,501	175,008,925	(18,860,424)	-10.8%
Due to funds	200,000	-	200,000	100.0%
DROP participant payable	2,131,025	1,649,967	481,058	29.2%
Total liabilities	2,331,025	1,649,967	681,058	41.3%
Plan net assets	\$ 153,817,476	\$ 173,358,958	\$ (19,541,482)	-11.3%

Plan net assets decreased by \$19.5 or 11.3% in 2002 primarily due to realized and unrealized losses on investments recognized in 2002.

2003 Changes in Plan Net Assets

Table A-9				
Sewerage & Water Board of New Orleans				
Change in Plan Net Assets				
	2003	2002	Increase (Decrease)	Increase (Decrease)
Additions:				
Contributions	\$ 4,488,720	\$ 4,020,608	\$ 468,112	11.6%
Net loss on investments	36,078,814	(15,496,265)	51,575,079	-332.8%
Total additions	40,567,534	(11,475,657)	52,043,191	-453.5%
Deductions:				
Benefits	(8,590,242)	(6,827,949)	(1,762,293)	25.8%
Employee refunds	(202,565)	(220,932)	18,367	-8.3%
Employee DROP contributions	(1,475,460)	(1,016,944)	(458,516)	45.1%
Total deductions	(10,268,267)	(8,065,825)	(2,202,442)	27.3%
Change in net assets	30,299,267	(19,541,482)	49,840,749	-255.1%
Plan net assets, beginning of year	153,817,476	173,358,958	(19,541,482)	-11.3%
Plan net assets, end of year	\$ 184,116,743	\$ 153,817,476	\$ 30,299,267	19.7%

Contributions to the pension plan increased in 2003 as compared to 2002 primarily due to increased transfers from employees and City of New Orleans.

The increase in the change in plan net assets of \$30.3 million resulted from an a recovery of previous years' unrealized losses on investments as well as realized gains in 2003 of \$36.1 million, reduced by an increase in benefit expenses of \$2.3 million in 2003 as compared to 2002.

2002 Changes in Plan Net Assets

Plan net assets for the year ended December 31, 2002 decreased to approximately \$153.8 million or 11.3% over December 31, 2001 (see Table A-10).

	2002	2001	Increase (Decrease)	Increase (Decrease)
Additions:				
Contributions	\$ 4,020,608	\$ 6,458,532	\$ (2,437,924)	-37.7%
Net loss on investments	(15,496,265)	(1,709,327)	(13,786,938)	806.6%
Total additions	(11,475,657)	4,749,205	(16,224,862)	-341.6%
Deductions:				
Benefits	(6,827,949)	(6,634,821)	(193,128)	2.9%
Employee refunds	(220,932)	(290,494)	69,562	-23.9%
Employee DROP contributions	(1,016,944)	(1,034,682)	17,738	-1.7%
Total deductions	(8,065,825)	(7,959,997)	(105,828)	1.3%
Change in net assets	(19,541,482)	(3,210,792)	(16,330,690)	508.6%
Plan net assets, beginning of year	173,358,958	176,569,750	(3,210,792)	-1.8%
Plan net assets, end of year	\$ 153,817,476	\$ 173,358,958	\$ (19,541,482)	-11.3%

Contributions to the pension plan decreased in 2002 as compared to 2001 due to a reduction in the Board's contribution rate to the plan to 8% of covered payroll in 2002 from 16% of covered payroll in 2001.

The decrease in the change in plan net assets of \$19.5 million resulted from an increase in the net loss on investments of \$13.8 million reduced plan contributions of \$2.4 million and increased benefits of \$.2 million in 2002 as compared to 2001.

CAPITAL ASSET AND DEBT ADMINISTRATION

2003 Capital Assets

As of December 31, 2003, the Board had invested approximately \$1.7 billion in capital assets. Net of accumulated depreciation, the Board's net capital assets at December 31, 2003 totaled approximately \$1.2 billion. This amount represents a net increase (including additions and disposals, net of depreciation) of approximately \$95.4 million or 8.7% over December 31, 2002.

At December 31, 2003, the Board's budget for its five-year capital improvements program totaled \$1.6 billion including \$484,608,000 for water, \$528,756,000 for sewerage and \$586,568,000 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, 2003, the Board has committed or appropriated \$90,480,565 in investments for use in future capital projects and has

\$229,267,999 of bond proceeds remaining for construction. The capital project investments are included in restricted assets.

The capital improvements budget for 2004 is \$332,881,000, including \$97,606,000 in projects, which is to fund the federal grants and programs. The Board continues significant construction projects in its water, sewerage, and drainage systems as follows:

Southeast Louisiana Flood Control Program
Sewer System Sanitation Evaluation and Rehabilitation Program
Drainage Pumping Station #1
Eastbank Sewer Treatment Plant
Westbank Sewer Treatment Plant

2002 Capital Assets

As of December 31, 2002, the Board had invested approximately \$1.6 billion in capital assets. Net of accumulated depreciation, the Board's net capital assets at December 31, 2002 totaled approximately \$1.1 billions. This amount represents a net increase (including additions and disposals, net of depreciation) of approximately \$79.7 million or 7.8% over December 31, 2001. Detailed changes are provided in footnote 4 to the financial statements.

At December 31, 2002, the Board's budget for its five-year capital improvements program totaled \$1,196,903,000 including \$274,946,000 for water, \$406,219,000 for sewerage and \$515,738,000 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, 2002, the Board has committed or appropriated \$96,788,416 in investments for use in future capital projects and has \$132,983,127 of bond proceeds remaining for construction. The capital project investments are included in restricted assets.

The capital improvements budget for 2003 is \$268,299,000, including \$86,647,000 in projects, which is to fund the federal grants and programs. The Board continues significant construction projects in its water, sewerage, and drainage systems as follows:

Drainage Pumping Station #1
Southeast Louisiana Flood Control Program
Sewer System Sanitation Evaluation and Rehabilitation Program
Eastbank Sewer Treatment Plant
Westbank Sewer Treatment Plant

2003 Debt Administration

The Board continues to make its regularly scheduled payments on its bonds. During 2003, \$117,300,000 in new bonds were issued by the Board. Net proceeds of the bond issues are to be used for sewerage construction. During 2003, \$9,370,000 in principal payments were made.

All bond debt covenants have been met.

Additional detailed information relating to capital assets and debt is presented in the financial statements and related notes.

2002 Debt Administration

The Board continues to make its regularly scheduled payments on its bonds. During 2002, \$111,000,000 in new bonds were issued by the Board. Net proceeds of the bond issues are to be used for construction. During 2002, \$6,735,000 in principal payments were made.

All bond debt covenants have been met.

Additional detailed information relating to capital assets and debt is presented in the financial statements and related notes.

2003 ECONOMIC FACTORS AND RATES

The Board received authority to implement multiple year annual rate increases of 15% for 2003 and 2004 and 14% in 2005 and 2006.

2002 ECONOMIC FACTORS AND RATES

The Board continues to explore creative measures to reduce cost of service while improving customer services and care for the environment. During 2002 the Board raised potable water rates by 12%. The rate adjustment was the first since April 1990. Due to the compliance factors mandated by the 1998 consent decree, the Board recommended and received a 15% sewerage system rate adjustment in November 2002. The Board is requesting sewerage system rate adjustments of 15% in 2003, 15% in 2004, 14% in 2005 and, 14% in 2006. The Board is recommending a system of long-term municipal bonds and short-term bond anticipation notes. Due to market conditions, long-term interest rates remain favorable. The Board developed two pilot bottled water projects and is exploring the sale of bottled water. The Board continues to invest in upgrading its power production plant. Through the generation of power the Board has been able to deliver water and drainage services to its customers during periods when commercial power has been unavailable.

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.

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BASIC FINANCIAL STATEMENTS

SEWERAGE AND WATER BOARD OF NEW ORLEANS

STATEMENTS OF NET ASSETS

December 31, 2003 and 2002

ASSETS	<u>2003</u>	<u>2002</u>
Property, plant and equipment	\$ 1,704,811,274	\$ 1,576,704,951
Less: accumulated depreciation	512,228,920	479,559,709
Property, plant and equipment, net	<u>1,192,582,354</u>	<u>1,097,145,242</u>
Restricted assets:		
Capital projects	90,480,565	96,788,416
Construction funds	219,267,999	132,983,127
Debt service reserve	19,824,037	19,424,365
Customer deposits	5,186,628	5,137,096
Health insurance reserve	9,000,000	9,000,000
Debt service	6,740,114	5,098,565
Other	212,000	212,000
Total restricted assets	<u>350,711,343</u>	<u>268,643,569</u>
Current assets:		
Cash	1,405,154	4,387,750
Accounts receivable:		
Customers (net of allowance for doubtful accounts)	12,285,642	10,795,677
Taxes	4,831,236	3,943,592
Interest	193,415	242,225
Grants	1,005,845	965,551
Miscellaneous	2,343,678	815,444
Due from City of New Orleans, current	200,000	200,000
Due from other fund	-	200,000
Inventory of supplies	7,901,406	6,570,193
Prepaid expenses	613,522	530,031
Total current assets	<u>30,779,898</u>	<u>28,650,463</u>
Due from City of New Orleans, less current portion	<u>673,228</u>	<u>790,428</u>
Other assets:		
Bond issue costs	1,662,463	1,593,034
Deposits	51,315	51,315
Net pension asset	6,130,718	6,331,555
Total other assets	<u>7,844,496</u>	<u>7,975,904</u>
Total assets	<u>\$ 1,582,591,319</u>	<u>\$ 1,403,205,606</u>

(Continued)

SEWERAGE AND WATER BOARD OF NEW ORLEANS

STATEMENTS OF NET ASSETS
(Continued)

NET ASSETS AND LIABILITIES	2003	2002
Net Assets:		
Invested in capital assets - net of related debt	\$ 1,041,213,409	\$ 967,763,496
Restricted For:		
Debt service	25,349,292	23,291,960
Capital projects	70,994,095	76,158,913
Total restricted for net assets	96,343,387	99,450,873
Total net assets	1,137,556,796	1,067,214,369
Liabilities:		
Long-term liabilities:		
Claims payable	11,628,462	11,352,798
Bonds payable (net of current maturities)	249,028,891	252,994,873
	260,657,353	264,347,671
Current liabilities (payable from current assets):		
Accounts payable	18,322,885	14,485,982
Due to City of New Orleans	205,928	25,658
Retainers and estimates payable	458,465	923,058
Due to pension trust fund	34,458	79,998
Accrued salaries	378,954	1,341,891
Accrued vacation and sick pay	9,829,380	9,621,649
Claims payable	23,233,111	26,305,507
Other liabilities	11,570	5,756
	52,474,751	52,789,499
Current liabilities (payable from restricted assets):		
Accrued interest	1,214,859	1,294,598
Bonds payable	121,608,053	9,370,000
Retainers and estimates payable	3,892,879	3,052,373
Customer deposits	5,186,628	5,137,096
	131,902,419	18,854,067
Total current liabilities	184,377,170	71,643,566
Total liabilities	445,034,523	335,991,237
Total net assets and liabilities	\$ 1,582,591,319	\$ 1,403,205,606

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, 2003 and 2002

	2003	2002
Operating revenues:		
Sales of water and delinquent fees	\$ 54,997,831	\$ 53,413,048
Sewerage service charges	62,328,695	53,455,291
Plumbing inspection and license fees	215,642	219,370
Other revenue	2,095,805	1,814,951
Total revenues	119,637,973	108,902,660
Operating Expenses:		
Power and pumping	19,339,095	16,255,368
Treatment	17,075,547	15,515,582
Transmission and distribution	20,324,308	18,233,083
Customer accounts	2,513,486	2,384,744
Customer service	2,821,025	2,731,763
Administration and general	12,534,252	14,463,064
Payroll related	16,697,287	16,073,673
Maintenance of general plant	10,563,936	10,020,846
Depreciation	35,480,955	34,551,459
Amortization	188,128	130,304
Provision for doubtful accounts	1,884,751	1,842,958
Provision for claims	3,673,192	4,934,366
Total operating expenses	143,095,962	137,137,210
Operating loss	(23,457,989)	(28,234,550)
Non-operating revenues:		
Two-mill tax	7,423	5,058
Three-mill tax	11,031,057	10,312,636
Six-mill tax	11,169,139	10,567,048
Nine-mill tax	16,735,885	15,946,585
Other taxes	770,663	792,883
Investment income	1,031,593	1,616,307
Total non-operating revenues	40,745,760	39,240,517
Income before capital contributions	17,287,771	11,005,967
Capital contributions	53,054,656	35,785,907
Change in net assets	70,342,427	46,791,874
Net assets:		
Beginning of year	1,067,214,369	1,020,422,495
End of year	\$ 1,137,556,796	\$ 1,067,214,369

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, 2003 and 2002

	<u>2003</u>	<u>2002</u>
Cash flows from operating activities		
Cash received from customers	\$ 114,132,080	\$ 105,557,358
Cash payments to suppliers for goods and services	(53,684,252)	(53,224,728)
Cash payments to employees for services	(52,509,304)	(46,664,094)
Other revenue	783,213	2,464,554
Net cash provided by operating activities	<u>8,721,737</u>	<u>8,133,090</u>
Cash flows from noncapital financing activities - proceeds from property taxes	<u>38,826,523</u>	<u>39,072,493</u>
Cash flows from capital and related financing activities		
Acquisition and construction of capital assets	(119,965,622)	(107,319,128)
Proceeds of bond issue	117,977,602	114,079,873
Bond issuance costs	(257,557)	(649,797)
Principal payments on bonds payable	(9,370,000)	(6,735,000)
Interest paid on bonds payable	(13,047,991)	(7,683,728)
Capital contributed by developers and federal grants	53,014,362	35,034,885
Net cash provided by capital and related financing activities	<u>28,350,794</u>	<u>26,727,105</u>
Cash flows from investing activities		
Payments for purchase of investments	(762,346,797)	(472,959,848)
Proceeds from maturities of investments	738,653,576	450,168,616
Investment income	3,136,592	3,498,792
Net cash used in investing activities	<u>(20,556,629)</u>	<u>(19,292,440)</u>
Net increase in cash	55,342,425	54,640,248
Cash at the beginning of the year	<u>57,928,351</u>	<u>3,288,103</u>
Cash at the end of the year	<u>\$ 113,270,776</u>	<u>\$ 57,928,351</u>

(Continued)

SEWERAGE AND WATER BOARD OF NEW ORLEANS

STATEMENTS OF CASH FLOWS

(Continued)

ENTERPRISE FUND

For the years ended December 31, 2003 and 2002

	<u>2003</u>	<u>2002</u>
Reconciliation of cash and restricted cash (note 2)		
Current assets - cash	\$ 1,405,154	\$ 4,387,750
Restricted assets -cash	<u>111,865,622</u>	<u>53,540,601</u>
Total cash	<u>\$ 113,270,776</u>	<u>\$ 57,928,351</u>
Reconciliation of operating loss to net cash provided by operating activities is as follows:		
Operating loss	\$ (23,457,989)	\$ (28,234,550)
Adjustments to reconcile net operating loss to net cash provided by operating activities:		
Depreciation	35,480,955	34,551,459
Provision for claims	3,673,192	4,934,366
Provision for doubtful accounts	1,884,751	1,842,958
Amortization	188,128	130,304
Change in operating assets and liabilities:		
Increase in customer and other receivable	(3,374,716)	(766,612)
(Increase) decrease in inventory	(1,331,213)	298,872
Increase (decrease) in prepaid expenses and other receivables	(1,294,525)	142,325
Decrease in net pension asset	200,837	1,503,300
Increase (decrease) in accounts payable	3,836,903	(2,987,024)
Decrease in accrued salaries, due to pension and accrued vacation and sick pay	(800,746)	(8,316)
Decrease in other liabilities	<u>(6,283,840)</u>	<u>(3,273,992)</u>
Net cash provided by operating activities	<u>\$ 8,721,737</u>	<u>\$ 8,133,090</u>

Noncash investing, capital and financing activities:

The acquisition and construction of capital assets and capital contributed by developers and federal grants do not include non-cash amounts resulting from the construction by the U.S. Corps of Engineers of \$43,409,115 and \$28,914,829 in drainage projects during the years ended December 31, 2003 and 2002, respectively.

See accompanying notes to financial statements.

SEWERAGE AND WATER BOARD OF NEW ORLEANS

STATEMENTS OF PLAN NET ASSETS

PENSION TRUST FUND

December 31, 2003 and 2002

	<u>2003</u>	<u>2002</u>
Assets:		
Cash	\$ 237,431	\$ 552,943
Receivables:		
Investment income	827,861	994,052
Employee contributions receivable	12,417	39,969
Due from other fund	34,458	79,998
Investments	<u>186,283,691</u>	<u>154,481,539</u>
Total assets	<u>187,395,858</u>	<u>156,148,501</u>
Liabilities:		
Due to other fund	-	200,000
DROP participants payable	<u>3,279,115</u>	<u>2,131,025</u>
Total liabilities	<u>3,279,115</u>	<u>2,331,025</u>
Plan net assets available for pension benefits	<u>\$ 184,116,743</u>	<u>\$ 153,817,476</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, 2003 and 2002

	<u>2003</u>	<u>2002</u>
Additions:		
Contributions:		
Employee contributions	\$ 1,097,183	\$ 1,089,543
Employer contributions	2,694,633	2,147,449
City annuity and other transfers in	696,904	783,616
Total contributions	<u>4,488,720</u>	<u>4,020,608</u>
Investment income:		
Interest income	3,406,466	4,091,097
Dividend income	1,691,132	1,556,648
Net appreciation (depreciation)	31,211,175	(20,963,455)
	<u>36,308,773</u>	<u>(15,315,710)</u>
Less investment expense	<u>(229,959)</u>	<u>(180,555)</u>
Net investment income	<u>36,078,814</u>	<u>(15,496,265)</u>
Total additions	<u>40,567,534</u>	<u>(11,475,657)</u>
Deductions:		
Benefits	(8,590,242)	(6,827,949)
Employee refunds	(202,565)	(220,932)
Employee contributions to DROP	(1,475,460)	(1,016,944)
Total deductions	<u>(10,268,267)</u>	<u>(8,065,825)</u>
Change in plan net assets	30,299,267	(19,541,482)
Plan net assets at beginning of year	<u>153,817,476</u>	<u>173,358,958</u>
Plan net assets at end of year	<u>\$ 184,116,743</u>	<u>\$ 153,817,476</u>

See accompanying notes to financial statements.

**NOTES TO BASIC
FINANCIAL STATEMENTS**

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SEWERAGE AND WATER BOARD OF NEW ORLEANS

NOTES TO FINANCIAL STATEMENTS

(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 (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. 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 Councilmembers-at-Large, and one District Councilmember 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:

- (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.

SEWERAGE AND WATER BOARD OF NEW ORLEANS

NOTES TO FINANCIAL STATEMENTS

(Continued)

(1) Summary of Significant Accounting Policies (continued)

- (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; the Board considers itself a stand-alone entity and not includable in the City's report.

(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:

(1) Summary of Significant Accounting Policies (continued)

SEWERAGE AND WATER BOARD OF NEW ORLEANS

NOTES TO FINANCIAL STATEMENTS (Continued)

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 expandable for their purposes. The Board utilizes available restricted assets before utilizing unrestricted 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 non-operating items.

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

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.

- (1) Summary of Significant Accounting Policies (continued)

SEWERAGE AND WATER BOARD OF NEW ORLEANS

NOTES TO FINANCIAL STATEMENTS

(Continued)

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 fixed assets are recorded at their estimated fair value at the date of donation.

Interest is capitalized on fixed assets 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.

(1) Summary of Significant Accounting Policies (continued)

(G) Vacation and Sick Pay

SEWERAGE AND WATER BOARD OF NEW ORLEANS

NOTES TO FINANCIAL STATEMENTS
(Continued)

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, 2003 and 2002 is approximately \$12,625,000 and \$12,484,000, respectively. The amount included in the statements of net assets as of December 31, 2003 and 2002 is 9,829,380 and \$9,621,649, 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.

(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

(1) Summary of Significant Accounting Policies (continued)

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.

SEWERAGE AND WATER BOARD OF NEW ORLEANS

NOTES TO FINANCIAL STATEMENTS
(Continued)

(J) Self-Insurance/Risk Management

The Board is self-insured for general liability, worker's 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 a 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.

(2) Cash and Investments

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

	<u>Unrestricted</u>	<u>Restricted</u>	<u>Total</u>
<u>2003</u>			
Enterprise Fund:			
Cash and money market funds	\$ 1,405,154	\$ 111,865,622	\$ 113,270,776
Certificates of deposit	-	121,330,119	121,330,119
	1,405,154	233,195,741	234,600,895
Investments	-	117,515,602	117,515,602
	\$ 1,405,154	\$ 350,711,343	\$ 352,116,497

SEWERAGE AND WATER BOARD OF NEW ORLEANS

NOTES TO FINANCIAL STATEMENTS
(Continued)

(2) Cash and Investments (continued)

2002

Enterprise Fund:

Cash	\$	4,387,750	\$	53,540,601	\$	57,928,351
Certificates of deposit		-		113,635,187		113,635,187
		<u>4,387,750</u>		<u>167,175,788</u>		<u>171,563,538</u>
Investments		-		101,467,781		101,467,781
	\$	<u><u>4,387,750</u></u>	\$	<u><u>268,643,569</u></u>	\$	<u><u>273,031,319</u></u>

The composition and carrying value of investments is as follows:

	<u>2003</u>	<u>2002</u>	<u>Category</u>
Enterprise Fund:			
LAMP	\$ 8,250,000	\$ -	-
U.S. Government Securities and Instrumentalities	<u>109,265,601</u>	<u>101,467,781</u>	2
	<u>\$ 117,515,601</u>	<u>\$ 101,467,781</u>	2
Pension Trust Fund:			
Money Market	\$ 3,391,597	\$ 9,670,116	-
Corporate Bonds	43,689,666	45,278,455	2
U.S. Government Securities and Instrumentalities	22,913,536	32,933,600	2
Foreign Obligations	-	-	2
Equities	<u>114,454,395</u>	<u>66,599,368</u>	2
	<u>\$ 184,449,194</u>	<u>\$ 154,481,539</u>	

Cash and Certificates of Deposit - At December 31, 2003, the bank balances of the Board's cash totaled \$6,078,562, money market funds held by an agent totaled \$111,865,622, and certificates of deposit totaled \$121,330,119. Statutes require that the Board's cash and certificates of deposit be covered by federal depository insurance or collateral. Of the cash bank balance at December 31, 2003, \$800,000 is covered by federal depository insurance. At December 31, 2002, the bank balances of the Board's cash totaled \$5,803,065, money market funds held by an agent totaled \$53,540,601, and certificates of deposit totaled \$113,635,187. Of the cash bank balance at December 31, 2002, \$604,702 is covered by federal depository insurance. The remaining amount of the Board's cash bank balances and all certificates of deposit for 2003 and 2002 were covered by collateral held by custodial agents of the financial institutions in the name of the Board. Money market funds held by the Board's agent were not collateralized and/or insured as of December 31, 2003 or 2002.

SEWERAGE AND WATER BOARD OF NEW ORLEANS

NOTES TO FINANCIAL STATEMENTS
(Continued)

(2) Cash and Investments (continued)

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, bankers' acceptances and repurchase agreements. 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.

The Board's investments at December 31, 2003 and 2002 are categorized above to give an indication of the level of risk assumed by the Board at year-end. Category 1 includes investments that are insured or registered or securities which are held by the Board or its agents in the Board's name. Category 2 includes uninsured and unregistered investments with the securities held by the counterparty's trust department or agent in the Board's name. Category 3 includes uninsured and unregistered investments where the securities are held by the counterparty or by its trust department or agent but not in the Board's name.

LAMP represents those assets held in the Louisiana Asset Management Pool (LAMP), a local government investment pool which is not categorized under GASB Codification Section I50.164 because the investment is in a pooled fund and thereby not evidenced by securities that exist in physical or book entry form. LAMP, a local government investment pool, is administered by LAMP, Inc., a non-profit corporation organized under the laws of the State of Louisiana, which was formed by an initiative of the State Treasurer in 1993. While LAMP is not required to be a registered investment company under the Investment Company Act of 1940, its investment policies are similar to those established by Rule 2-a7, which governs registered money market funds. 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. 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. 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 designed to be highly liquid to provide immediate access to participants.

Under the provisions of its benefit plan and state law, the Board's pension benefit trust engages in securities leading 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% 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, 2003 and 2002. The value of securities lent at December 31, 2003 and 2002 was \$37,580,000 and \$20,076,000. The market value of the cash collateral at December 31, 2003 and 2002 was \$38,308,000 and \$20,669,000. All securities lent were classified as Category 2 custodial risk.

SEWERAGE AND WATER BOARD OF NEW ORLEANS

NOTES TO FINANCIAL STATEMENTS
(Continued)

(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, 2003 and 2002 was \$28,443,387 and \$28,886,538, respectively; such amounts exclude overtime and standby payroll. Total payroll, including overtime and standby payroll, was \$37,464,206 and \$34,997,924 for the years ended December 31, 2003 and 2002, respectively. At December 31, the PTF membership consisted of:

	2003	2002
Retirees and beneficiaries currently receiving benefits and terminated employees entitled to benefits but not yet receiving them	648	598
Current employees:		
Vested	932	993
Nonvested	177	131
	1,109	1,124
Total	1,757	1,722

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.

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.

SEWERAGE AND WATER BOARD OF NEW ORLEANS

NOTES TO FINANCIAL STATEMENTS
(Continued)

(3) Defined Benefit Pension Plan (continued)

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, 2003 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.

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

	2003	2002
Annual required contribution	\$ 3,193,339	\$ 3,190,707
Interest on net pension obligation	(469,757)	(548,440)
Adjustments to annual required contribution	998,381	1,088,480
Annual pension cost	3,721,963	3,730,747
Contributions made	3,141,857	2,227,447
(Increase) decrease in net pension asset	580,106	1,503,300
Change in estimate	(780,943)	-
Net pension asset, beginning of year	6,331,555	7,834,855
Net pension asset, end of year	\$ 6,130,718	\$ 6,331,555

The net pension asset is being amortized over 10 years as of December 31, 2003, using the level dollar closed method and using the same interest, salary increase and inflation factors as the plan.

(3) Defined Benefit Pension Plan (continued)

SEWERAGE AND WATER BOARD OF NEW ORLEANS

NOTES TO FINANCIAL STATEMENTS
(Continued)

Trend information for Board and employee contributions is as follows:

	Annual Pension Cost (APC)	Percentage of APC Contributed	Net Pension Asset
Fiscal year ending:			
December 31, 2003	\$ 3,721,963	91%	\$ 6,130,718
December 31, 2002	\$ 3,730,747	78%	\$ 6,331,555
December 31, 2001	\$ 2,861,479	195%	\$ 7,834,855

The actuarially determined contribution requirement for the Board was 15.76 percent through 2001 and 8% through 2003; the requirement for employees is 4.0 percent. The actual Board's and employees' contributions (including contributions for transferred employees from other pension plans) for years ended December 31 were as follows:

	2003	2002
Employer and other transfers	\$ 3,391,537	\$ 2,931,065
Employee	1,097,183	1,089,543
Total Contributions	<u>\$ 4,488,720</u>	<u>\$ 4,020,608</u>

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, 2003 and 2002, 75 and 56 employees, respectively, participated in the plan. The amount of plan assets segregated for these individuals was \$3,279,115 and \$2,131,025 as of December 31, 2003 and 2002, 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:

Pumping station buildings	57 years
Pumping station machinery	40 years
Canals and subsurface drains	75 to 100 years
Power transmission	50 years
General plan items	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:

	2003			
	Beginning Balance	Additions	Deletions	Ending Balance
Real estate rights, non depreciable	\$ 8,572,900	\$ -	\$ -	\$ 8,572,900
Power and pumping stations - buildings	198,880,455	50,818,318	-	249,698,773
Power and pumping stations - machinery	228,906,430	23,862	-	228,930,292
Distribution systems	118,959,822	60,404	(223,983)	118,796,243
Sewerage collection	164,577,652	122,002	(2,172,800)	162,526,854
Canals and subsurface drainage	211,454,648	79,076,538	-	290,531,186
Treatment plants	112,975,457	-	-	112,975,457
Connections and meters	41,527,407	161,210	(220,175)	41,468,442
Power transmission	25,584,083	-	-	25,584,083
General plant	188,695,501	1,069,955	(194,788)	189,570,668
General buildings	9,277,437	-	-	9,277,437
Total property, plant and equipment in service	1,309,411,792	131,332,289	(2,811,746)	1,437,932,335
Construction in progress	267,293,159	130,918,069	(131,332,289)	266,878,939
Total property, plant and Total	1,576,704,951	262,250,358	(134,144,035)	1,704,811,274
Accumulated depreciation	479,559,709	35,480,955	(2,811,744)	512,228,920
Net	\$ 1,097,145,242	\$ 226,769,403	\$ (131,332,291)	\$ 1,192,582,354

	2002			
	Beginning Balance	Additions	Deletions	Ending Balance
Real estate rights, non depreciable	\$ 8,572,900	\$ -	\$ -	\$ 8,572,900
Power and pumping stations - buildings	192,245,612	6,634,843	-	198,880,455
Power and pumping stations - machinery	228,888,362	18,068	-	228,906,430
Distribution systems	118,926,916	84,077	(51,171)	118,959,822
Sewerage collection	166,129,147	-	(1,551,495)	164,577,652
Canals and subsurface drainage	211,453,485	1,163	-	211,454,648
Treatment plants	112,967,536	7,921	-	112,975,457
Connections and meters	40,451,522	1,562,240	(486,355)	41,527,407
Power transmission	25,584,083	-	-	25,584,083
General plant	188,629,150	331,531	(265,224)	188,695,457
General buildings	9,277,481	-	-	9,277,481
Total property, plant and equipment in service	1,303,126,194	8,639,843	(2,354,245)	1,309,411,792
Construction in progress	161,719,432	114,213,570	(8,639,843)	267,293,159
Total property, plant and Total	1,464,845,626	122,853,413	(10,994,088)	1,576,704,951
Accumulated depreciation	447,362,539	34,551,415	(2,354,245)	479,559,709
Net	\$ 1,017,483,087	\$ 88,301,998	\$ (8,639,843)	\$ 1,097,145,242

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:

	2003	2002
Interest income	\$ 2,056,189	\$ 1,636,322
Interest expense	(12,632,721)	(8,276,648)
Net interest capitalized	<u>\$ (10,576,532)</u>	<u>\$ (6,640,326)</u>

(5) Customer Receivables

Customer receivables as of December 31 consist of the following:

		Customer Accounts	Allowance for Doubtful Accounts	Net
2003	Water	\$ 9,332,967	\$ 2,940,999	\$ 6,391,968
	Sewer	<u>8,241,557</u>	<u>2,347,883</u>	<u>5,893,674</u>
		<u>\$ 17,574,524</u>	<u>\$ 5,288,882</u>	<u>\$ 12,285,642</u>
2002	Water	\$ 9,006,727	\$ 2,704,386	\$ 6,302,341
	Sewer	<u>6,445,204</u>	<u>1,951,868</u>	<u>4,493,336</u>
		<u>\$ 15,451,931</u>	<u>\$ 4,656,254</u>	<u>\$ 10,795,677</u>

(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, 2003 and 2002, \$873,228 and \$990,428, respectively, was due from the City of New Orleans.

SEWERAGE AND WATER BOARD OF NEW ORLEANS

NOTES TO FINANCIAL STATEMENTS
(Continued)

(7) Bonds Payable

Bonds payable consisted of the following as of December 31:

	<u>Principal Balances</u>	
	<u>2003</u>	<u>2002</u>
7.00% water revenue bonds, series 1986 (initial average interest cost 6.73%), final payment in December, 2003	\$ -	\$ 500,000
5.15% drainage system bonds, series 1994 (average interest cost 5.06%), final payment in November, 2003	-	1,140,000
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	24,335,000	25,435,000
4.125% to 6.125% water revenue bonds, series 1998 (initial average interest cost 4.82%), due in annual principal final payment due final payment due \$625,000 to \$1,220,000; final payment due December 1, 2018	13,475,000	14,080,000
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	21,050,000	22,000,000
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	8,320,000	8,690,000
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	24,480,000	25,300,000
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	18,710,000	19,350,000
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	30,690,000	31,790,000

(7) Bonds Payable (continued)

SEWERAGE AND WATER BOARD OF NEW ORLEANS

NOTES TO FINANCIAL STATEMENTS
(Continued)

	Principal Balances	
	2003	2002
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.	\$ 55,365,000	\$ 57,000,000
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.	34,000,000	34,000,000
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.	19,490,000	20,000,000
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.	5,500,000	-
2.00% sewerage service bond anticipation notes, series 2003 (initial average interest cost 1.077%); due in one principal installment of \$111,800,000 due June 1, 2023.	111,800,000	-
	367,215,000	259,285,000
Plus bond premiums	3,421,944	3,079,873
Total	370,636,944	262,364,873
Less current maturities	121,608,053	9,370,000
Bond payable, long-term	\$ 249,028,891	\$ 252,994,873

The changes in long-term debt were as follows:

	2003	2002
Balance, beginning of year	\$ 259,285,000	\$ 155,020,000
Issuances	117,300,000	111,000,000
Payments	(9,370,000)	(6,735,000)
Balance, end of year	\$ 367,215,000	\$ 259,285,000

SEWERAGE AND WATER BOARD OF NEW ORLEANS

NOTES TO FINANCIAL STATEMENTS
(Continued)

(7) Bonds Payable (continued)

The annual requirements to amortize all bonds payable as of December 31, 2003, are as follows:

<u>Year</u>	<u>Principal</u>	<u>Interest</u>	<u>Total</u>
2004	\$ 121,015,000	\$ 13,931,208	\$ 134,946,208
2005	9,755,000	11,977,356	21,732,356
2006	10,275,000	11,471,398	21,746,398
2007	10,825,000	10,972,008	21,797,008
2008	11,400,000	10,454,220	21,854,220
2009-2013	66,415,000	43,539,216	109,954,216
2014-2018	82,700,000	24,669,036	107,369,036
2019-2023	<u>54,830,000</u>	<u>5,625,356</u>	<u>60,455,356</u>
Total	\$ <u>367,215,000</u>	\$ <u>132,639,798</u>	\$ <u>499,854,798</u>

The amount of revenue bonds and tax bonds payable as of December 31, 2003, are as follows:

<u>Year</u>	<u>Revenue Bonds</u>	<u>Tax Bonds</u>	<u>Total</u>
2004	\$ 120,090,000	\$ 925,000	\$ 121,015,000
2005	8,790,000	965,000	9,755,000
2006	9,260,000	1,015,000	10,275,000
2007	9,755,000	1,070,000	10,825,000
2008	10,275,000	1,125,000	11,400,000
2009-2013	59,910,000	6,505,000	66,415,000
2014-2018	74,535,000	8,165,000	82,700,000
2019-2023	<u>46,790,000</u>	<u>8,040,000</u>	<u>54,830,000</u>
Total	\$ <u>339,405,000</u>	\$ <u>27,810,000</u>	\$ <u>367,215,000</u>

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 \$5,165,778 and \$2,234,935 at December 31, 2003 and 2002, respectively; the accumulated balance at December 31, 2003 and 2002 was \$6,740,114 and \$5,098,565, respectively.

(7) Bonds Payable (continued)

SEWERAGE AND WATER BOARD OF NEW ORLEANS

NOTES TO FINANCIAL STATEMENTS

(Continued)

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 and sewer 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 required amount to be accumulated in this fund was \$19,824,037 and \$19,424,365 at December 31, 2003 and 2002, respectively; the accumulated balance at December 31, 2003 and 2002 was \$19,824,037 and \$19,424,365, respectively.

The net operating revenues of the Water Department and the Sewerage Department of the Board for the year ended December 31, 2003 were adequate to meet the bond indenture required debt service coverage of 130 percent. The Board is in compliance with the requirements of its long-term debt agreements at December 31, 2003.

The statutory limit of tax bonds at December 31, 2002, is \$86,000,000 providing a debt margin for tax bonds of \$56,170,000. In 2003, the statutes were revised and there is no longer a statutory limit on tax bonds.

(8) Bond Refinancing

In August 1986, the Board defeased water and sewer bonds. The amount of defeased water revenue bonds remaining outstanding as of December 31, 2002 was \$420,000. There are no defeased water revenue bonds outstanding as of December 31, 2003.

(9) Due to City of New Orleans

The Board bills and collects sanitation charges on behalf of the City of New Orleans (City). The Board is not liable for any uncollected sanitation charges. The amount due the City for sanitation fees collected was \$205,928 and \$25,658 at December 31, 2003 and 2002, respectively.

(10) 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 2003 was \$1,812,561,256. The combined tax rate dedicated for the Board for the years ended December 31, 2003 and 2002 was \$22.59 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).

(11) Commitments

SEWERAGE AND WATER BOARD OF NEW ORLEANS

NOTES TO FINANCIAL STATEMENTS
(Continued)

a. Capital Improvements

At December 31, 2003, the Board's budget for its five year capital improvements program totaled \$1,599,932,000 including \$484,608,000 for water, \$528,756,000 for sewerage and \$586,568,000 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, 2003, the Board has committed or appropriated \$90,480,565 in investments for use in future capital projects and has \$219,267,999 of bond proceeds remaining for construction. The capital project investments are included in restricted assets.

The capital improvements budget for 2004 is \$332,888,000, including \$97,606,000 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, 2003 include the following:

Southeast Louisiana Flood Control Program
Sewer System Sanitation Evaluation and Rehabilitation Program
Drainage Pumping Station #1
Eastbank Sewer Treatment Plant
Westbank Sewer Treatment Plant

b. Self-insurance

The Board is self-insured for general liability, worker's 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 2003 and 2002 amounted to \$1,058,580 and \$1,070,514, respectively.

Worker's compensation expense provision for 2003 and 2002 amounted to \$2,614,612 and \$3,863,852, respectively.

The hospitalization self-insurance benefits are administered by Blue Cross of Louisiana. The Board's expense provision in excess of employee contributions for 2003 and 2002 was approximately \$9,700,000 and \$8,800,000, respectively, and is included in payroll related expenses.

(11) Commitments (continued)

Changes in the claims payable amount are as follows (health payments are reflected net):

SEWERAGE AND WATER BOARD OF NEW ORLEANS

NOTES TO FINANCIAL STATEMENTS
(Continued)

Fiscal Year	Beginning of Year	Current Year Claims and Estimate Change	Claim Payments	End of Year
2003	\$ 37,658,305	13,418,233	16,214,965	34,861,573
2002	\$ 35,764,270	14,142,725	12,248,690	37,658,305

The composition of claims payable is as follows:

	2003	2002
Short-term:		
Workers' Compensation	\$ 1,045,874	\$ 1,279,728
Health Insurance	2,156,737	2,097,360
General Liability	20,030,500	22,928,419
Total short-term	23,233,111	26,305,507
Long-term:		
Workers' Compensation	6,678,462	6,852,798
General Liability	4,950,000	4,500,000
Total long-term	11,628,462	11,352,798
Total	\$ 34,861,573	\$ 37,658,305

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 while drawing on a \$100 million commitment from the United States Environmental Protection Agency. The Board expended \$36,824,902 and \$29,845,171 of the commitment at December 31, 2003 and 2002, respectively. The overall costs of the program are estimated at \$593 million over a period ending in 2010.

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.

(12) Commitments (continued)

d. Postemployment Healthcare Benefits

SEWERAGE AND WATER BOARD OF NEW ORLEANS

NOTES TO FINANCIAL STATEMENTS

(Continued)

In addition to providing pension benefits, the Board provides certain health care benefits for retired employees in accordance with its pension plan provisions. All of the Board's employees may become eligible for those benefits if they reach normal retirement age while working for the Board.

The cost of retiree health care is recognized when incurred including an estimate for the amount incurred but not yet reported. For 2003 and 2002, the costs incurred by the Board for those benefits were approximately \$3,167,681 and \$2,953,001, respectively, net of retiree contributions of \$193,007 and \$188,985, respectively. The number of participants eligible to receive health care benefits was 694 and 688 as of December 31, 2003 and 2002, respectively.

(12) 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.

(13) 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.

SEWERAGE AND WATER BOARD OF NEW ORLEANS

NOTES TO FINANCIAL STATEMENTS
(Continued)

(14) 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 year ended December 31 is as follows:

	<u>Condensed Statements of Net Assets</u>			
	<u>Water</u>		<u>Sewer</u>	
	<u>2003</u>	<u>2002</u>	<u>2003</u>	<u>2002</u>
	(amounts in thousands)			
Assets:				
Property, plant and equipment	\$ 237,626	\$ 235,817	\$ 418,379	\$ 377,533
Restricted assets	52,618	57,827	217,855	127,048
Current	13,135	15,262	10,250	7,738
Other assets	3,637	3,856	3,271	3,212
Total assets	<u>\$ 307,016</u>	<u>\$ 312,762</u>	<u>\$ 649,755</u>	<u>\$ 515,531</u>
Net assets:				
Invested in capital assets, net of related debt	\$ 196,297	\$ 196,733	\$ 311,265	\$ 288,367
Restricted	33,842	37,483	18,001	21,337
Total net assets	<u>230,139</u>	<u>234,216</u>	<u>329,266</u>	<u>309,704</u>
Liabilities:				
Current	18,995	21,501	19,033	16,446
Current liabilities payable from restricted assets	7,259	6,691	123,532	9,982
Noncurrent liabilities	50,623	50,354	177,924	179,399
Total liabilities	<u>76,877</u>	<u>78,546</u>	<u>320,489</u>	<u>205,827</u>
Total liabilities and net assets	<u>\$ 307,016</u>	<u>\$ 312,762</u>	<u>\$ 649,755</u>	<u>\$ 515,531</u>

	<u>Condensed Statements of Revenues, Expenses and Changes in Net Assets</u>			
	<u>Water</u>		<u>Sewer</u>	
	<u>2003</u>	<u>2002</u>	<u>2003</u>	<u>2002</u>
	(amounts in thousands)			
Service charges, pledged against bonds	\$ 56,288	\$ 54,441	\$ 62,493	\$ 53,584
Depreciation expense	(13,087)	(13,046)	(10,827)	(10,824)
Other operating expenses	(48,997)	(47,044)	(39,514)	(32,126)
Operating income	<u>(5,796)</u>	<u>(5,649)</u>	<u>12,152</u>	<u>10,634</u>
Nonoperating revenues:				
Investment earnings	-	-	275	716
Other	343	354	428	439
Capital contributions	1,376	1,296	6,707	2,622
Change in net assets	(4,077)	(3,999)	19,562	14,411
Beginning net assets	234,216	238,215	309,704	295,293
Ending net assets	<u>\$ 230,139</u>	<u>\$ 234,216</u>	<u>\$ 329,266</u>	<u>\$ 309,704</u>

SEWERAGE AND WATER BOARD OF NEW ORLEANS

NOTES TO FINANCIAL STATEMENTS
(Continued)

(14) Segment Information (continued)

	<u>Condensed Statements of Cash Flows</u>			
	<u>Water</u>		<u>Sewer</u>	
	<u>2003</u>	<u>2002</u>	<u>2003</u>	<u>2002</u>
	(amounts in thousands)			
Net cash provided by (used in):				
Operating activities	\$ 7,761	\$ 8,447	\$ 23,113	\$ 17,459
Noncapital financing activities	343	354	416	429
Capital and related financing activities	(15,170)	22,372	(31,822)	11,166
Investing activities	<u>6,028</u>	<u>(30,359)</u>	<u>66,254</u>	<u>23,998</u>
Net increase	(1,038)	814	57,961	53,052
Cash and cash equivalents:				
Beginning of year	<u>1,833</u>	<u>1,019</u>	<u>54,724</u>	<u>1,672</u>
End of year	<u>\$ 795</u>	<u>\$ 1,833</u>	<u>\$ 112,685</u>	<u>\$ 54,724</u>

(15) Subsequent Event

In April 1999, the Sewerage and Water Board adopted a resolution authorizing its advisors to develop a plan for the managed competition procurement of the Water and Sewer Systems (the "Procurement Plan"), including provisions for its scope, time-line, evaluation and procedures. Under the Procurement Plan, all private proposers and the employees of Sewerage and Water Board submitted in September 2001 to the Financial Advisory Team alternative proposals for both management only and the management, operations and maintenance through a combined Request for Qualifications/Request for Proposals (RFQ/RFP) process. In December 2001, the Board issued a final Request for Proposals. On February 13, 2002, the Sewerage and Water Board received proposals from three bidders who were responding to its final Request. Additionally, an election was held on March 2, 2002, which authorized an amendment to the City Charter to require prior approval by a majority of the electorate of any decision to enter into any contract(s) in excess of \$5,000,000 relating to the privatization of any management of the Sewerage and Water Board.

In September 2002, the Sewerage and Water Board met with three bidders and heard oral presentations regarding their proposals. On October 16, 2002, the Sewerage and Water Board met and voted in a six to five vote (with two members absent) to reject all proposals submitted with respect to the Procurement Plan. February, 2003 the Sewerage and Water Board adopted a resolution authorizing its advisors to release for public comment a Request for Proposal for the management, operations and maintenance of its water treatment and transmission; sewer treatment and pumping, all underground pipe repair, meter reading, billing and collections, customer service, water and waste water capital improvement program, and all overhead functions required to support the Drainage department, contract compliance and administration. Following the public comment period, the proposed scope is expected to be modified and released for competition.

During the 2003 Legislative Session, Act No. 768 was adopted which requires that the Board, prior to entering a contract for the sale or divestiture of any asset having an aggregate value in excess of

SEWERAGE AND WATER BOARD OF NEW ORLEANS

NOTES TO FINANCIAL STATEMENTS
(Continued)

15. Subsequent Event (continued)

\$5,000,000 of any public sewerage and water board drainage, disposal or treatment facility to a non-public entity, (i) submit a detailed written report of the proposal to the Senate Local and Municipal Affairs Committee and to the House Committee on Municipal, Parochial and Cultural Affairs; and, (ii) upon approval of the proposal by the aforesaid legislative committees, the proposed contract must be submitted for voter approval at an election held for that purpose.

Furthermore, the Louisiana Supreme Court in an opinion dated September 9, 2003, in *Civil Service Commission of New Orleans vs. The City of New Orleans*, No. 02-C-1815, held that contracts by which the City of New Orleans uses a private contractor instead of public resources to provide a government service must be submitted to the Civil Service Commission of New Orleans for its approval or disapproval if civil servants are to be involuntarily displaced by the contract. The Commission's review is limited to determining if the privatization contract was entered in good faith and for non-political reasons.

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**REQUIRED SUPPLEMENTARY INFORMATION
(GASB STATEMENT NO. 25)**

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SEWERAGE AND WATER BOARD OF NEW ORLEANS

Required Supplementary Information Under GASB Statement No. 25

SCHEDULE OF FUNDING PROGRESS

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
2003	\$ 196,697,432	\$ 205,362,089	\$ 8,664,657	95.78%	\$ 28	30.46%
2002	187,892,716	197,323,094	9,430,378	95.22%	29	32.65%
2001	180,737,126	167,062,451	(13,674,675)	108.19%	29	(47.39%)
2000	164,845,672	160,568,317	(4,277,355)	102.66%	30	(14.15%)
1999	149,976,441	156,520,350	6,543,909	95.82%	31	20.92%
1998	134,901,231	148,431,620	13,530,389	90.88%	32	42.89%

SCHEDULE OF EMPLOYER CONTRIBUTIONS

Year Ended	Annual Required Contribution	Actual Contribution	Percentage Contribution
2003	\$ 3,193,339	\$ 1,137,735	35.63%
2002	3,190,707	2,931,065	91.86%
2001	0	5,417,852	0.00%
2000	891,032	5,444,048	610.98%
1999	3,304,992	5,270,098	159.46%
1998	4,696,092	5,315,197	113.18%

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, 2003 and 2002

ASSETS	Water System		Sewerage System		Drainage System		Total	
	2003	2002	2003	2002	2003	2002	2003	2002
Property, plant and equipment	\$ 439,450,270	\$ 424,918,469	\$ 570,855,340	\$ 521,435,898	\$ 694,505,664	\$ 630,350,584	\$ 1,704,811,274	\$ 1,576,704,951
Less accumulated depreciation	201,824,424	189,101,183	152,476,460	143,902,803	157,928,036	146,555,723	512,228,920	479,559,709
	<u>237,625,846</u>	<u>235,817,286</u>	<u>418,378,880</u>	<u>377,533,095</u>	<u>536,577,628</u>	<u>483,794,861</u>	<u>1,192,582,354</u>	<u>1,097,145,242</u>
Restricted assets:								
Capital projects	33,089,765	34,929,176	5,075,000	9,900,000	52,315,800	51,959,240	90,480,565	96,788,416
Construction funds	6,692,930	10,090,129	187,691,060	94,194,408	24,884,009	28,698,590	219,267,999	132,983,127
Debt service reserve	3,928,380	3,928,380	15,895,657	15,495,985	-	-	19,824,037	19,424,365
Customer deposits	5,186,628	5,137,096	-	-	-	-	5,186,628	5,137,096
Health insurance reserve	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	9,000,000	9,000,000
Debt service	626,099	648,491	6,114,015	4,378,206	-	71,868	6,740,114	5,098,565
Other	94,000	94,000	79,000	79,000	39,000	39,000	212,000	212,000
	<u>52,617,802</u>	<u>57,827,272</u>	<u>217,854,732</u>	<u>127,047,599</u>	<u>80,238,809</u>	<u>83,768,698</u>	<u>350,711,343</u>	<u>268,643,569</u>
Current assets:								
Cash	693,488	1,827,586	1,005,501	1,492,100	(293,835)	1,068,064	1,405,154	4,387,750
Accounts receivable:								
Customers, net of allowance	6,391,968	6,302,341	5,893,674	4,493,336	-	-	12,285,642	10,795,677
Taxes	-	-	-	-	4,831,236	3,943,592	4,831,236	3,943,592
Interest	18,315	37,881	11,575	26,339	163,525	178,005	193,415	242,225
Grants	-	102,582	1,005,845	862,969	-	-	1,005,845	965,551
Miscellaneous	186,989	170,807	397,688	314,713	1,759,001	329,924	2,343,678	815,444
Due from City of New Orleans, current	96,000	96,000	70,000	70,000	34,000	34,000	200,000	200,000
Due from (to) other internal departments/other fund	(475,175)	1,816,466	(111,946)	(1,434,009)	587,121	(182,457)	-	200,000
Inventory of supplies	5,947,077	4,670,188	1,762,615	1,727,304	191,714	172,701	7,901,406	6,570,193
Prepaid expenses	276,085	238,514	214,733	185,511	122,704	106,006	613,522	530,031
	<u>13,134,747</u>	<u>15,262,365</u>	<u>10,249,685</u>	<u>7,738,263</u>	<u>7,395,466</u>	<u>5,649,835</u>	<u>30,779,898</u>	<u>28,650,463</u>
Due from City of New Orleans, less current portion	323,149	379,405	235,630	276,650	114,449	134,373	673,228	790,428
Other assets:								
Bond issue costs	287,569	350,098	1,178,493	1,018,400	196,401	224,536	1,662,463	1,593,034
Deposits	22,950	22,950	17,965	17,965	10,400	10,400	51,315	51,315
Pension Asset	3,004,051	3,102,461	1,839,216	1,899,467	1,287,451	1,329,627	6,130,718	6,331,555
	<u>3,314,570</u>	<u>3,475,509</u>	<u>3,035,674</u>	<u>2,935,832</u>	<u>1,494,252</u>	<u>1,564,563</u>	<u>7,844,496</u>	<u>7,975,904</u>
	<u>\$ 307,016,114</u>	<u>\$ 312,761,837</u>	<u>\$ 649,754,601</u>	<u>\$ 515,531,439</u>	<u>\$ 625,820,604</u>	<u>\$ 574,912,330</u>	<u>\$ 1,582,591,319</u>	<u>\$ 1,403,205,606</u>

(Continued)

SEWERAGE AND WATER BOARD OF NEW ORLEANS

SCHEDULE OF NET ASSETS BY DEPARTMENT, CONTINUED

ENTERPRISE FUND

As of December 31, 2003 and 2002

NET ASSETS AND LIABILITIES	Water System		Sewerage System		Drainage System		Total	
	2003	2002	2003	2002	2003	2002	2003	2002
Net assets:								
Invested in capital assets - net of related debt	\$ 196,297,080	\$ 196,732,662	\$ 311,264,692	\$ 288,367,383	\$ 533,651,637	\$ 482,663,451	\$ 1,041,213,409	\$ 967,763,496
Restricted for:								
Debt service	4,373,054	4,368,411	21,083,651	18,923,549	-	-	25,456,705	23,291,960
Capital Projects	29,469,088	33,114,739	(3,081,883)	2,412,772	44,499,477	40,631,402	70,886,682	76,158,913
Total net assets	230,139,222	234,215,812	329,266,460	309,703,704	578,151,114	523,294,853	1,137,556,796	1,067,214,369
Long-term liabilities:								
Claims payable	4,176,154	2,284,266	2,226,154	2,284,266	5,226,154	6,784,266	11,628,462	11,352,798
Bonds payable (net of current maturities)	46,446,696	48,069,753	175,697,195	177,115,120	26,885,000	27,810,000	249,028,891	252,994,873
	50,622,850	50,354,019	177,923,349	179,399,386	32,111,154	34,594,266	260,657,353	264,347,671
Current liabilities (payable from current assets):								
Accounts payable	6,674,070	5,376,803	8,223,392	6,203,500	3,425,423	2,905,679	18,322,885	14,485,982
Due to City of New Orleans	205,928	25,658	-	-	-	-	205,928	25,658
Retainers and estimates payable	110,105	105,606	159,509	107,724	188,851	709,728	458,465	923,058
Due to other fund	16,885	18,400	7,925	39,199	9,648	22,399	34,458	79,998
Accrued salaries	171,410	663,382	134,515	379,251	73,029	299,258	378,954	1,341,891
Accrued vacation and sick pay	4,845,081	4,681,732	2,932,977	2,786,860	2,051,322	2,153,057	9,829,380	9,621,649
Claims payable	6,961,369	10,624,514	7,573,027	6,928,487	8,698,715	8,752,506	23,233,111	26,305,507
Other liabilities	9,854	4,906	1,716	850	-	-	11,570	5,756
	18,994,702	21,501,001	19,033,061	16,445,871	14,446,988	14,842,627	52,474,751	52,789,499
Current liabilities (payable from restricted assets):								
Accrued interest	181,425	208,460	926,021	950,642	107,413	135,496	1,214,859	1,294,598
Bonds payable	1,575,000	1,105,000	119,108,053	6,245,000	925,000	2,020,000	121,608,053	9,370,000
Retainers and estimates payable	316,287	240,449	3,497,657	2,786,836	78,935	25,088	3,892,879	3,052,373
Customer deposits	5,186,628	5,137,096	-	-	-	-	5,186,628	5,137,096
	7,259,340	6,691,005	123,531,731	9,982,478	1,111,348	2,180,584	131,902,419	18,854,067
Total current liabilities	26,254,042	28,192,006	142,564,792	26,428,349	15,558,336	17,023,211	184,377,170	71,643,566
Total liabilities	76,876,892	78,546,025	320,488,141	205,827,735	47,669,490	51,617,477	445,034,523	335,991,237
Total fund equity and liabilities	\$ 307,016,114	\$ 312,761,837	\$ 649,754,601	\$ 515,531,439	\$ 625,820,604	\$ 574,912,330	\$ 1,582,591,319	\$ 1,403,205,606

See accompanying 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, 2003 and 2002

	Water System		Sewerage System		Drainage System		Total	
	2003	2002	2003	2002	2003	2002	2003	2002
Operating revenues:								
Sales of water and delinquent fees	\$ 54,997,831	\$ 53,413,048	\$ -	\$ -	\$ -	\$ -	\$ 54,997,831	53,413,048
Sewerage service charges	-	-	62,328,695	53,455,291	-	-	62,328,695	53,455,291
Plumbing inspection and license fees	107,821	109,685	107,821	109,685	-	-	215,642	219,370
Other revenues	1,182,015	917,829	56,689	19,100	857,101	878,022	2,095,805	1,814,951
Total revenues	56,287,667	54,440,562	62,493,205	53,584,076	857,101	878,022	119,637,973	108,902,660
Operating Expenses:								
Power and pumping	10,028,943	7,890,696	2,354,570	2,282,744	6,955,582	6,081,928	19,339,095	16,255,368
Treatment	4,758,174	4,548,836	12,317,373	10,966,746	-	-	17,075,547	15,515,582
Transmission and distribution	11,769,736	9,746,266	6,459,148	5,307,214	2,095,424	3,179,603	20,324,308	18,233,083
Customer accounts	1,256,745	1,192,374	1,256,741	1,192,370	-	-	2,513,486	2,384,744
Customer service	1,410,515	1,365,884	1,410,510	1,365,879	-	-	2,821,025	2,731,763
Administration and general	5,375,625	6,929,101	4,986,324	5,285,070	2,172,303	2,248,893	12,534,252	14,463,064
Payroll related	8,278,123	7,778,891	5,109,709	4,716,852	3,309,455	3,577,930	16,697,287	16,073,673
Maintenance of general plant	4,927,602	4,844,853	2,525,788	2,547,827	3,110,546	2,628,166	10,563,936	10,020,846
Depreciation	13,086,767	13,045,978	10,827,088	10,823,668	11,567,100	10,681,813	35,480,955	34,551,459
Amortization	62,529	58,712	97,464	48,058	28,135	23,534	188,128	130,304
Provision for doubtful accounts	1,047,585	1,182,640	837,166	660,318	-	-	1,884,751	1,842,958
Provision for claims	81,248	1,505,051	2,159,310	(2,246,496)	1,432,634	5,675,811	3,673,192	4,934,366
Total operating expenses	62,083,592	60,089,282	50,341,191	42,950,250	30,671,179	34,097,678	143,095,962	137,137,210
Operating income (loss)	(5,795,925)	(5,648,720)	12,152,014	10,633,826	(29,814,078)	(33,219,656)	(23,457,989)	(28,234,550)
Non-operating revenues:								
Two-mill tax	-	-	-	-	7,423	5,058	7,423	5,058
Three-mill tax	-	-	-	-	11,031,057	10,312,636	11,031,057	10,312,636
Six-mill tax	-	-	-	-	11,169,139	10,567,048	11,169,139	10,567,048
Nine-mill tax	-	-	-	-	16,735,885	15,946,585	16,735,885	15,946,585
Other taxes	342,945	354,156	427,718	438,727	-	-	770,663	792,883
Interest income	-	-	275,061	715,773	756,532	900,534	1,031,593	1,616,307
Total non-operating revenues	342,945	354,156	702,779	1,154,500	39,700,036	37,731,861	40,745,760	39,240,517
Income before capital contributions	(5,452,980)	(5,294,564)	12,854,793	11,788,326	9,885,958	4,512,205	17,287,771	11,005,967
Capital contributions	1,376,390	1,295,711	6,707,963	2,622,385	44,970,303	31,867,811	53,054,656	35,785,907
Change in net assets	(4,076,590)	(3,998,853)	19,562,756	14,410,711	54,856,261	36,380,016	70,342,427	46,791,874
Net assets, beginning of year	234,215,812	238,214,665	309,703,704	295,292,993	523,294,853	486,914,837	1,067,214,369	1,020,422,495
Net assets, end of year	\$ 230,139,222	\$ 234,215,812	\$ 329,266,460	\$ 309,703,704	\$ 578,151,114	\$ 523,294,853	\$ 1,137,556,796	\$ 1,067,214,369

See accompanying independent auditors' report.

SEWERAGE AND WATER BOARD OF NEW ORLEANS

Schedule 3

SCHEDULE OF PROPERTY, PLANT, AND EQUIPMENT BY DEPARTMENT

DECEMBER 31, 2003 AND 2002

	2003			
	Water	Sewer	Drainage	Total
Real estate rights, non depreciable	\$ 2,898,138	\$ 905,876	\$ 4,768,886	\$ 8,572,900
Power and pumping stations - buildings	52,384,607	25,561,288	171,752,878	249,698,773
Power and pumping stations - machinery	109,565,504	28,925,136	90,439,652	228,930,292
Distribution systems	118,796,243	-	-	118,796,243
Sewerage collection	-	162,526,854	-	162,526,854
Canals and subsurface drainage	-	-	290,531,186	290,531,186
Treatment plants	-	112,975,457	-	112,975,457
Connections and meters	28,612,472	12,855,970	-	41,468,442
Power transmission	8,817,200	5,358,903	11,407,980	25,584,083
General plant	85,295,730	58,875,757	45,399,193	189,570,680
General buildings	3,088,445	1,336,972	4,852,009	9,277,426
Total property, plant and equipment in service	409,458,339	409,322,213	619,151,784	1,437,932,336
Construction in progress	29,991,931	161,533,127	75,353,881	266,878,939
Total property, plant and equipment	439,450,270	570,855,340	694,505,665	1,704,811,275
Accumulated depreciation	201,824,424	152,476,460	157,928,036	512,228,920
Net property, plant and equipment	\$ 237,625,846	418,378,880	536,577,629	1,192,582,355
	2002			
	Water	Sewer	Drainage	Total
Real estate rights, non depreciable	\$ 2,898,138	\$ 905,876	\$ 4,768,886	\$ 8,572,900
Power and pumping stations - buildings	52,384,607	25,561,288	120,934,560	198,880,455
Power and pumping stations - machinery	109,541,642	28,925,136	90,439,652	228,906,430
Distribution systems	118,959,822	-	-	118,959,822
Sewerage collection	-	164,577,652	-	164,577,652
Canals and subsurface drainage	-	-	211,454,648	211,454,648
Treatment plants	-	112,975,457	-	112,975,457
Connections and meters	28,590,806	12,936,601	-	41,527,407
Power transmission	8,817,200	5,358,903	11,407,980	25,584,083
General plant	84,596,276	58,650,351	45,448,874	188,695,501
General buildings	3,088,455	1,336,972	4,852,010	9,277,437
Total property, plant and equipment in service	408,876,946	411,228,236	489,306,610	1,309,411,792
Construction in progress	16,041,523	110,207,662	141,043,974	267,293,159
Total property, plant and equipment	424,918,469	521,435,898	630,350,584	1,576,704,951
Accumulated depreciation	189,101,183	143,902,803	146,555,723	479,559,709
Net property, plant and equipment	\$ 235,817,286	377,533,095	483,794,861	1,097,145,242

See independent auditors' report.

SEWERAGE AND WATER BOARD OF NEW ORLEANS
 SCHEDULE OF BONDS PAYABLE
 December 31, 2003

	Average Annual Interest Rates	Interest Payment Dates	Issue Date	Final Maturity Date	Outstanding as of 12/31/2002	New Debt in 2003	Payments in 2003	Outstanding 12/31/2003
Drainage System Refunding Bonds, Series 1994 (6-Mills)	5.06%	(5/1;11/1)	04/01/94	11/01/03	1,140,000	-	1,140,000	-
Drainage System Bonds Series 1998 (9-Mills)	4.84%	(6/1;12/1)	12/01/98	12/01/18	8,690,000	-	370,000	8,320,000
Drainage System Bonds Series 2002 (9-Mills)	4.46%	(6/1;12/1)	10/01/02	12/01/22	20,000,000	-	510,000	19,490,000
					<u>29,830,000</u>	<u>-</u>	<u>2,020,000</u>	<u>27,810,000</u>
Sewer Revenue Bonds, 1997	5.36%	(6/1;12/1)	06/01/97	06/01/17	25,435,000	-	1,100,000	24,335,000
Sewer Revenue Bonds, 1998	4.82%	(6/1;12/1)	12/01/98	06/01/18	22,000,000	-	950,000	21,050,000
Sewer Revenue Bonds, 2000	5.48%	(6/1;12/1)	05/01/00	06/01/20	25,300,000	-	820,000	24,480,000
Sewer Revenue Bonds, 2000-B	5.43%	(6/1;12/1)	11/01/00	06/01/20	19,350,000	-	640,000	18,710,000
Sewer Revenue Bonds, 2001	5.02%	(6/1;12/1)	12/01/01	06/01/21	31,790,000	-	1,100,000	30,690,000
Sewer Revenue Bonds, 2002	4.36%	(6/1;12/1)	12/01/02	06/01/22	57,000,000	-	1,635,000	55,365,000
Sewer Revenue Bonds, 2003	3.94%	(6/1;12/1)	12/03/03	06/01/23	-	5,500,000	-	5,500,000
Sewer Revenue Bond Anticipation Notes, 2003	1.09%	(6/1;12/1)	12/03/03	08/01/04	-	111,800,000	-	111,800,000
					<u>180,875,000</u>	<u>117,300,000</u>	<u>6,245,000</u>	<u>291,930,000</u>
Water Revenue Bonds, 1986	6.73%	(6/1;12/1)	08/01/86	12/01/03	500,000	-	500,000	-
Water Revenue Bonds, 1998	4.82%	(6/1;12/1)	12/01/98	12/01/18	14,080,000	-	605,000	13,475,000
Water Revenue Bonds, 2002	4.57%	(6/1;12/1)	10/01/02	12/01/22	34,000,000	-	-	34,000,000
					<u>48,580,000</u>	<u>-</u>	<u>1,105,000</u>	<u>47,475,000</u>
TOTAL					<u>259,285,000</u>	<u>117,300,000</u>	<u>9,370,000</u>	<u>367,215,000</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, 2003

	Debt Service Account				Debt Service Reserve Accounts		
	Water Revenue Bonds	Sewer Revenue Bonds	Drainage System Bonds	Total	Water Revenue Bonds	Sewer Revenue Bonds	Total
Cash and investments at beginning of year	\$ 648,491	\$ 4,378,206	\$ 71,868	\$ 5,098,565	\$ 3,928,380	\$ 15,495,985	\$ 19,424,365
Cash receipts:							
Interest received	-	-	-	-	-	-	-
Bond proceeds and accrued interest	-	-	-	-	-	671,316	671,316
Transfers from operating cash and debt service reserve	3,587,667	16,969,474	-	20,557,141	-	-	-
Total cash and investments	4,236,158	21,347,680	71,868	25,655,706	3,928,380	16,167,301	20,095,681
Cash disbursements:							
Principal and interest payments, cost of issuance and transfers	3,610,059	15,233,665	-	18,843,724	-	271,644	271,644
Returned to operating cash	-	-	71,868	71,868	-	-	-
Total cash disbursements	3,610,059	15,233,665	71,868	18,915,592	-	271,644	271,644
Cash and investments at end of year	\$ 626,099	\$ 6,114,015	\$ -	\$ 6,740,114	\$ 3,928,380	\$ 15,895,657	\$ 19,824,037

See accompanying independent auditors' report.

SEWERAGE AND WATER BOARD OF NEW ORLEANSChanges in Self-Insurance Liabilities By Department
For the Year ended December 31, 2003

	Beginning of Year	Current Year Claims and Estimate Change	Payments	End of Year
<u>WATER</u>				
Short-term:				
Workers' compensation	\$ 426,576	\$ 929,648	\$ 1,007,599	\$ 348,625
Health insurance	1,027,707	4,775,070	4,745,976	1,056,801
General liability	9,170,231	(1,950,000)	1,664,288	5,555,943
Total short-term	<u>10,624,514</u>	<u>3,754,718</u>	<u>7,417,863</u>	<u>6,961,369</u>
Long-term:				
Workers' compensation	2,284,266	(58,112)	-	2,226,154
General liability	-	1,950,000	-	1,950,000
Total long-term	<u>2,284,266</u>	<u>1,891,888</u>	<u>-</u>	<u>4,176,154</u>
Total	<u>\$ 12,908,780</u>	<u>\$ 5,646,606</u>	<u>\$ 7,417,863</u>	<u>\$ 11,137,523</u>
<u>SEWERAGE</u>				
Short-term:				
Workers' compensation	\$ 426,576	\$ 929,652	\$ 1,007,603	\$ 348,625
Health insurance	608,234	2,826,062	2,808,842	625,454
General liability	5,893,677	-	(705,271)	6,598,948
Total short-term	<u>6,928,487</u>	<u>3,755,714</u>	<u>3,111,174</u>	<u>7,573,027</u>
Long-term:				
Workers' compensation	2,284,266	(58,112)	-	2,226,154
General liability	-	-	-	-
Total long-term	<u>2,284,266</u>	<u>(58,112)</u>	<u>-</u>	<u>2,226,154</u>
Total	<u>\$ 9,212,753</u>	<u>\$ 3,697,602</u>	<u>\$ 3,111,174</u>	<u>\$ 9,799,181</u>
<u>DRAINAGE</u>				
Short-term:				
Workers' compensation	\$ 426,576	\$ 929,648	\$ 1,007,600	\$ 348,624
Health insurance	461,419	2,143,909	2,130,846	474,482
General liability	7,864,511	1,500,000	1,488,902	7,875,609
Total short-term	<u>8,752,506</u>	<u>4,573,557</u>	<u>4,627,348</u>	<u>8,698,715</u>
Long-term:				
Workers' compensation	2,284,266	(58,112)	-	2,226,154
General liability	4,500,000	(1,500,000)	-	3,000,000
Total long-term	<u>6,784,266</u>	<u>(1,558,112)</u>	<u>-</u>	<u>5,226,154</u>
Total	<u>\$ 15,536,772</u>	<u>\$ 3,015,445</u>	<u>\$ 4,627,348</u>	<u>\$ 13,924,869</u>
<u>TOTAL</u>				
Short-term:				
Workers' compensation	\$ 1,279,728	\$ 2,788,948	\$ 3,022,802	\$ 1,045,874
Health insurance	2,097,360	9,745,041	9,685,664	2,156,737
General liability	22,928,419	(450,000)	2,447,919	20,030,500
Total short-term	<u>26,305,507</u>	<u>12,083,989</u>	<u>15,156,385</u>	<u>23,233,111</u>
Long-term:				
Workers' compensation	6,852,798	(174,336)	-	6,678,462
General liability	4,500,000	450,000	-	4,950,000
Total long-term	<u>11,352,798</u>	<u>275,664</u>	<u>-</u>	<u>11,628,462</u>
Total	<u>\$ 37,658,305</u>	<u>\$ 12,359,653</u>	<u>\$ 15,156,385</u>	<u>\$ 34,861,573</u>

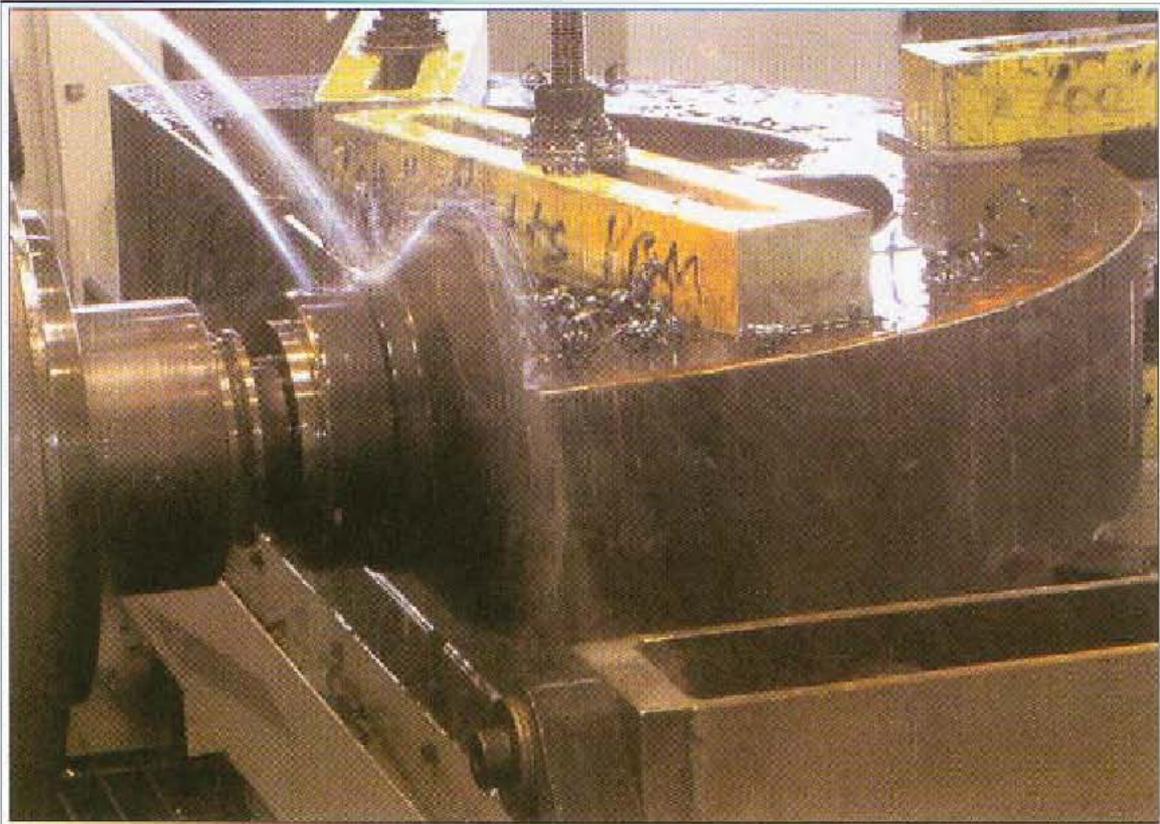
See accompanying independent auditors' report.

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The S&WB operates its own electrical generating plant to produce power to run the massive network of drainage pumping stations. Underground feeders distribute power as needed during rainstorms.

The Machine and Fabrication Shop is a crucial part of S&WB operations. Parts, no longer available "off the shelf," are manufactured to precise specifications to keep aging, yet reliable, equipment running.



SEWERAGE AND WATER BOARD OF NEW ORLEANS

CAPITAL EXPENDITURES BY DEPARTMENT

ENTERPRISE FUND

Last Ten Fiscal Years
(Unaudited)

<u>Year</u>	<u>Water</u>	<u>Sewer</u>	<u>Drainage</u>	<u>Total</u>
1994	\$ 9,943,739	11,213,412	10,342,235	31,499,386
1995	11,783,818	14,238,109	9,014,933	35,036,860
1996	16,800,825	13,987,572	6,891,995	37,680,392
1997	17,123,523	20,385,974	10,339,467	47,848,964
1998	16,150,082	22,236,831	9,162,998	47,549,911
1999	15,396,620	29,211,401	8,758,788	53,366,809
2000	13,001,122	21,609,266	12,976,071	47,586,459
2001	12,586,744	51,226,639	52,859,310 ¹	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

¹ Includes contributed assets

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

Revenues	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Charges for service	\$ 93,835,767	\$ 93,746,543	\$ 93,288,660	\$ 91,931,554	\$ 93,640,920	\$ 94,838,488	\$ 104,136,436	\$ 101,387,729	\$ 107,087,709	\$ 117,542,168
Dedicated taxes	28,163,565	28,144,310	28,939,562	30,216,975	32,120,157	32,857,027	36,294,103	38,021,882	36,826,269	38,936,081
Two-mill tax	86,103	94,551	17,676	17,366	20,017	11,811	6,348	10,726	5,058	7,423
Interest on investments	5,556,027	7,813,226	6,729,404	7,949,404	5,877,860	3,468,929	6,087,145	3,956,010	1,616,307	1,031,593
Other taxes and revenue	1,911,706	2,091,070	1,930,732	2,051,846	2,709,878	1,975,775	2,508,502	3,134,686	2,607,834	2,866,468
	<u>\$ 129,553,168</u>	<u>\$ 131,889,700</u>	<u>\$ 130,906,034</u>	<u>\$ 132,167,145</u>	<u>\$ 134,368,832</u>	<u>\$ 133,152,030</u>	<u>\$ 149,032,534</u>	<u>\$ 146,511,033</u>	<u>\$ 148,143,177</u>	<u>\$ 160,383,733</u>
Expenses	1994	1995	1996	1997	1999	1999	2000	2001	2002	2003
Personnel services*	\$ 46,636,948	\$ 45,053,530	\$ 47,873,886	\$ 51,540,718	\$ 48,316,625	\$ 46,924,868	\$ 45,955,695	\$ 45,544,701	\$ 47,719,045	\$ 49,759,541
Services and utilities	28,627,619	29,956,993	32,732,388	32,518,005	31,368,417	33,564,383	40,576,321	43,554,817	40,228,571	46,120,890
Materials and supplies	8,215,530	8,301,900	9,423,809	9,714,832	8,711,943	9,562,704	8,098,236	8,299,514	7,730,507	5,988,505
Miscellaneous	389,525	-	-	-	-	-	-	-	-	-
Depreciation and amortization	22,661,580	23,651,539	25,098,375	26,058,333	26,898,861	27,628,934	28,581,624	34,503,058	34,681,763	35,669,083
Provision for doubtful accounts	1,654,355	1,024,383	1,185,345	995,435	837,177	1,002,267	1,071,194	1,661,267	1,842,958	1,884,751
Provision for claims	2,738,881	3,862,241	5,265,081	7,154,016	7,199,793	7,165,150	11,379,397	7,452,510	4,934,366	3,673,192
Interest	3,691,800	2,834,930	2,244,315	2,599,896	2,858,224	-	-	-	-	-
	<u>\$ 114,616,238</u>	<u>\$ 114,685,516</u>	<u>\$ 123,823,199</u>	<u>\$ 130,581,235</u>	<u>\$ 126,191,040</u>	<u>\$ 125,848,306</u>	<u>\$ 135,662,467</u>	<u>\$ 141,015,867</u>	<u>\$ 137,137,210</u>	<u>\$ 143,095,962</u>

Note: Years prior to 2001 have not been restated for impact of GASB 33.
* - 1994 to 1997 restated for the adoption of GASB Statement No. 27.

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, 2001 (2)		Balance Outstanding at December 31, 2001 (2)		Collected during 2001 (2) Amount
		Amount	Percent	Amount	Percent	
Real Estate Taxes:						
1993	149,627	147,610	98.65	2,017	1.35	221
1994	146,451	144,357	98.57	2,094	1.43	229
1995	145,005	142,529	98.29	2,476	1.71	1,269
1996	155,297	152,484	98.19	2,813	1.81	593
1997	157,517	153,598	97.51	3,919	2.49	1,274
1998	163,715	159,060	97.16	4,655	2.84	1,541
1999	172,016	166,683	96.9	5,333	3.1	3,636
2000	199,666	189,124	94.72	10,542	5.28	7,224
2001	209,441	195,395	93.29	14,046	6.71	195,395
2002	214,088	200,727	93.76	13,361	6.24	200,727
Personal Property Taxes:						
1993	72,866	68,296	93.73	4,570	6.27	5
1994	74,955	71,142	94.91	3,813	5.09	11
1995	79,258	75,418	95.16	3,840	4.84	42
1996	85,470	78,091	91.37	7,379	8.63	356
1997	88,126	83,113	94.31	5,013	5.69	163
1998	94,777	88,376	94.08	6,401	6.75	325
1999	98,467	92,633	92.18	5,834	5.92	432
2000	105,951	97,665	92.18	8,286	7.82	2,132
2001	110,058	91,086	82.76	18,972	17.24	91,086
2002	105,378	91,030	86.38	14,348	13.62	91,030

(2) The latest date available for Property Tax Levies and Collections by the City of New Orleans is the year ended December 31, 2002

SEWERAGE AND WATER BOARD OF NEW ORLEANS

Assessed and Estimated Actual Value of Taxable Property

Last Ten Fiscal Years
(Unaudited)

(Amount 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			
1994	894,733	467,805	1,362,538	10,787,818	12.6%
1995	885,899	467,699	1,353,598	10,711,391	12.6%
1996	948,777	533,300	1,482,077	11,687,684	12.7%
1997	960,554	548,893	1,509,447	11,892,583	12.7%
1998	977,783	578,256	1,556,039	12,236,013	12.7%
1999	1,013,240	592,741	1,605,981	12,636,496	12.7%
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	1,211,212	664,531	1,875,742	14,654,238	12.8%

Source: City of New Orleans Annual Financial Report, Orleans Parish School Board.

2003 - Latest year for which information is available.

(1) Amounts are net of the homestead exemption.

SEWERAGE AND WATER BOARD OF NEW ORLEANS

Property Tax Rates - Direct and Overlapping Governments

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

Last Ten Fiscal Years
(Unaudited)

<u>Fiscal Year</u>	<u>City of New Orleans</u>	<u>Orleans Levee Board</u>	<u>Sewerage & Water Board of New Orleans</u>	<u>Orleans Parish School Board</u>	<u>Audubon Park & Zoo</u>	<u>Total</u>
1994	75.90	12.01	22.59	45.10	4.55	161.34
1995	75.90	12.01	22.59	45.10	4.55	161.34
1996	77.09	12.01	22.59	45.40	4.55	161.64
1997	77.09	12.01	22.59	45.40	4.55	161.64
1998	77.09	12.01	22.59***	45.40	4.55	161.64
1999	77.09	12.01	22.59***	51.10	4.55	167.26
2000	77.09	12.76	22.59***	52.70	4.55	172.69
2001	77.09	12.76	22.59***	53.05*	4.55	170.04
2002	77.09	12.01	22.59***	52.98	4.55	146.63
2003	77.09	12.01	22.59***	52.70	4.55	168.94

Source: City of New Orleans

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

**Millage rates were adjusted upward to compensate for a decrease in assessment values.

***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

Computation of Direct and Overlapping Debt

December 31, 2003
(Unaudited)

	<u>Net Outstanding Debt</u>	<u>Percentage Overlapping</u>	<u>Overlapping Debt</u>
Direct debt:			
Sewerage and Water Board, net of debt service funds (tax bonds only)	<u>\$27,810,000</u>	100%	<u>\$27,810,000</u>
Overlapping debt:			
City of New Orleans	643,708	100%	643,708
Audubon Park Commission	56,772	100%	56,772
Orleans Parish School Board (1)	296,908,366	100%	296,908,366
Orleans Levee District (1)	<u>125,217</u>	<u>100%</u>	<u>125,217</u>
Total overlapping debt	<u>297,734,063</u>	<u>100%</u>	<u>297,734,063</u>
Total direct and overlapping debt	<u>\$325,544,063</u>	<u>100%</u>	<u>\$325,544,063</u>

- (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, 2002 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	Total	
1994	\$ 57,711,009	\$ 41,566,638	\$ 16,144,371	\$ 2,205,000	\$ 1,137,360	\$ 3,342,360	4.83
1995	58,722,644	41,011,216	17,711,428	2,385,000	989,625	3,374,625	5.25
1996	58,585,014	45,625,080	12,959,934	2,405,000	827,445	3,232,445	4.01
1997	57,147,602	47,868,432	9,279,170	2,335,000	661,500	2,996,500	3.10
1998	57,884,614	44,254,625	13,629,989	1,760,000	498,050	2,258,050	6.04
1999	58,504,855	46,370,835	12,134,020	2,140,000	1,168,436	3,308,436	3.67
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

* Current year annual debt service payment

** Operating revenues based on collected revenues.

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 Services Requirements*			Coverage
				Principal	Interest	Total	
1994	\$ 39,273,218	\$ 28,633,005	\$ 10,640,213	\$ 4,400,000	\$ 294,800	\$ 4,694,800	2.27
1995	No outstanding bonds; not applicable						
1996	No outstanding bonds; not applicable						
1997	No outstanding bonds; not applicable						
1998	40,034,619	31,703,857	8,330,762	800,000	1,574,550	2,374,550	3.51
1999	41,082,524	32,359,817	8,722,707	1,230,000	2,761,973	3,991,973	2.19
2000	49,677,971	35,549,015	14,128,956	1,745,000	2,682,686	4,427,686	3.19
2001	51,902,479	35,866,277	16,036,202	2,920,000	5,254,696	8,174,696	1.96
2002	54,195,717	31,418,205	22,777,512	4,250,000	6,766,471	11,016,471	2.07
2003	60,837,815	38,579,473	22,258,342	6,245,000	8,988,665	15,233,665	1.46

* Current year annual debt service payment

** Operating revenues based on collected revenues.

SEWERAGE & WATER BOARD OF NEW ORLEANS
SCHEDULE OF FUTURE DEBT PAYMENTS
DECEMBER 31, 2003
(Unaudited)

		Water Revenue Bonds		
		Series 1998	Series 2002	All Bond Issues
2004	Principal	630,000	945,000	1,575,000
	Interest	641,630	1,535,463	2,177,093
2005	Principal	660,000	995,000	1,655,000
	Interest	603,043	1,507,113	2,110,156
2006	Principal	690,000	1,045,000	1,735,000
	Interest	562,618	1,477,263	2,039,881
2007	Principal	725,000	1,095,000	1,820,000
	Interest	534,155	1,445,913	1,980,068
2008	Principal	770,000	1,150,000	1,920,000
	Interest	504,068	1,413,063	1,917,131
2009	Principal	810,000	1,210,000	2,020,000
	Interest	471,728	1,377,125	1,848,853
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		13,475,000	34,000,000	47,475,000
Total Interest		5,665,194	20,269,615	25,934,809
		<u>\$ 19,140,194</u>	<u>\$ 54,269,615</u>	<u>\$ 73,409,809</u>

SEWERAGE & WATER BOARD OF NEW ORLEANS
SCHEDULE OF FUTURE DEBT PAYMENTS
DECEMBER 31, 2003
(Unaudited)

Sewer Revenue Bonds									
	Series 1997	Series 1998	Series 2000A	Series 2000B	Series 2001	Series 2002	Series 2003	Series BANS 2003	All Bond Issues
2004 Principal	1,170,000	985,000	870,000	680,000	1,145,000	1,725,000	140,000	111,800,000	118,515,000
2004 Interest	1,291,295	973,498	1,442,700	1,002,518	1,512,618	2,564,325	199,967	1,478,244	10,465,165
2005 Principal	1,245,000	1,030,000	920,000	715,000	1,195,000	1,820,000	210,000		7,135,000
2005 Interest	1,223,139	913,048	1,389,000	953,692	1,448,267	2,511,150	195,846		8,634,142
2006 Principal	1,330,000	1,075,000	975,000	760,000	1,250,000	1,920,000	215,000		7,525,000
2006 Interest	1,142,670	859,976	1,332,150	902,068	1,381,030	2,445,450	189,471		8,252,815
2007 Principal	1,415,000	1,135,000	1,035,000	800,000	1,305,000	2,025,000	220,000		7,935,000
2007 Interest	1,056,889	813,969	1,271,850	855,467	1,317,293	2,366,550	184,046		7,866,064
2008 Principal	1,490,000	1,200,000	1,095,000	850,000	1,360,000	2,135,000	225,000		8,355,000
2008 Interest	975,420	764,634	1,207,950	814,218	1,242,370	2,283,350	179,371		7,467,313
2009 Principal	1,570,000	1,265,000	1,160,000	895,000	1,420,000	2,255,000	230,000		8,795,000
2009 Interest	898,135	711,462	1,140,300	769,474	1,164,860	2,195,550	174,021		7,053,802
2010 Principal	1,655,000	1,320,000	1,230,000	950,000	1,485,000	2,380,000	235,000		9,255,000
2010 Interest	815,070	654,750	1,068,600	721,042	1,100,240	2,102,850	167,856		6,630,408
2011 Principal	1,745,000	1,380,000	1,305,000	1,005,000	1,545,000	2,510,000	245,000		9,735,000
2011 Interest	726,234	594,660	992,550	670,980	1,032,808	1,992,500	160,769		6,170,501
2012 Principal	1,840,000	1,445,000	1,385,000	1,060,000	1,615,000	2,645,000	250,000		10,240,000
2012 Interest	632,128	530,194	911,850	619,355	960,092	1,863,625	150,721		5,667,965
2013 Principal	1,940,000	1,510,000	1,465,000	1,120,000	1,685,000	2,790,000	260,000		10,770,000
2013 Interest	532,903	461,294	826,350	564,295	881,700	1,727,750	137,971		5,132,263
2014 Principal	2,050,000	1,585,000	1,555,000	1,185,000	1,760,000	2,945,000	270,000		11,350,000
2014 Interest	426,884	388,165	735,750	504,925	798,140	1,584,375	126,611		4,564,850
2015 Principal	2,170,000	1,655,000	1,645,000	1,255,000	1,840,000	3,110,000	280,000		11,955,000
2015 Interest	313,200	310,801	639,750	440,858	709,940	1,433,000	116,676		3,964,225
2016 Principal	2,290,000	1,735,000	1,745,000	1,325,000	1,930,000	3,280,000	290,000		12,595,000
2016 Interest	192,780	228,791	538,050	371,825	616,610	1,273,250	106,091		3,327,397
2017 Principal	2,425,000	1,820,000	1,850,000	1,400,000	2,020,000	3,460,000	305,000		13,280,000
2017 Interest	65,475	141,000	430,200	297,550	517,860	1,104,750	94,672		2,651,507
2018 Principal		1,910,000	1,960,000	1,480,000	2,120,000	3,650,000	315,000		11,435,000
2018 Interest		47,750	315,900	218,350	414,360	927,000	82,463		2,005,823
2019 Principal			2,080,000	1,570,000	2,225,000	3,850,000	330,000		10,055,000
2019 Interest			194,700	134,475	304,344	739,500	69,563		1,442,582
2020 Principal			2,205,000	1,660,000	2,335,000	4,060,000	345,000		10,605,000
2020 Interest			66,150	45,650	187,494	541,750	55,847		896,891
2021 Principal					2,455,000	4,285,000	360,000		7,100,000
2021 Interest					63,830	333,125	41,081		438,036
2022 Principal						4,520,000	380,000		4,900,000
2022 Interest						113,000	25,356		138,356
2023 Principal							395,000		395,000
2023 Interest							8,641		8,641
Total Principal	24,335,000	21,050,000	24,480,000	18,710,000	30,690,000	55,365,000	5,500,000	111,800,000	291,930,000
Total Interest	10,292,222	8,393,992	14,503,800	9,886,742	15,653,856	30,102,850	2,467,041	1,478,244	92,778,747
	\$ 34,627,222	\$ 29,443,992	\$ 38,983,800	\$ 28,596,742	\$ 46,343,856	\$ 85,467,850	\$ 7,967,041	\$ 113,278,244	\$ 384,708,747

SEWERAGE & WATER BOARD OF NEW ORLEANS
SCHEDULE OF FUTURE DEBT PAYMENTS
DECEMBER 31, 2003
(Unaudited)

		Drainage Revenue Bonds		
		Series 1998	Series 2002	All Bond Issues
2004	Principal	390,000	535,000	925,000
	Interest	395,532	893,416	1,288,948
2005	Principal	405,000	560,000	965,000
	Interest	371,742	861,316	1,233,058
2006	Principal	425,000	590,000	1,015,000
	Interest	350,986	827,716	1,178,702
2007	Principal	450,000	620,000	1,070,000
	Interest	333,560	792,316	1,125,876
2008	Principal	475,000	650,000	1,125,000
	Interest	314,660	755,116	1,069,776
2009	Principal	500,000	685,000	1,185,000
	Interest	294,472	716,116	1,010,588
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
Total Principal		8,320,000	19,490,000	27,810,000
Total Interest		3,536,608	10,389,634	13,926,242
		<u>\$ 11,856,608</u>	<u>\$ 29,879,634</u>	<u>\$ 41,736,242</u>

SEWERAGE & WATER BOARD OF NEW ORLEANS
SCHEDULE OF FUTURE DEBT PAYMENTS
DECEMBER 31, 2003
(Unaudited)

		All Departments			
		Water	Sewer	Drainage	Total
2004	Principal	1,575,000	118,515,000	925,000	121,015,000
	Interest	2,177,093	10,465,166	1,288,948	13,931,207
2005	Principal	1,655,000	7,135,000	965,000	9,755,000
	Interest	2,110,156	8,634,142	1,233,058	11,977,356
2006	Principal	1,735,000	7,525,000	1,015,000	10,275,000
	Interest	2,039,881	8,252,815	1,178,702	11,471,398
2007	Principal	1,820,000	7,935,000	1,070,000	10,825,000
	Interest	1,980,068	7,866,064	1,125,876	10,972,008
2008	Principal	1,920,000	8,355,000	1,125,000	11,400,000
	Interest	1,917,131	7,467,313	1,069,776	10,454,220
2009	Principal	2,020,000	8,795,000	1,185,000	12,000,000
	Interest	1,848,853	7,053,802	1,010,588	9,913,243
2010	Principal	2,115,000	9,255,000	1,235,000	12,605,000
	Interest	1,771,268	6,630,408	947,738	9,349,414
2011	Principal	2,220,000	9,735,000	1,300,000	13,255,000
	Interest	1,685,618	6,170,501	896,892	8,753,011
2012	Principal	2,325,000	10,240,000	1,360,000	13,925,000
	Interest	1,592,393	5,667,965	846,049	8,106,407
2013	Principal	2,435,000	10,770,000	1,425,000	14,630,000
	Interest	1,493,380	5,132,263	791,498	7,417,141
2014	Principal	2,545,000	11,350,000	1,490,000	15,385,000
	Interest	1,374,043	4,564,850	730,036	6,668,929
2015	Principal	2,655,000	11,955,000	1,555,000	16,165,000
	Interest	1,249,330	3,964,225	665,436	5,878,991
2016	Principal	2,775,000	12,595,000	1,625,000	16,995,000
	Interest	1,118,700	3,327,397	597,668	5,043,765
2017	Principal	2,905,000	13,280,000	1,705,000	17,890,000
	Interest	981,615	2,651,507	524,878	4,158,000
2018	Principal	3,040,000	11,435,000	1,790,000	16,265,000
	Interest	837,530	2,005,823	76,000	2,919,353
2019	Principal	3,195,000	10,055,000	1,870,000	15,120,000
	Interest	686,750	1,442,582	365,218	2,494,550
2020	Principal	3,345,000	10,605,000	1,960,000	15,910,000
	Interest	527,000	896,891	282,938	1,706,829
2021	Principal	3,510,000	7,100,000	2,055,000	12,665,000
	Interest	359,750	438,036	194,738	992,524
2022	Principal	3,685,000	4,900,000	2,155,000	10,740,000
	Interest	184,250	138,356	100,208	422,814
2023	Principal		395,000		395,000
	Interest		8,641		8,641
Total Principal		47,475,000	291,930,000	27,810,000	367,215,000
Total Interest		25,934,809	92,778,747	13,926,242	132,639,798
		<u>\$ 73,409,809</u>	<u>\$ 384,708,747</u>	<u>\$41,736,242</u>	<u>\$ 499,854,798</u>

SEWERAGE AND WATER BOARD OF NEW ORLEANS

Property Value, New Construction and Bank Deposits

**Last Ten Fiscal Years
(Unaudited)**

Fiscal Year (3)	New Commercial Construction (1)		New Residential Construction (1)		Bank deposits (2) (in thousands)	Estimated actual Property value (1)
	Number of units	Value (in thousands)	Number of units	Value (in thousands)		
1993	233	70,176	11,358	99,151	6,224,997	10,915,928
1994	904	77,500	2,993	98,675	6,068,343	10,787,818
1995	627	219,679	2,595	105,590	6,267,311	10,711,391
1996	160	28,921	2,163	79,469	7,011,280	11,688,518
1997	900	97,325	2,131	62,761	7,642,589	11,892,583
1998	184	49,028	1,962	104,227	7,965,886	12,237,720
1999	294	78,293	2,089	122,342	7,977,504	12,636,496
2000	325	135,665	2,223	136,686	7,984,473	14,133,694
2001	333	52,103	2,170	11,804	8,225,073	14,751,485
2002	305	76,057	2,371	133,259	7,858,864	15,426,274
2003					8,256,119	

(1) City of New Orleans (2002 latest year for which information is available).

(2) Summary of Deposits (as of June 30, 2003) - bank branches located in New Orleans, source Federal Depository Insurance Corporation.

(3) Information for the year ended December 31, 2003 is unavailable.

SEWERAGE AND WATER BOARD OF NEW ORLEANS

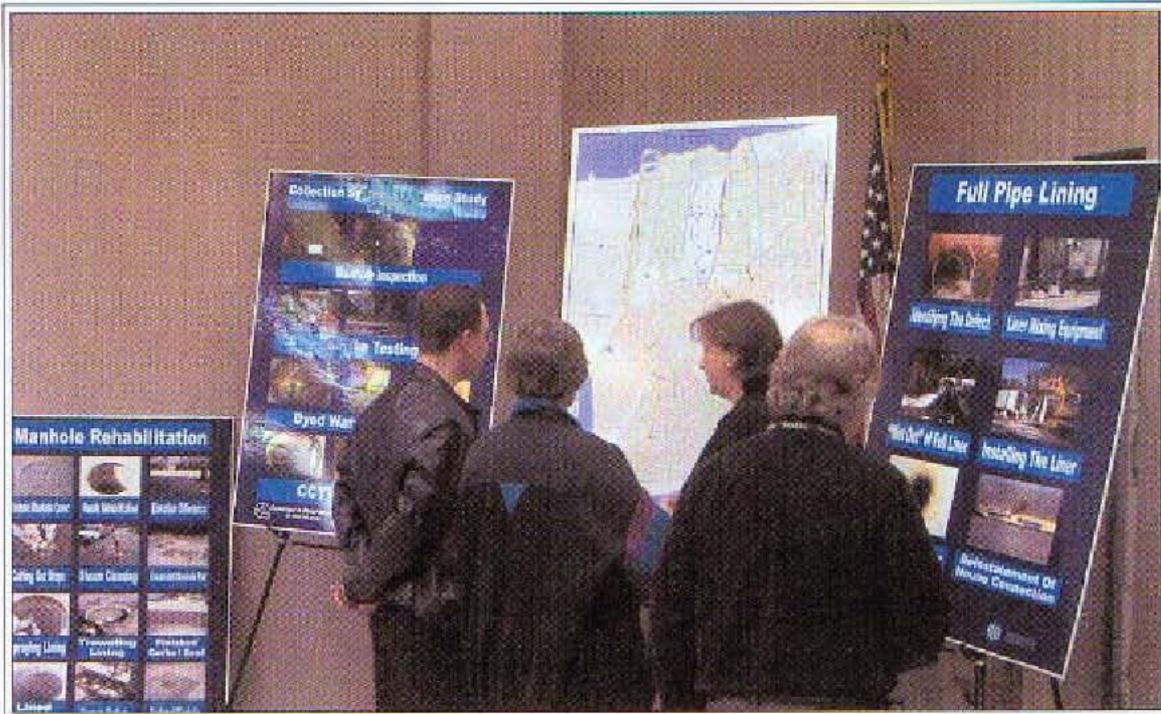
Ten Largest Taxpayers

**December 31, 2003 *
(Unaudited)**

<u>Name of Taxpayer</u>	<u>Type of Business</u>	<u>2002 Assessed Value</u>	<u>Percentage of Total Assessed Value</u>
Entergy Service	Electric and gas utilities	\$75,365,530	4.16%
BellSouth Telecommunications	Telephone utilities	60,994,780	3.37%
Hibernia National Bank	Banking	42,610,750	2.35%
Bank One	Banking	32,623,813	1.80%
Whitney National Bank	Banking	24,145,763	1.33%
Harrah's Entertainment	Casino	23,945,540	1.32%
Tenet	Health & Hospital	18,318,865	1.01%
International River Center	Shopping Mall; Hotel	14,241,180	0.79%
Marriott Hotel Properties	Hotel	13,727,520	0.76%
C S & M Associates	Commerical Real Estate	11,462,858	0.63%
		<u>\$317,436,599</u>	<u>17.51%</u>

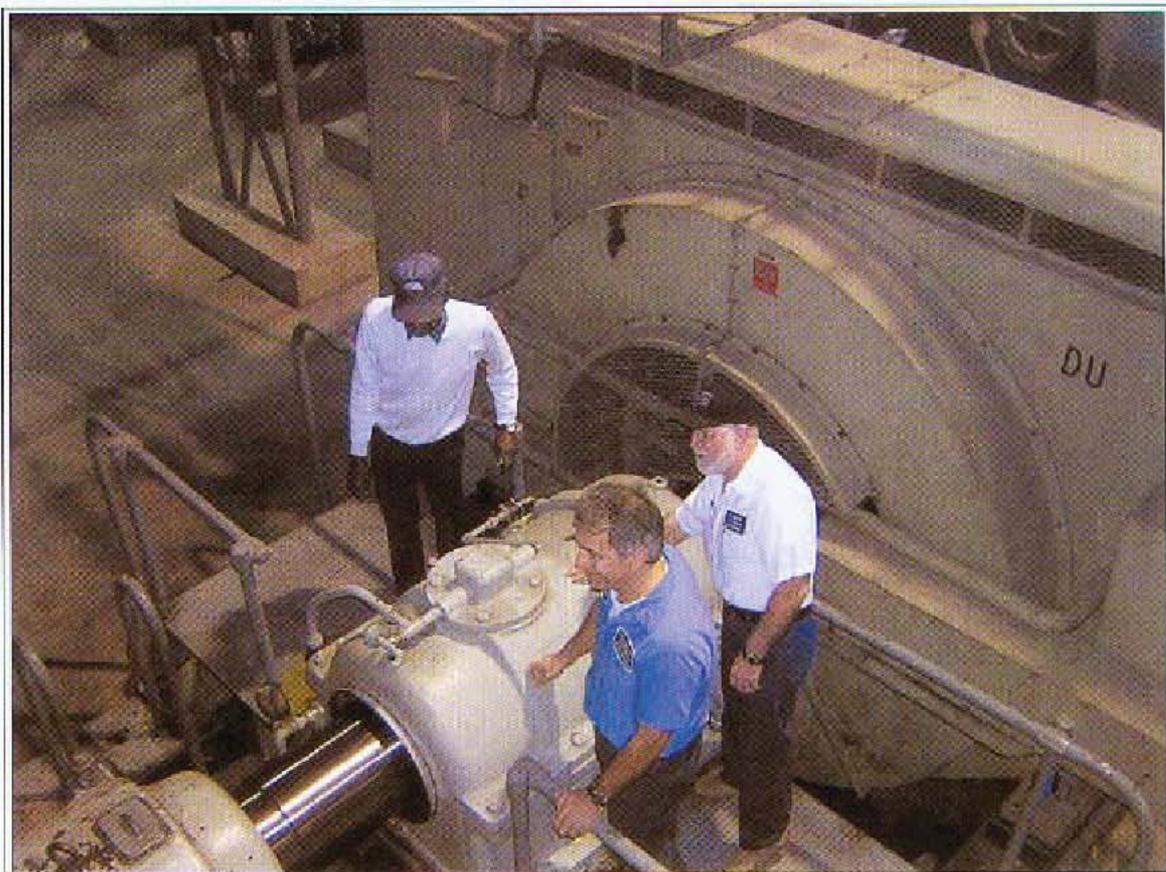
Source: City of New Orleans

(*) The latest date available for the Ten Largest Taxpayers in the City of New Orleans is for the year ended January, 2003



The Sewerage and Water Board conducts quarterly public information meetings in each City Council District to update citizens on crucial water, sewerage and drainage projects in their neighborhoods.

Preventative maintenance is a priority at all S&WB facilities. Inspections, like this one at Station D, are made frequently. The station is a drainage, sewerage and electrical generating facility.



SEWERAGE AND WATER BOARD OF NEW ORLEANS

2003 ACTUAL CAPITAL EXPENDITURES

WATER DEPARTMENT

<u>C.P.#</u>	<u>WATERWORKS</u>		
110	Normal Extension & Replacement	\$	1,979,385.65
118	Modernization of Steam System		2,250.00
135	Improvement of Chemical System		187,248.60
156	Advanced Carrollton Water Treatment		1,118,342.24
157	Advanced Water Treatment (Algiers)		72,797.52
			<hr/>
	TOTAL WATERWORKS	\$	3,360,024.01
	<u>WATER DISTRIBUTION</u>		
214	Normal Extensions and Replacements	\$	1,561,359.16
216	Water System Replacement Program		383,100.00
221	Feeder Main Extension, General		7,725.57
239	Mains in Street Department Contracts		2,627,325.98
			<hr/>
	TOTAL WATER DISTRIBUTION	\$	4,579,510.71
	<u>POWER PROJECTS EMERGENCY AND GENERAL BUDGET</u>		
600	Water Share of Power Projects	\$	67,520.10
800	Water Share of General Budget Items		4,921,624.62
			<hr/>
	TOTAL POWER PROJECTS, EMERGENCY AND GENERAL BUDGET	\$	4,989,144.72
	TOTAL WATER DEPARTMENT	\$	<u>12,928,679.44</u>

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

SEWERAGE AND WATER BOARD OF NEW ORLEANS

2003 ACTUAL CAPITAL EXPENDITURES

SEWERAGE DEPARTMENT

<u>C.P.#</u>	<u>SEWERAGE SYSTEM</u>	
313	Force Mains	\$ 1,810,961.37
317	Normal Extensions & Replacement of Gravity Mains	23,387,719.69
318	Rehabilitation Gravity Sewer System	2,214,182.42
326	Extensions & Replacement to Sewer Pumping Stations	879,961.09
339	Main in Streets Dept. Contracts	3,189,517.13
347	Second Raw Sewage Channel , EBSTP	1,801,443.95
348	Normal Extensions & Replacements	2,561,970.62
358	EBSTP Expansion	409,200.00
367	Collection System Eval/Survey Uptown	<u>2,721,264.01</u>
	TOTAL SEWERAGE SYSTEM	\$ 38,976,220.28
	<u>SEWAGE TREATMENT</u>	
381	Modification & Expansion of WBSTP to MGD	<u>\$ 832,020.40</u>
	TOTAL SEWAGE TREATMENT	\$ 832,020.40
	<u>POWER PROJECTS AND GENERAL BUDGET</u>	
600	Sewerage Share of Power Projects	\$ 53,695.68
800	Sewerage Share of General Budget Items	<u>4,377,143.66</u>
	TOTAL POWER PROJECTS AND GENERAL BUDGET	\$ 4,430,839.34
	TOTAL SEWERAGE DEPARTMENT	<u>\$ 44,239,080.02</u>

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

SEWERAGE AND WATER BOARD OF NEW ORLEANS

2003 ACTUAL CAPITAL EXPENDITURES

DRAINAGE DEPARTMENT

<u>C.P.#</u>	<u>CANALS</u>		
403	Improvements to Vehicular Bridges	\$	127,576.10
404	Washington Ave. Canal Improvemments		138,325.06
418	Normal Extension & Replacements		139,076.63
439	SWB Part Drng Tchoupitoulas Paving Project		1,200,790.25
463	Stormwater Management Plan		21,666.68
471	C.O.E. Drainage Study		2,260,163.60
474	Terpsichore Canal		158,130.63
476	Hollygrove Canals		2,873,456.71
477	Eng. Design-Claiborne Manifold		1,980,660.77
478	S. Claiborne - Lowerline to Monticello Street		1,130,006.40
486	Napoleon Canal Improvements		1,810,897.33
490	Orleans Ave. Canal (SELA)		403,313.61
497	Florida Ave. Canal - Mazant to Peoples		1,055,246.81
498	Dwyer Canal (St. Charles to Dwyer DPS)		14,416.98
499	Jefferson Avenue Canal		1,276,369.83
			<hr/>
	TOTAL DRAINAGE CANALS	\$	14,590,097.39
	<u>PUMPING STATIONS</u>		
511	Normal Extension & Rep./Stations	\$	444,397.91
520	Suction Canal DPS # 19		116,115.50
546	DPS#4 West-Build A 1000 CFS Station		251,517.82
550	Additions to Drainage Pumping Station #1		32,181.59
554	Expansion of Dwyer DPS		603,209.02
555	Design Services for Improvement		64,421.31
570	Pritchard DPS		5,320.70
			<hr/>
	TOTAL DRAINAGE PUMPING STATIONS	\$	1,517,163.85
	<u>POWER PROJECTS AND GENERAL BUDGET</u>		
600	Drainage Share of Power Projects	\$	1,693,173.70
800	Drainage Share of General Budget Items		1,964,227.26
			<hr/>
	TOTAL POWER PROJECTS AND GENERAL BUDGET		3,657,400.96
	TOTAL DRAINAGE DEPARTMENT	\$	<u>19,764,662.20</u>

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

SEWERAGE AND WATER BOARD OF NEW ORLEANS

2003 ACTUAL CAPTIAL EXPENDITURES

<u>POWER PROJECTS</u>					
<u>C.P.#</u>	<u>POWER PROJECTS</u>	<u>Water</u>	<u>Sewerage</u>	<u>Drainage</u>	<u>Total</u>
601	Earhart Blvd. Corridor	\$1,080.00		\$4,320.00	\$5,400.00
603	New Generator for Algiers Plants	37,272.54	37,272.51	8,282.80	82,827.85
609	Normal Extensions & Replacements				
	Radio Equipment	3,860.40	10,096.38	15,738.50	29,695.28
610	Underground Power Feeders			778,332.86	778,332.86
613	Modification of Steam System	15,285.66	3,821.42	57,321.26	76,428.34
614	Replacement of Broiler No. 2	882.00	220.50	3,307.50	4,410.00
624	Normal Extensions & Replacements	9,139.50	2,284.87	34,273.13	45,697.50
696	Switchgear and Motor Control - OPS #12			791,597.65	791,597.65
	TOTAL POWER PROJECTS	<u>\$67,520.10</u>	<u>\$53,695.68</u>	<u>\$1,693,173.70</u>	<u>\$1,814,389.48</u>

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

SEWERAGE AND WATER BOARD OF NEW ORLEANS

2003 ACTUAL CAPITAL EXPENDITURES

<u>GENERAL BUDGET ITEMS</u>					
<u>C.P.#</u>	<u>General Budget Items</u>	<u>Water</u>	<u>Sewerage</u>	<u>Drainage</u>	<u>Total</u>
801	Office Equipment	\$ 1,730.04	\$ 1,730.02	\$ 1,730.04	\$ 5,190.10
803	Property Acquisition			19,837.75	19,837.75
807	Central Yard Improvement	47,078.98	47,078.98	10,462.00	104,619.96
810	Major Equipment Purchases	144,483.60	144,483.60	72,241.80	361,209.00
812	Computer Systems Development	239,035.95	239,035.91	239,035.95	717,107.81
820	Department, Yard and Administrative Expense Charge to Capital	3,864,564.35	3,159,474.00	1,451,653.62	8,475,691.97
823	Purchase of Water Meters	455,074.13	455,074.10		910,148.23
843	Minor Equipment Purchases	169,657.57	169,265.98	169,266.10	508,189.65
860	Supplemental Environmental Projects		161,001.07		161,001.07
	TOTAL GENERAL BUDGET ITEMS	<u>\$ 4,921,624.62</u>	<u>\$ 4,377,143.66</u>	<u>\$ 1,964,227.26</u>	<u>\$ 11,262,995.54</u>

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

**ANALYSIS OF PUMPING AND POWER DEPARTMENT
POWER PURCHASED AND PRODUCED
NATURAL GAS AND FUEL OIL CONSUMED
TEN YEARS 1993 THROUGH 2003**

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	NATURAL GAS MCF	\$ AMOUNT	FUEL GALLONS	OIL \$ AMOUNT
1994	93,704,141	\$6,676,939	54,855,609	\$7,595,021	1,245,108	\$5,793,025	2,303	\$1,958
1995	55,977,302	\$3,775,458	53,028,000	\$7,537,164	1,284,761	\$5,569,915	4,614	\$3,922
1996	56,941,034	\$4,397,111	48,751,200	\$9,540,981	1,392,980	\$7,721,145	2,169	\$1,844
1997	54,669,463	\$4,299,727	52,999,200	\$8,289,555	1,288,540	\$6,463,536	2,652	\$2,254
1998	67,067,145	\$4,765,576	57,715,200	\$8,731,839	1,487,450	\$6,925,346	27,043	\$22,987
1999	64,070,706	\$4,576,866	36,511,704	\$8,860,755	1,487,610	\$6,836,117	9,550	\$8,118
2000	66,150,146	\$5,278,313	33,126,311	\$11,535,367	1,331,330	\$9,646,417	1,239	\$1,053
2001	71,250,220	\$6,290,661	36,569,748	\$10,699,776	1,547,560	\$8,738,028	1,739	\$1,478
2002	67,060,158	\$5,057,629	37,576,656	\$8,175,530	1,455,440	\$6,370,341	17,481	\$14,859
2003	58,271,819	\$4,213,376	37,952,434	\$10,701,490	1,322,240	\$9,214,066	1,149	\$977
TOTAL	655,162,134	\$33,769,989	336,987,224	\$62,090,682	9,517,779	\$48,955,501	49,570	\$42,135

**POWER PURCHASED AND PRODUCED
NATURAL GAS AND FUEL OIL CONSUMED - 2003**

	KW-HOURS	COST
ELECTRIC POWER PURCHASED	58,271,819	\$4,213,376.00
ELECTRIC AND STEAM POWER GENERATED BY THE S. & W.B.*	37,952,434	\$8,175,530.00
TOTAL	96,224,253	\$12,388,906.00

NOTE: *NATURAL GAS CONSUMED IN OPERATION WAS 1,322,240 MCF
AT A COST OF \$9,214,066. FUEL OIL CONSUMED WAS 1,149
AT A COST OF \$977.

**SEWERAGE AND WATER BOARD
OF NEW ORLEANS**

GALLONS METERED - PAY WATER CONSUMPTION 2003

<u>Month</u>	<u>Monthly Consumption</u>
January	1,948,740,400
February	1,330,983,900
March	1,768,804,500
April	1,546,620,900
May	1,742,366,600
June	1,841,254,600
July	1,900,887,700
August	1,851,094,400
September	2,042,911,000
October	1,472,916,500
November	1,708,286,900
December	1,886,219,400
Gross Total	<u><u>21,041,086,800</u></u>

**SEWERAGE AND WATER BOARD OF NEW ORLEANS
MONTHLY WATER CHARGES COLLECTED - 2003**

<u>Months</u>	<u>Water Service Charges & Fees</u>	<u>Delinquent Fees</u>	<u>Total</u>
January	\$4,780,178.05	\$83,522.65	\$4,863,700.70
February	4,732,643.81	92,092.82	4,824,736.63
March	4,364,513.14	67,882.26	4,432,395.40
April	4,591,348.64	72,909.03	4,664,257.67
May	4,290,297.56	79,257.97	4,369,555.53
June	4,310,842.51	74,937.61	4,385,780.12
July	5,049,954.95	91,685.57	5,141,640.52
August	4,625,621.82	84,319.43	4,709,941.25
September	4,717,432.02	94,977.80	4,812,409.82
October	4,836,969.89	102,331.03	4,939,300.92
November	3,644,877.25	80,108.24	3,724,985.49
December	4,836,766.75	92,190.89	4,928,957.64
	<u>\$54,781,446.39</u>	<u>\$1,016,215.30</u>	<u>55,797,661.69</u>

**SEWERAGE AND WATER BOARD OF NEW ORLEANS
MONTHLY SEWERAGE CHARGES COLLECTED - 2003**

<u>Months</u>	<u>Sewerage Service Charges</u>	<u>Delinquent Fees</u>	<u>Total</u>
January	\$4,595,201.06	\$55,824.03	\$4,651,025.09
February	4,968,143.84	61,529.86	5,029,673.70
March	4,542,028.24	45,379.25	4,587,407.49
April	4,830,776.25	48,732.10	4,879,508.35
May	4,518,291.48	52,980.73	4,571,272.21
June	4,525,398.51	50,091.39	4,575,489.90
July	5,298,069.68	61,285.81	5,359,355.49
August	4,766,599.62	56,355.62	4,822,955.24
September	5,077,982.22	63,472.44	5,141,454.66
October	5,630,230.99	68,378.04	5,698,609.03
November	4,303,947.69	53,532.69	4,357,480.38
December	5,803,093.71	61,592.78	5,864,686.49
	<u>\$58,859,763.29</u>	<u>\$679,154.74</u>	<u>\$59,538,918.03</u>

TABLE I
CARROLLTON TURBIDITIES

	River (NTU)					Effluent Settling Reservoirs (NTU)					Filters (NTU)				
	1999	2000	2001	2002	2003	1999	2000	2001	2002	2003	1999	2000	2001	2002	2003
Maximum	276	261	294	312	394	18	10	16	9	8.4	0.28	0.28	0.88	0.49	0.6
Minimum	6	5	5	8	7	0.8	1.1	2.0	0.4	0.4	0.07	0.08	0.07	0.07	0.08
Average	71	52	91	62	52	4.2	3.5	5.0	1.8	1.4	0.12	0.13	0.15	0.16	0.15

TABLE II
CARROLLTON ALKALINITIES
PARTS PER MILLION

	River					Effluent Settling Reservoirs					Filters				
	1999	2000	2001	2002	2003	1999	2000	2001	2002	2003	1999	2000	2001	2002	2003
Maximum	172	159	158	155	140	163	154	150	144	118	140	129	125	141	115
Minimum	84	82	78	79	70	72	65	70	61	60	65	61	55	55	58
Average	132	120	116	111	103	122	111	109	86	85	103	93	91	85	84

TABLE II A
CARROLLTON HARDNESS
PARTS PER MILLION

	NON-CARBONATE HARDNESS										TOTAL HARDNESS						
	RIVER					FILTERS					RIVER			FILTERS			
	1999	2000	2001	2002	2003	1999	2000	2001	2002	2003	1999	2000	2001	2002	2003	2002	2003
Maximum	70	72	59	66	64	83	79	75	68	77	221	203	202	187	177	190	171
Minimum	15	21	15	11	12	35	37	31	24	36	118	118	103	108	98	105	106
Average	44	43	38	34	38	55	56	51	48	55	175	164	155	144	142	133	139

TABLE III
CARROLLTON BACTERIAL CHARACTERISTICS
Total Coliform Analysis

2003	River	Plant Tap	Distribution System
Maximum (Colonies / 100 ml)	9,000	0	2
Minimum (Colonies / 100 ml)	50	0	0
Average (colonies / 100 ml)	1,480	0	0
Number of Samples	346	355	2,216
Number of Samples Negative	0	355	2,214
Number of Samples Positive	346	0	2*

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

TABLE IV-A

PRINCIPLE RESULTS OF OPERATION OF THE G3 CONVENTIONAL UNIT AT THE CARROLLTON WATER PURIFICATION PLANT FOR THE YEAR ENDING December 31, 2003

1	2	3	4	5	6	7	8	9	10	11	12	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	Total Pounds of Lime used During Month	Lime 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	0.00	0	0.00	0	0.00	0	0.00	152	103	
	Min.		0.00		0.00		0.00		0.00		0.00	37	80	
	Avg.		0.00		0.00		0.00		0.00		84	90		
February	Max.	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	394	126	
	Min.		0.00		0.00		0.00		0.00		20	77		
	Avg.		0.00		0.00		0.00		0.00		72	108		
March	Max.	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	194	94	
	Min.		0.00		0.00		0.00		0.00		42	70		
	Avg.		0.00		0.00		0.00		0.00		91	78		
April	Max.	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	111	114	
	Min.		0.00		0.00		0.00		0.00		35	93		
	Avg.		0.00		0.00		0.00		0.00		58	101		
May	Max.	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	96	107	
	Min.		0.00		0.00		0.00		0.00		24	77		
	Avg.		0.00		0.00		0.00		0.00		56	93		
June	Max.	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	72	105	
	Min.		0.00		0.00		0.00		0.00		27	86		
	Avg.		0.00		0.00		0.00		0.00		47	96		
July	Max.	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	80	119	
	Min.		0.00		0.00		0.00		0.00		16	93		
	Avg.		0.00		0.00		0.00		0.00		42	108		
August	Max.	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	47	127	
	Min.		0.00		0.00		0.00		0.00		9	111		
	Avg.		0.00		0.00		0.00		0.00		22	118		
September	Max.	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	56	140	
	Min.		0.00		0.00		0.00		0.00		7	94		
	Avg.		0.00		0.00		0.00		0.00		24	111		
October	Max.	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	20	131	
	Min.		0.00		0.00		0.00		0.00		7	105		
	Avg.		0.00		0.00		0.00		0.00		13	115		
November	Max.	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	96	136	
	Min.		0.00		0.00		0.00		0.00		7	107		
	Avg.		0.00		0.00		0.00		0.00		18	123		
December	Max.	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	141	120	
	Min.		0.00		0.00		0.00		0.00		48	85		
	Avg.		0.00		0.00		0.00		0.00		90	101		
Total		0.00		0		0		0		0		394	140	
General	Max.	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	7	70	
	Min.	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	7	70	
	Avg.	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	51	104	

TABLE IV-B

PRINCIPLE RESULTS OF OPERATION OF THE G4 CONVENTIONAL UNIT AT THE CARROLLTON WATER PURIFICATION PLANT FOR THE YEAR ENDING
December 31, 2003

1	2	3	4	5	6	7	8	9	10	11	12	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	Total Pounds of Lime used During Month	Lime Parts Per Million	NTU Turbidity of River Water	PPM Alkalinity of River Water	NTU Turbidity of Unit Effluent
January	Max.	2,707.10	101.79	19,577	1.27	105,686	5.25	118,162	5.78	0	0.00	152	103	13.1
	Min.		65.71		0.10		3.73		4.13		0.00	37	80	2.4
	Avg.		87.33		0.87		4.69		5.25		0.00	84	90	5.6
February	Max.	1,923.67	79.04	21,508	1.62	79,995	5.39	89,427	5.73	0	0.00	394	126	11.5
	Min.		59.13		0.90		4.82		5.13		0.00	20	77	2.1
	Avg.		68.70		1.35		4.99		5.57		0.00	72	108	3.9
March	Max.	2,265.41	84.75	17,072	1.57	83,521	5.02	94,248	5.60	0	0.00	194	94	7.2
	Min.		60.71		0.75		2.15		4.11		0.00	42	70	2.2
	Avg.		73.08		0.91		4.43		5.00		0.00	91	78	4.4
April	Max.	2,393.91	96.96	15,323	0.94	87,707	4.54	99,907	5.27	0	0.00	111	114	4.2
	Min.		64.92		0.63		3.96		4.68		0.00	35	93	1.5
	Avg.		79.80		0.78		4.39		5.00		0.00	58	101	2.5
May	Max.	2,988.03	105.42	18,862	1.19	111,116	4.82	126,309	6.10	0	0.00	96	107	8.1
	Min.		85.67		0.54		4.17		4.71		0.00	24	77	1.0
	Avg.		96.39		0.76		4.46		5.07		0.00	56	93	2.6
June	Max.	2,487.63	96.50	18,602	1.10	93,070	4.82	104,913	5.20	0	0.00	72	105	5.4
	Min.		72.38		0.75		4.29		4.83		0.00	27	86	1.6
	Avg.		82.92		0.90		4.49		5.06		0.00	47	96	2.7
July	Max.	2,138.21	92.29	15,469	1.37	80,959	5.67	90,887	5.23	0	0.00	80	119	5.5
	Min.		61.17		0.47		4.29		4.95		0.00	16	93	1.7
	Avg.		66.01		0.52		4.49		5.10		0.00	42	108	3.1
August	Max.	1,812.09	65.46	8,950	0.75	67,227	4.64	76,237	5.44	0	0.00	47	127	5.2
	Min.		50.67		0.53		4.09		4.66		0.00	9	111	1.8
	Avg.		59.34		0.59		4.42		5.02		0.00	22	118	3.1
September	Max.	1,819.10	80.75	8,644	0.69	67,589	4.60	76,485	5.21	0	0.00	56	140	6.5
	Min.		50.21		0.43		4.28		4.81		0.00	7	94	2.1
	Avg.		60.64		0.58		4.46		5.04		0.00	24	111	3.5
October	Max.	2,270.01	89.83	9,049	0.67	65,656	4.24	75,204	5.08	0	0.00	20	131	4.4
	Min.		72.67		0.41		3.02		3.71		0.00	7	105	1.5
	Avg.		78.91		0.45		3.45		3.96		0.00	13	115	2.8
November	Max.	2,489.88	89.46	12,188	1.00	60,789	3.54	68,684	4.00	0	0.00	96	136	5.8
	Min.		76.25		0.41		1.95		2.21		0.00	7	107	0.8
	Avg.		83.00		0.59		2.92		3.29		0.00	18	123	2.6
December	Max.	2,591.88	99.50	14,220	0.84	73,628	3.56	83,062	4.02	0	0.00	141	120	5.8
	Min.		77.46		0.48		3.32		3.87		0.00	48	85	2.3
	Avg.		82.73		0.61		3.49		3.93		0.00	90	101	4.2
Total		27,886.89		179,464		976,943		1,103,526		0				
General	Max.	2,988.03	105.42	21,508	1.62	111,116	5.67	126,309	6.10	0	0.00	394	140	13.1
	Min.	1,812.09	50.21	8,644	0.10	60,789	1.95	68,684	2.21	0	0.00	7	70	0.8
	Avg.	2,196.59	76.40	14,955	0.77	81,412	4.20	91,960	4.74	0	0.00	51	104	3.4

TABLE IV-C

PRINCIPLE RESULTS OF OPERATION OF THE L3 CONVENTIONAL UNIT AT THE CARROLLTON WATER PURIFICATION PLANT FOR THE YEAR ENDING
December 31, 2003

1	2	3	4	5	6	7	8	9	10	11	12	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	Total Pounds of Lime used During Month	Lime Parts Per Million	NTU Turbidity of River Water	PPM Alkalinity of River Water	NTU Turbidity of Unit Effluent
January	Max.	1,016.87	37.50	11,508	1.58	0	0.00	70,244	9.14	941,065	140.48	152	103	23.0
	Min.		28.63		0.96		0.00		7.04		81.63	37	80	3.0
	Avg.		32.80		1.36		0.00		8.31		111.75	84	90	9.2
February	Max.	1,141.34	43.67	12,157	1.56	0	0.00	67,270	8.81	1,092,923	130.13	394	126	28.0
	Min.		35.00		1.00		0.00		5.55		93.95	20	77	3.2
	Avg.		40.76		1.28		0.00		7.08		114.80	72	108	15.8
March	Max.	1,094.15	40.67	9,773	1.69	0	0.00	44,199	6.35	897,232	123.07	194	94	21.0
	Min.		32.29		0.91		0.00		3.90		74.76	42	70	2.5
	Avg.		35.30		1.08		0.00		4.86		98.56	91	78	11.4
April	Max.	982.11	36.92	8,775	1.22	0	0.00	35,741	4.59	1,025,828	151.49	111	114	12.4
	Min.		28.63		0.92		0.00		4.14		99.87	35	93	2.4
	Avg.		32.74		1.08		0.00		4.37		125.94	58	101	4.9
May	Max.	1,140.06	48.61	10,794	1.96	0	0.00	41,321	4.57	1,146,898	143.42	96	107	11.0
	Min.		29.17		0.72		0.00		4.06		93.86	24	77	1.9
	Avg.		36.78		1.15		0.00		4.35		122.07	56	93	4.1
June	Max.	1,169.80	43.00	10,647	1.52	0	0.00	42,872	4.69	1,136,868	149.47	72	105	5.2
	Min.		32.71		0.93		0.00		4.20		103.95	27	86	1.7
	Avg.		38.99		1.10		0.00		4.39		116.95	47	96	3.4
July	Max.	832.45	50.25	7,433	1.53	0	0.00	30,288	4.89	818,955	147.97	80	119	10.3
	Min.		13.16		0.45		0.00		4.21		87.13	16	93	0.8
	Avg.		36.19		1.07		0.00		4.38		118.95	42	108	3.3
August	Max.	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	47	127	
	Min.		0.00		0.00		0.00		0.00		0.00	9	111	
	Avg.		0.00		0.00		0.00		0.00		0.00	22	118	
September	Max.	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	56	140	
	Min.		0.00		0.00		0.00		0.00		0.00	7	94	
	Avg.		0.00		0.00		0.00		0.00		0.00	24	111	
October	Max.	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	20	131	
	Min.		0.00		0.00		0.00		0.00		0.00	7	105	
	Avg.		0.00		0.00		0.00		0.00		0.00	13	115	
November	Max.	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	96	136	
	Min.		0.00		0.00		0.00		0.00		0.00	7	107	
	Avg.		0.00		0.00		0.00		0.00		0.00	18	123	
December	Max.	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	141	120	
	Min.		0.00		0.00		0.00		0.00		0.00	48	85	
	Avg.		0.00		0.00		0.00		0.00		0.00	90	101	
Total		7,376.77		71,087		0		331,936		7,059,769				
General	Max.	1,169.80	50.25	12,157	1.96	0	0.00	70,244	9.14	1,146,898	151.49	394	140	28.0
	Min.	832.45	13.16	7,433	0.45	0	0.00	30,288	3.90	818,955	74.76	7	70	0.8
	Avg.	1,053.82	35.64	10,155	1.16	0	0.00	47,419	5.40	1,008,538	114.75	51	104	7.4

TABLE IV-D

PRINCIPLE RESULTS OF OPERATION OF THE L4 CONVENTIONAL UNIT AT THE CARROLLTON WATER PURIFICATION PLANT FOR THE YEAR ENDING
December 31, 2003

1	2	3	4	5	6	7	8	9	10	11	12	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	Total Pounds of Lime During Month	Lime 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	0.00	0	0.00	0	0.00	0	0.00	152	103	
	Min.		0.00		0.00		0.00		0.00		0.00	37	80	
	Avg.		0.00		0.00		0.00		0.00		0.00	84	90	
February	Max.	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	394	126	
	Min.		0.00		0.00		0.00		0.00		0.00	20	77	
	Avg.		0.00		0.00		0.00		0.00		0.00	72	108	
March	Max.	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	194	94	
	Min.		0.00		0.00		0.00		0.00		0.00	42	70	
	Avg.		0.00		0.00		0.00		0.00		0.00	91	78	
April	Max.	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	111	114	
	Min.		0.00		0.00		0.00		0.00		0.00	35	93	
	Avg.		0.00		0.00		0.00		0.00		0.00	58	101	
May	Max.	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	96	107	
	Min.		0.00		0.00		0.00		0.00		0.00	24	77	
	Avg.		0.00		0.00		0.00		0.00		0.00	56	93	
June	Max.	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	72	105	
	Min.		0.00		0.00		0.00		0.00		0.00	27	86	
	Avg.		0.00		0.00		0.00		0.00		0.00	47	96	
July	Max.	385.82	45.00	1,422	0.48	0	0.00	14,147	4.89	373,363	125.53	80	119	
	Min.		26.32		0.44		0.00		4.22		105.02	16	93	
	Avg.		42.87		0.44		0.00		4.42		115.79	42	108	
August	Max.	1,388.54	45.42	5,127	0.51	0	0.00	50,691	4.47	1,792,316	189.19	47	127	6.2
	Min.		43.13		0.43		0.00		4.21		99.79	9	111	0.5
	Avg.		44.79		0.44		0.00		4.38		154.91	22	118	1.4
September	Max.	1,354.58	48.54	4,949	0.48	0	0.00	49,326	4.42	1,776,340	197.98	56	140	2.9
	Min.		41.04		0.41		0.00		4.23		121.66	7	94	0.7
	Avg.		45.15		0.44		0.00		4.37		157.45	24	111	1.1
October	Max.	1,377.30	52.08	5,184	0.61	0	0.00	49,890	4.60	1,812,180	206.77	20	131	3.0
	Min.		32.95		0.40		0.00		3.44		113.80	7	105	0.8
	Avg.		44.43		0.45		0.00		4.34		158.65	13	115	1.6
November	Max.	1,193.71	44.00	6,978	1.24	0	0.00	43,767	4.79	1,540,084	174.47	96	136	14.0
	Min.		31.67		0.50		0.00		4.28		114.67	7	107	0.8
	Avg.		39.79		0.71		0.00		4.40		154.80	18	123	3.2
December	Max.	1,135.25	44.00	8,140	1.17	0	0.00	51,215	6.34	1,285,730	301.24	141	120	17.2
	Min.		22.79		0.59		0.00		4.46		94.75	48	85	2.0
	Avg.		36.62		0.86		0.00		5.41		138.54	90	101	6.8
Total		6,835.20		31,800		0		259,036		8,580,013				
General	Max.	1,388.54	52.08	8,140	1.24	0	0.00	51,215	6.34	1,812,180	301.24	394	140	17.2
	Min.	385.82	22.79	1,422	0.40	0	0.00	14,147	3.44	373,363	94.75	7	70	0.5
	Avg.	1,139.20	43.26	5,300	0.56	0	0.00	43,173	4.54	1,430,002	150.51	51	104	2.8

TABLE IV-E

MONTHLY SUMMARY OF COMBINED OPERATION OF CONVENTIONAL UNITS AT THE CARROLLTON WATER PURIFICATION PLANT FOR THE YEAR ENDING
December 31, 2003

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
																	Total M.G.	M.G.D.	
January	Max	3,722.55	132.09	31,065	105,666	24,978	0.94	188,406	941,065	170,458	5.73	34,091	1.15	16,387	0.56	115	3,768.33	135.92	
	Min		99.38				0.63				5.25		1.06		0.50			67	111.17
	Avg		120.08				0.81				5.49		1.10		0.53			86	121.56
February	Max	3,065.01	116.79	33,665	79,995	19,491	0.90	156,697	1,092,923	139,542	5.65	28,036	1.15	13,623	0.56	101	3,059.63	118.46	
	Min		99.79				0.00				5.23		1.05		0.52			67	95.00
	Avg		109.46				0.76				5.47		1.10		0.53			84	109.27
March	Max	3,358.58	117.88	26,845	83,521	22,831	0.93	138,447	887,232	153,532	5.62	30,779	1.12	14,689	0.54	105	3,364.38	117.79	
	Min		93.00				0.69				5.21		1.05		0.50			58	93.00
	Avg		108.37				0.82				5.48		1.10		0.53			72	108.53
April	Max	3,376.05	130.88	24,088	87,707	22,508	0.98	135,848	1,025,828	180,405	6.06	32,187	1.22	14,603	0.54	112	3,448.52	130.67	
	Min		101.38				0.30				5.12		1.07		0.49			74	96.33
	Avg		112.54				0.80				5.89		1.14		0.53			88	114.88
May	Max	4,126.13	144.26	29,656	111,116	25,935	0.91	167,630	1,146,898	204,929	6.12	41,060	1.22	18,094	0.54	93	3,772.29	135.50	
	Min		117.54				0.61				5.67		1.14		0.51			65	113.33
	Avg		133.17				0.76				5.85		1.19		0.53			80	121.68
June	Max	3,657.44	136.58	29,249	93,073	24,758	0.97	147,785	1,136,868	183,221	6.14	36,674	1.23	16,156	0.54	92	3,313.54	129.04	
	Min		110.33				0.68				5.97		1.18		0.51			69	97.75
	Avg		121.91				0.81				6.01		1.20		0.53			78	110.45
July	Max	3,356.49	128.88	24,324	80,959	25,915	1.03	135,322	1,192,318	193,792	7.34	36,791	1.48	14,830	0.54	104	3,597.54	128.38	
	Min		89.33				0.26				6.02		1.20		0.50			67	91.75
	Avg		108.27				0.88				6.94		1.39		0.53			84	118.05
August	Max	3,204.86	110.46	14,077	67,227	27,009	1.13	126,928	1,782,316	185,767	7.12	37,168	1.42	14,076	0.54	95	3,668.63	127.21	
	Min		80.75				0.82				6.39		1.33		0.50			78	104.75
	Avg		103.38				0.98				6.96		1.39		0.53			87	118.28
September	Max	3,173.71	125.75	13,593	67,589	25,295	0.98	125,811	1,776,340	184,187	7.05	37,049	1.46	13,930	0.54	98	3,353.83	123.21	
	Min		94.71				0.69				6.63		1.38		0.51			65	101.29
	Avg		105.79				0.90				6.96		1.40		0.53			83	111.79
October	Max	3,647.35	131.99	14,233	65,656	25,262	0.99	125,094	1,812,180	198,525	7.03	40,100	1.41	16,011	0.56	102	3,469.11	121.63	
	Min		92.00				0.64				5.98		1.19		0.48			77	99.20
	Avg		117.66				0.87				6.55		1.32		0.53			88	111.91
November	Max	3,683.60	128.54	18,168	80,789	19,311	0.78	112,451	1,540,084	178,154	6.01	36,081	1.28	16,170	0.54	105	3,361.80	122.88	
	Min		107.92				0.63				5.45		1.12		0.51			80	100.96
	Avg		122.79				0.69				5.80		1.17		0.53			97	112.06
December	Max	3,727.16	128.38	22,360	73,628	20,426	0.66	134,277	1,285,730	176,842	6.04	35,848	1.26	16,456	0.56	98	3,472.28	122.32	
	Min		113.42				0.57				5.15		1.09		0.49			71	92.12
	Avg		120.23				0.71				5.88		1.15		0.53			82	112.01
Total		42,101.93		282,351	976,943	283,717		1,694,497	15,639,782	2,129,154		427,842		185,427			41,645.9		
General	Max	4,128.13	144.26	33,865	111,116	27,009	1.13	188,406	1,812,180	204,929	7.34	41,060	1.48	18,094	0.56	115	3,772.29	135.92	
	Min	3,065.01	80.75	13,593	60,789	19,311	0.00	112,451	887,232	139,542	5.12	28,036	1.06	13,623	0.48	58	3,059.63	91.75	
	Avg	3,508.49	115.35	23,529	81,412	23,643	0.81	141,208	1,303,315	177,430	6.06	35,654	1.22	15,452	0.53	84	3,470.49	114.10	

TABLE V

PRINCIPLE RESULTS OF OPERATION OF THE ALGIERS WATER PURIFICATION PLANT FOR THE YEAR ENDING: December 31, 2003

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21		
																				Total M.G.D.	M.G.D.	
Month		Low Lift Total Million Gallons of Water Treated During Month	Amount of Water Treated Million Gallons Per 24 Hours	Total Pounds of Polyelectrolyte Used During Month	Polyelectrolyte Parts Per Million	Total Pounds of Fluoride (100%) Used During Month	Fluoride Parts Per Million	Total Pounds of Pure Iron (Fe) used During Month	Pure Iron (Fe) Parts Per Million	Total Pounds of Lime Used During Month	Lime Parts Per Million	Total Pounds of Anhydrous Ammonia Used During Month	Total Pounds of Anhydrous Ammonia Parts Per Million	Total Pounds of Chlorine Used During Month	Chlorine Parts Per Million	Calgon Total Pounds Polyphosphate Used During Month	Calgon Polyphosphate Parts Per Million	NTU Turbidity of Clarifier Effluent	PPM Clear Well Alkalinity of Filter Effluent	High Lift Pumpage		
January	Max Min Avg	313.94	13.16 8.00 10.13	12.145	4.92 3.72 4.61	1,417	0.79 0.41 0.54	16,336	8.20 4.76 6.32	76,970	50.33 10.44 29.92	2,617	1.12 0.90 1.03	15,691	6.73 5.40 6.00	1,284	0.87 0.25 0.49	7.8 0.7 3.4	110 84 96	315.58	12.10 9.05 10.18	
February	Max Min Avg	270.09	10.00 8.00 9.65	10,425	4.75 4.21 4.63	1,247	0.70 0.50 0.56	15,862	8.77 6.08 7.09	80,162	54.98 19.86 35.56	2,321	1.15 0.85 1.03	13,843	6.89 5.75 6.15	1,330	0.70 0.48 0.59	4.0 1.0 1.9	121 83 97	276.46	10.49 8.98 9.87	
March	Max Min Avg	298.84	10.00 8.00 9.64	11,586	4.7 3.72 4.68	1,422	0.70 0.49 0.57	16,804	8.56 5.46 6.80	60,644	35.11 14.17 24.45	2,632	1.21 1.02 1.06	15,803	7.29 6.00 6.35	1,440	1.00 0.45 0.58	1.5 0.4 0.9	93 64 80	293.12	10.33 8.48 9.46	
April	Max Min Avg	304.00	11.84 8.00 10.13	11,025	4.7 4.59 4.65	1,447	0.75 0.53 0.62	15,525	8.29 4.51 6.65	130,363	70.14 35.11 54.93	2,675	1.32 0.96 1.14	16,047	7.91 5.76 6.82	1,480	0.99 0.41 0.63	1.5 0.5 0.9	78 59 67	284.05	10.53 8.89 9.47	
May	Max Min Avg	328.94	13.00 8.00 10.61	12,773	4.85 4.59 4.65	1,485	0.75 0.44 0.55	17,512	8.81 4.59 6.46	147,065	80.21 34.84 53.93	3,103	1.27 0.97 1.13	18,443	7.56 5.90 6.70	1,532	0.75 0.36 0.56	1.8 0.8 1.1	79 52 58	336.18	12.07 9.43 10.84	
June	Max Min Avg	303.97	13.00 8.00 10.13	11,624	4.66 4.18 4.43	1,565	0.81 0.48 0.62	16,380	8.24 4.94 6.54	132,957	64.39 42.22 52.62	2,952	1.48 0.96 1.17	17,661	9.07 5.76 7.01	1,366	0.77 0.40 0.55	2.4 0.7 1.2	86 48 66	302.27	11.81 9.30 10.07	
July	Max Min Avg	322.17	12.00 8.00 10.39	12,138	5.14 4.22 4.53	1,546	0.72 0.50 0.58	15,932	8.26 5.24 5.99	167,923	87.41 48.42 62.24	3,060	1.38 0.93 1.15	18,336	8.21 5.78 6.88	1,300	0.88 0.34 0.49	4.6 0.9 2.2	94 50 65	319.16	11.41 8.70 10.30	
August	Max Min Avg	353.76	12.92 9.00 11.41	12,211	4.26 3.27 4.14	1,696	0.72 0.50 0.58	18,292	8.95 5.16 6.25	180,312	70.05 54.15 61.16	3,150	1.24 0.96 1.07	18,928	7.42 5.80 6.43	1,400	0.89 0.27 0.48	7.5 1.6 3.4	65 51 57	326.38	11.12 9.75 10.53	
September	Max Min Avg	311.60	13.08 8.00 10.40	10,769	4.63 3.79 4.17	1,836	1.09 0.51 0.73	17,015	9.69 5.15 6.77	140,762	70.14 45.54 54.45	3,065	1.41 1.01 1.20	18,379	8.45 6.00 7.20	1,320	1.00 0.31 0.53	1.5 0.9 1.2	75 54 64	305.61	12.26 9.55 10.20	
October	Max Min Avg	292.30	11.50 8.00 9.43	10,092	4.28 3.74 4.17	1,459	0.78 0.45 0.60	15,725	8.00 4.81 6.50	143,448	65.04 54.96 58.91	3,007	1.38 1.12 1.24	18,037	8.30 6.71 7.43	1,360	0.93 0.42 0.56	2.1 0.6 1.6	79 53 68	307.23	11.18 8.97 9.91	
November	Max Min Avg	283.72	11.42 8.00 9.46	8,965	3.83 3.74 3.78	1,446	0.88 0.50 0.62	15,640	8.42 5.33 6.70	152,419	73.39 44.96 64.31	2,948	1.38 1.14 1.25	17,681	9.17 6.83 7.53	1,470	0.92 0.42 0.63	3.2 0.8 1.3	81 61 70	307.74	11.28 8.70 10.26	
December	Max Min Avg	290.06	11.08 8.00 9.36	9,168	3.83 3.75 3.79	1,124	0.57 0.38 0.47	15,560	9.01 4.33 6.48	103,221	62.06 32.29 42.48	2,783	1.29 1.02 1.15	16,720	7.87 6.12 6.93	1,050	0.70 0.34 0.44	5.9 0.8 1.8	89 67 76	307.08	10.84 9.20 9.92	
Total		3,673.39		132,921		17,690		196,583		1,516,246		34,313		205,569		16,332					3,680.86	
General	Max Min Avg	353.76 270.09 306.12	13.16 8.00 10.06	12,773 8,965 11,077	5.14 3.27 4.34	1,836 1,124 1,474	1.09 0.38 0.58	18,292 15,525 16,382	9.69 4.33 6.42	1,516,246	87.41 10.44 49.49	3,150 2,321 2,859	1.48 0.85 1.12	18,928 13,843 17,131	9.17 5.40 6.71	1,532 1,050 1,361	1.00 0.25 0.53	7.8 0.4 1.7	121 48 72.0	3,680.86	12.26 8.48 10.08	

TABLE VI-A

MONTHLY SUMMARY OF NEW ORLEANS FILTER OPERATIONS FOR THE YEAR ENDING: December 31, 2003

1	2	3		4		5		6		7		8		9		10		11											
		Total Million Gallons Water Filtered During Month		Total Number of Runs		Length of Runs 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		Million Gallons Filtered Per Acre Per Day											
Month		Old	New	Old	New	Old	New	Old	New	Old	New	Old	New	Old	New	Old	New	Old	New										
January	Max	1,569,450	2,161,177	117	74	197	235	24,500	49,071	2,038	4,327	36,747	51,400	0.314	0.695	5.38	3.81	62,037	71,797										
	Min					27	99	5,838	18,239							1.28	1.42												
	Avg					158	162	13,414	29,205							2.34	2.35												
February	Max	1,493,196	1,585,225	113	62	215	212	20,875	40,812	2,059	3,299	28,730	40,700	0.254	0.656	4.25	4.01	62,676	54,744										
	Min					138	130	5,966	16,355							1.22	1.61												
	Avg					154	165	13,214	25,568							1.92	2.57												
March	Max	1,533,676	1,678,405	125	60	249	235	25,250	44,220	1,991	3,625	33,491	39,500	0.279	0.658	7.27	4.38	60,606	60,153										
	Min					46	116	3,833	14,998							1.10	1.49												
	Avg					154	165	12,781	27,940							2.18	2.36												
April	Max	1,392,404	2,062,905	109	64	191	234	21,125	58,088	2,071	4,204	30,547	42,700	0.280	0.667	3.20	3.37	63,053	69,761										
	Min					105	138	8,750	19,813							1.33	1.15												
	Avg					148	184	12,774	32,233							2.19	2.07												
May	Max	1,601,882	2,210,741	118	66	204	216	20,875	45,364	2,219	4,701	36,397	43,200	0.308	0.655	3.13	4.70	64,807	78,011										
	Min					118	86	9,833	13,833							1.48	1.40												
	Avg					153	171	13,575	33,436							2.26	1.90												
June	Max	1,538,298	1,812,406	122	70	192	266	18,000	43,039	2,128	3,911	37,468	42,822	0.264	0.612	8.88	4.16	64,776	64,897										
	Min					46	114	3,833	14,700							1.46	1.42												
	Avg					142	159	12,593	25,882							2.09	2.38												
July	Max	1,605,419	1,850,640	123	68	177	280	21,125	45,542	2,175	3,983	38,374	45,800	0.312	0.674	15.60	5.68	66,207	66,093										
	Min					24	112	2,000	11,868							1.48	1.48												
	Avg					144	164	13,052	27,215							2.39	2.48												
August	Max	1,644,149	2,092,235	124	66	168	286	18,000	53,626	2,225	4,203	41,253	45,400	0.333	0.688	5.08	2.93	67,729	69,744										
	Min					118	137	6,552	22,831							1.65	1.25												
	Avg					143	181	13,258	31,701							2.51	3.39												
September	Max	1,585,071	1,805,127	120	64	191	234	20,875	40,188	2,142	3,812	43,964	43,400	0.366	0.678	7.37	4.08	65,203	63,252										
	Min					101	129	4,966	16,618							1.76	1.68												
	Avg					148	178	13,209	28,205							2.78	2.40												
October	Max	1,710,607	1,686,475	127	56	196	314	20,250	45,393	2,072	3,785	34,650	44,000	0.273	0.688	4.75	30.06	63,072	62,476										
	Min					46	17	5,750	2,287							1.32	1.52												
	Avg					156	192	13,469	30,116							2.03	2.28												
November	Max	1,721,818	1,687,942	116	66	215	277	23,750	48,187	2,071	3,700	35,592	52,600	0.307	0.733	3.87	9.90	63,041	61,398										
	Min					145	43	7,924	7,405							1.29	1.60												
	Avg					172	161	14,843	24,823							2.07	3.00												
December	Max	1,738,318	1,750,901	121	66	263	257	24,000	47,368	2,075	3,597	45,043	47,700	0.372	0.723	6.20	6.42	63,183	59,689										
	Min					72	95	6,000	11,263							1.55	1.53												
	Avg					166	177	14,349	26,529							2.59	2.73												
Total		19,130,264	22,382,179	1,435	784							442,255	539,422																
General	Max	1,738,318	2,210,741	127	74	263	314	25,250	58,088	2,225	4,701	45,043	52,800	0.372	0.733	15.60	30.06	67,729	78,011										
	Min					1,392,404	1,585,225	109	56							24	17			2,000	2,287	1,991	3,299	28,730	39,500	0.254	0.612	1.10	1.15
	Avg					1,594,190	1,865,182	120	65							153	175			13,378	28,577	2,106	3,927	36,855	44,952	0.305	0.677	2.28	2.49

TABLE VI-B

MONTHLY SUMMARY OF ALGIERS FILTER OPERATIONS FOR THE YEAR ENDING: December 31, 2003

1	2	3	4	5	6	7	8	9	10
Month		Total Million Gallons Water Filtered During Month of Runs	Total Number of Runs	Length of Runs 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.	321.23	54	189	7,521	0.86	9.67	0.179	4.48
	Min.			141	4,043				2.38
	Avg.			167	5,949				3.01
February	Max.	267.53	47	224	7,083	0.80	8.28	0.176	5.56
	Min.			143	3,167				2.49
	Avg.			168	5,692				3.09
March	Max.	282.81	54	172	7,125	0.76	9.06	0.112	3.23
	Min.			163	3,479				1.58
	Avg.			158	5,237				2.14
April	Max.	301.37	54	172	7,125	0.84	9.51	0.176	5.00
	Min.			164	3,459				4.05
	Avg.			167	5,581				3.15
May	Max.	312.2	51	214	7,791	0.84	8.98	0.176	4.40
	Min.			146	4,001				2.26
	Avg.			170	6,141				2.87
June	Max.	299.31	51	219	7,396	0.83	8.87	0.174	5.09
	Min.			118	3,417				2.35
	Avg.			166	5,868				2.96
July	Max.	339.44	57	171	7,896	0.91	9.74	0.171	5.00
	Min.			147	3,417				2.17
	Avg.			166	5,955				2.87
August	Max.	320.29	48	171	7,458	0.86	8.42	0.175	3.16
	Min.			163	5,562				2.35
	Avg.			166	6,672				2.63
September	Max.	351.33	51	192	7,480	0.98	8.88	0.174	3.67
	Min.			158	4,750				2.33
	Avg.			169	6,889				2.53
October	Max.	301.54	57	170	7,083	0.81	9.59	0.168	4.67
	Min.			147	3,604				2.38
	Avg.			164	5,290				3.18
November	Max.	261.98	48	191	7,271	0.73	8.44	0.175	5.00
	Min.			143	3,521				2.42
	Avg.			169	5,458				3.21
December	Max.	315.14	57	171	7,083	0.85	9.02	0.158	4.55
	Min.			163	3,480				2.24
	Avg.			167	5,529				2.86
Total		3674.17	629			10.07	108.46	2.014	
General	Max.	351.33	57	224	7,896	0.98	9.74	0.179	5.56
	Min.	261.98	47	118	3,167	0.73	8.28	0.112	1.58
	Avg.	306.18	52	166	5,680	0.84	9.04	0.168	2.88

TABLE VII
 FIVE YEAR ANALYSIS DATA (1999-2003) 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 ₃)	172	70	116.4	136	60	91
Total Hardness (ppm as CaCO ₃)	221	98	155.8	192	107	145.2
Noncarbonate Hardness (ppm as CaCO ₃)	72	11	39	88	26	54
Calcium Hardness (ppm as CaCO ₃)	152	69	108	138	73	108
Magnesium Hardness (ppm as CaCO ₃)	98	2	48	90	10	37
Nephelometric Turbidity (N.T.U.)	394	5	66	0.54	0.07	0.15
Jackson Turbidity (J.T.U.)	480	25	102			
pH	8.55	7.01	7.92	9.81	7.81	8.91
Chloride (ppm)	59	16	34	54	21	35
Fluoride (ppm)	0.49	0.11	0.24	1.35	0.26	0.96
Total Dissolved Solids (ppm)	401	114	246	351	105	235
Total Suspended Solids (ppm)	312	25	122			
Free Chlorine Residual (ppm as CL ₂)	0	0	0	0.68	0.00	0.12
Total Chlorine Residual (ppm as CL ₂)	0	0	0	4.64	0.03	3.09
Ammonia (ppm as N)	0	0	0	1.20	0.02	0.18
Ortho Phosphate (ppm as PO ₄)	0.46	0.08	0.26	0.39	0.06	0.23
Total Phosphate (ppm as PO ₄)	0.48	0.22	0.33	0.56	0.24	0.36
Sulfate (ppm as SO ₄)	50.2	26.5	35.8	49.8	16.7	35.4
Silica (ppm as SiO ₂)	8.2	4.8	5.7	5.6	4.1	4.8
Nitrate (ppm as N)	3.76	0.29	1.50	3.09	0.30	1.36
Nitrite (ppm as N)	0.17	0.00	0.04	0.22	0.00	0.04
Color (Scale Units)	25	10	18	20	10	13
Conductivity (umhos/cm)	573	85	355	537	191	334.8
Temperature (Deg. F.)	89	36	66	92	50	73
Aluminum (ppb)	144	0	17	63	0	6
Antimony (ppb)	1.2	0.0	0.1	0.3	0.0	0.1
Arsenic (ppb)	4.3	0.0	1.1	3.2	0.0	0.5
Barium (ppb)	126	7	47	126	9	36
Beryllium (ppb)	0.0	0.0	0.0	0.1	0.0	0.0
Cadmium (ppb)	5.4	0.0	0.0	0.3	0.0	0.0
Chromium (ppb)	11	0.0	0.4	8.0	0.0	0.6
Copper (ppb)	29	0.0	2.7	154	0.0	11.9
Iron (ppb)	216	0.0	23.5	84	0.0	15.1
Lead (ppb)	1.5	0.0	0.1	1.3	0.0	0.1
Manganese (ppb)	21	0.0	1.9	15.0	0	2.4
Mercury (ppb)	0.1	0.0	0.0	0.6	0.0	0.0
Nickel (ppb)	6.6	0.1	3.0	5.8	0.1	2.3
Selenium (ppb)	2.5	0.0	0.5	3.1	0.0	0.5
Silver (ppb)	0.4	0.0	0.0	0.2	0.0	0.0
Zinc (ppb)	46	0.0	3.1	39	0.0	2.7
Potassium (ppm)	11.4	2	4.2	7.1	2.1	4.0
Sodium (ppm)	55.5	13	31.2	55	13.0	28.3
Thallium (ppb)	0.1	0.0	0.0	0.2	0.0	0.0
Total Trihalomethanes (ppb)	0.3	0.0	0.0	53.2	8.3	22.4
Total Organic Carbon (ppm)	8.3	2.7	4.9	3.9	1.95	2.9
1, 2-Dichloroethane (ppb)	38.0	0.0	0.1	2.3	0.0	0.0
Chloroform (ppb)	0.2	0.0	0.0	42.9	5.7	15.2
Carbon Tetrachloride (ppb)	0.1	0.0	0.0	1.0	0.0	0.0
Bromodichloromethane (ppb)	0.1	0.0	0.0	12.0	1.5	5.6
Tetrachloroethene (ppb)	1.1	0.0	0.0	0.2	0.0	0.0
BTX (Benzene, Toluene & Xylenes) (ppb)	160	0.0	0.3	2.4	0.0	0.1
Total Coliforms (colonies/100 ml)	13600	50	1301	6	0	0
Heterotrophic Plate Count (CFU's/ 1.0ml)	34000	1200	5025	320	0	3
Fecal coliforms (colonies/100 ml)	1630	0	126	0	0	0

TABLE VIII**CARROLLTON OPERATION**

CHEMICAL	CHEMICAL COST	CHEMICAL COST PER MILLION GALLONS
Lime	\$554,949.27	\$13.18
Ferric Coagulant	\$596,538.37	\$14.17
Chlorine	\$376,957.80	\$8.95
Sodium Polyphosphate	\$36,018.96	\$0.86
Polyelectrolyte	\$196,892.69	\$4.6
Fluoride (100%)	\$80,676.49	\$1.9
Ammonia	\$64,089.38	\$1.5
Carbon	\$1,000.00	\$0.02
TOTAL CHEMICALS	\$1,907,122.97	\$45.30

Purification Plant Operating Cost:

Total Water Treated in 2003:

42,101,930,000 Gallons

**TOTAL COST
PER MILLION GALLONS**

YEAR	TOTAL WATER TREATED IN MILLION GALLONS	OPERATING COST	TOTAL COST PER MILLION GALLONS
2003	42,101.93		\$0.00
2002	38,921.50	\$4,793,704.00	\$123.16
2001	41,493.67	\$4,727,852.00	\$113.94
2000	46,758.31	\$4,627,313.00	\$98.96
1999	46,302.82	\$5,010,887.00	\$108.22

- NOTE: (1) Operating costs since 1996 include Pension, FICA and FICA-MED which were charged in previous years to payroll related groups.
 (2) Beginning with the 2002 report, operating costs include the costs of the Purification Superintendent's office and the costs of the Laboratory. These costs are prorated between the Carrollton and Algiers Water Plants.

TABLE IX

ALGIERS OPERATION

CHEMICAL	CHEMICAL COST	CHEMICAL COST PER MILLION GALLONS
Lime	\$75,881.44	\$20.66
Ferric Coagulant	\$69,087.08	\$18.81
Chlorine	\$28,260.50	\$7.69
Sodium Polyphosphate	\$8,394.67	\$2.29
Polyelectrolyte	\$25,653.76	\$6.98
Fluoride (100%)	\$4,643.64	\$1.26
Ammonia	\$6,856.73	\$1.87
Carbon	\$982.77	\$0.27
TOTAL CHEMICALS	\$219,760.59	\$59.83

Purification Plant Operating Cost:

Total Water Treated in 2003:

3,673,390,000 Gallons

TOTAL COST PER MILLION GALLONS

YEAR	TOTAL WATER TREATED IN MILLION GALLONS	OPERATING COST	TOTAL COST PER MILLION GALLONS
2003	3,673.39		
2002	3,577.44	\$1,189,556.00	\$332.52
2001	3,839.54	\$1,284,487.00	\$334.54
2000	4,425.96	\$1,362,279.00	\$307.79
1999	5,971.82	\$1,373,072.00	\$229.93

- NOTE: (1) Operating costs since 1996 include Pension, FICA and FICA-MED which were charged in previous years to payroll related groups.
- (2) Beginning with the 2002 report, operating costs include the costs of the Purification Superintendent's office and the costs of the Laboratory. These costs are prorated between the Carrollton and Algiers Water Plants.

TABLE X

**SLUDGE REMOVED FROM THE "G" BASINS PRIMARY TREATMENT UNITS
DOOR MONORAKE CONVENTIONAL SYSTEM
2003**

Total Million Gallons Water Treated	55,773.79
Total Tons Dry Sludge Deposited in Basins Including suspended and Dissolved Solids Removed and Reacting Chemicals	15,467
Total Million Gallons Wet Sludge Withdrawn from Basins	890.46
Average Percent solids in Wet Sludge	0.41
Total Million Gallons Water Used in withdrawing Sludge	888.92
Percent of Total Water Treated Used in Withdrawing Wet Sludge	3.19

TABLE X-A

**SLUDGE REMOVED FROM THE "L" BASINS PRIMARY TREATMENT UNITS
DOOR MONORAKE CONVENTIONAL SYSTEM
2003**

Total Million Gallons Water Treated	14,211.97
Total Tons Dry Sludge Deposited in Basins Including suspended and Dissolved Solids Removed and Reacting Chemicals	21,825
Total Million Gallons Wet Sludge Withdrawn from Basins	343.16
Average Percent solids in Wet Sludge	1.50
Total Million Gallons Water Used in withdrawing Sludge	340.98
Percent of Total Water Treated Used in Withdrawing Wet Sludge	2.41

TABLE XI
2003 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 CaCO3)	140	70	103	116	61	85
Total Hardness (ppm as CaCO3)	177	98	142	170	108	141
Noncarbonate Hardness (ppm as CaCO3)	64	12	38	84	29	56
Calcium Hardness (ppm as CaCO3)	149	69	101	136	87	110
Magnesium Hardness (ppm as CaCO3)	64	2	41	54	10	31
Nephelometric Turbidity (N.T.U.)	394	6.9	52	0.54	0.07	0.15
Jackson Turbidity (J.T.U.)	480	25	90	---	---	---
pH	8.20	7.48	7.91	9.81	7.81	8.89
Chloride (ppm)	43	19	34	50	23	35
Fluoride (ppm)	0.49	0.11	0.22	1.3	0.3	0.95
Total Dissolved Solids (ppm)	342	130	246	268	146	229
Total Suspended Solids (ppm)	270	25	122	---	---	---
Free Chlorine Residual (ppm as CL2)	0	0	0	0.28	0	0.1
Total Chlorine Residual (ppm as CL2)	0	0	0	4.42	0.03	3.03
Ammonia (ppm as N)	0	0	0	0.4	0.04	0.15
Ortho Phosphate (ppm as PO4)	0.29	0.23	0.26	0.27	0.19	0.23
Total Phosphate (ppm as PO4)	0.33	0.25	0.28	0.38	0.26	0.31
Sulfate (ppm as SO4)	42.1	30.8	35.3	41.2	16.7	34.7
Silica (ppm as SiO2)	6.2	5.1	5.8	5.6	4.5	5
Nitrate (ppm as N)	---	---	---	1	1	1
Nitrite (ppm as N)	---	---	---	---	---	---
Color (Scale Units)	20	10	17	20	10	13
Conductivity (umhos/cm)	453	85	356	425	191	283
Temperature (Deg. F.)	83	46	68	88	56	73
Aluminum (ppb)	8	1.9	4.50	8.0	0.0	3.4
Antimony (ppb)	0	0	0	0.0	0.0	0.0
Arsenic (ppb)	0	0	0	0.0	0.0	0.0
Barium (ppb)	53.0	23.0	32.0	53.0	9.0	22.0
Beryllium (ppb)	0.0	0.0	0.0	0.0	0.0	0.0
Cadmium (ppb)	0.0	0.0	0.0	0.0	0.0	0.0
Chromium (ppb)	0.0	0.0	0.0	0.0	0.0	0.0
Copper (ppb)	3.3	0.6	2.0	9.1	0.6	2.7
Iron (ppb)	43.0	16.0	30.0	43.0	10.0	22.0
Lead (ppb)	0.0	0.0	0.0	0.0	0.0	0.0
Manganese (ppb)	3.1	1.1	1.9	3.4	0.1	1.4
Mercury (ppb)	0.0	0.0	0.0	0.0	0.0	0.0
Nickel (ppb)	4.7	1.4	2.8	4.7	0.1	1.8
Selenium (ppb)	0.0	0.0	0.0	0.0	0.0	0.0
Silver (ppb)	0.0	0.0	0.0	0.0	0.0	0.0
Zinc (ppb)	3.5	1.5	2.5	3.5	0.3	1.7
Potassium (ppm)	5.8	3.1	4.5	5.8	2.6	4.2
Sodium (ppm)	45.0	22.0	35.0	45.0	16.0	29.0
Thallium (ppb)	0.0	0.0	0.0	0.0	0.0	0.0
Total Trihalomethanes (ppb)	0.0	0.0	0.0	49.8	11.9	25.4
Total Organic Carbon (ppm)	6.0	3.3	4.7	3.4	2.0	2.0
1, 2-Dichlorethane (ppb)	5.2	0.0	0.0	0.8	0.0	0.0
Chloroform (ppb)	0.0	0.0	0.0	35.6	6.7	16.7
Carbon Tetrachloride (ppb)	0.0	0.0	0.0	0.0	0.0	0.0
Bromodichloromethane (ppb)	0.0	0.0	0.0	12.0	203.0	6.7
Tetrachloroethene (ppb)	0.0	0.0	0.0	0.0	0.0	0.0
BTX (Benzene, Toluene & Xylenes) (ppb)	160.0	0.0	1.5	1.6	0.0	0.1
Total Coliforms (colonies/100 ml)	9000	50	1480	2	0	0
Fecal Coliforms (colonies/100 ml)	360	10	80	0	0	0
Fecal coliforms (colonies/100 ml)	570	10	100	100	0	0

TABLE XII

EXTRACTS FROM TABLES IV-E AND V
20 Year Period, 1984 to 2003 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.
1984	166.71	113.08	130.37	15.42	9.50	11.07
1985	210.04	99.75	124.08	14.96	8.54	10.49
1986	175.77	89.12	121.50	13.71	8.04	10.29
1987	137.63	95.08	116.42	13.46	7.45	10.42
1988	146.38	94.71	118.38	13.71	8.34	10.19
1989	240.00	93.83	119.54	18.75	7.00	9.80
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

TABLE XIII

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

MONTHLY	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
January	35	40	45	46	64	45	50	39	45	48
February	36	38	48	50	50	50	49	44	46	48
March	42	43	52	57	52	50	55	49	49	51
April	53	55	57	61	61	60	60	57	56	60
May	62	62	68	63	70	67	69	69	67	70
June	71	77	76	75	80	77	78	75	74	73
July	77	82	83	83	85	82	83	82	82	79
august	77	85	83	87	85	87	86	84	84	81
September	76	84	82	83	83	83	84	83	82	80
October	66	73	72	77	76	74	72	73	73	73
November	57	60	62	67	65	66	63	63	62	65
December	46	50	51	59	57	56	47	56	53	53
Maximum	80	88	84	90	87	89	87	87	85	83
Minimum	32	36	40	39	47	42	39	36	42	46
Average	58	62	65	67	68	66	66	65	64	64

Ten Year Period

Maximum: 90
Minimum: 32
Average: 65

TABLE XIV

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

	1999	2000	2001	2002	2003
January	65	60	54	61	60
February	66	60	63	63	62
March	63	67	68	65	66
April	70	70	74	72	71
May	77	76	78	77	78
June	80	80	79	82	80
July	82	85	82	83	81
August	86	85	84	83	83
September	83	83	82	84	83
October	75	78	77	79	81
November	70	72	71	72	77
December	63	60	64	64	68
Maxiumum	89	92	89	87	86
Minimum	56	50	49	52	52
Average	74	72	73	74	74

<u>Five Year Period</u>	
Maximum	92
Minimum	49
Average	73

New Orleans East Bank Sewage Treatment Plant

Yearly Summary

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2003
PLANT FLOW (MGD)													
Average	91	103	117	108	96	134	142	114	91	89	99	95	107
Maximum	142	217	178	220	127	195	201	135	126	191	192	137	220
INFLUENT BOD (mg/l)													
Average	140	139	227	296	182	100	102	120	231	270	222	175	184
Maximum	243	262	528	645	541	417	334	274	464	406	583	362	645
INFLUENT TSS (mg/l)													
Average	163	174	259	311	336	145	148	183	385	415	307	299	260
Maximum	269	306	575	561	799	479	511	441	816	655	647	936	936
INFLUENT BOD (lbs/day)													
Average	104,073	113,348	219,827	257,985	139,032	107,964	119,643	116,182	174,386	185,231	172,125	140,514	154,193
Maximum	179,761	378,422	634,067	582,550	443,659	463,911	459,469	559,587	372,650	412,671	395,407	339,967	634,067
INFLUENT TSS (lbs/day)													
Average	121,508	144,873	256,901	276,605	260,840	159,067	178,011	170,520	299,352	310,666	235,948	238,172	221,039
Maximum	223,888	46,882	843,040	617,083	676,263	560,282	756,970	618,987	839,791	677,955	487,894	849,553	849,553
EFFLUENT BOD (mg/l)													
Average	32	31	29	38	27	19	21	19	15	17	15	22	24
Weekly Maximum	39	41	36	44	35	23	22	26	20	20	18	25	44
EFFLUENT TSS (mg/l)													
Average	32	36	30	35	35	34	38	28	24	29	26	30	31
Weekly Maximum	37	43	36	65	42	36	43	29	35	40	31	33	65
EFFLUENT BOD (lbs/day)													
Average	24,329	23,193	29,028	33,247	18,063	21,170	25,029	14,898	10,785	11,820	12,689	16,389	20,053
Maximum	40,722	42,258	83,250	168,557	33,977	64,251	41,909	27,335	30,497	30,165	108,557	39,315	168,557
EFFLUENT TSS (lbs/day)													
Average	24,420	27,292	29,988	35,319	24,831	37,103	44,960	22,663	17,551	21,742	21,832	22,221	27,494
Maximum	61,082	82,226	116,989	266,529	67,788	91,380	100,861	39,269	43,353	86,429	149,486	42,941	266,529
EFFLUENT CL2 (mg/l)													
Average	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4
Maximum	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4
EFFLUENT COLIFORM (col/100 ml)													
Average (Geo)	9	4	3	7	5	10	6	3	3	11	6	6	6
Wkly Maximum (Geo)	30	13	3	7	22	21	13	4	149	149	16	105	149
EFFLUENT pH (SU)													
Minimum	6.28	6.21	6.20	6.22	6.14	6.05	6.12	6.13	6.04	6.14	6.14	6.23	6.04
Maximum	6.67	6.53	6.60	6.56	6.92	6.50	6.59	6.73	6.50	6.43	6.42	6.60	6.92
BURNED SLUDGE (tons)													
Average per day	22	26	33	33	28	24	25	23	15	15	24	21	24
Total	667	741	1,009	988	879	720	789	724	443	453	720	648	8,781
AUXILIARY FUEL (MMBTU's)													
Average per ton	13.8	11.2	10.8	11.0	13.8	14.2	14.2	18.6	14.1	9.5	17.9	15.8	2.3
Total	8,797	8,370	10,708	10,594	10,874	9,137	10,829	11,401	4,369	2,657	9,713	5,499	20,148
ELECTRICITY (kwhr)													
Average per day	60,426	60,600	65,032	60,760	56,098	71,120	69,910	65,845	60,200	59,613	66,360	53,110	62,422
Total	1,873,200	1,696,800	2,016,000	1,822,800	1,738,800	2,133,600	2,167,200	2,041,200	1,806,000	1,848,000	1,990,800	1,646,400	22,780,800
RAINFALL (Inches)													
Total	0.1	6.1	4.7	5.4	2.3	17.8	9.2	3.4	2.5	3.2	4.7	2.1	61.5

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New Orleans West Bank Sewage Treatment Plant

Yearly Summary

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2003
PLANT FLOW (MGD)													
Average	10.0	12.0	14.0	12.0	8.0	15.0	18.0	10.6	7.8	8.1	8.5	9.8	11.2
Maximum	14.2	29.1	45.3	32.4	8.8	34.6	31.2	19.9	11.9	24.2	24.0	17.6	45.3
INFLUENT BOD (mg/l)													
Average	69	91	90	86	118	101	88	89	68	50	64	71	82
Maximum	147	145	111	171	196	98	80	117	136	157	153	164	196
INFLUENT TSS (mg/l)													
Average	99	77	73	93	105	70	52	84	83	98	96	102	86
Maximum	172	128	182	174	230	177	95	205	151	211	137	194	230
INFLUENT BOD (lbs/day)													
Average	8,715	7,195	7,425	9,712	7,490	6,677	6,613	6,577	5,236	6,582	7,958	8,218	7,367
Maximum	11,440	13,591	14,175	12,805	12,241	19,133	12,138	10,891	11,337	10,184	14,801	22,526	22,526
INFLUENT TSS (lbs/day)													
Average	8,147	7,289	7,664	9,143	6,738	7,669	7,026	7,369	5,493	6,050	7,061	8,852	7,375
Maximum	13,656	22,418	21,099	14,051	17,609	29,972	15,371	14,532	11,326	14,078	24,603	29,932	29,972
EFFLUENT BOD (mg/l)													
Average	39	40	35	43	33	24	24	21	17	16	20	24	28
Wkly Maximum	45	48	39	63	38	28	26	27	18	18	23	30	62.51
EFFLUENT TSS (mg/l)													
Average	29	36	30	22	24	24	30	19	17	17	17	26	24
Wkly Maximum	33	46	33	26	28	29	35	20	20	20	20	26	46
EFFLUENT BOD (lbs/day)													
Average	2,644	2,647	2,886	3,723	1,831	2,812	3,302	1,677	988	831	1,162	1,736	2,187
Maximum	3,683	4,886	8,013	8,222	2,696	6,002	7,404	4,431	1,890	1,253	7,046	6,664	8,222
EFFLUENT TSS (lbs/day)													
Average	1,952	2,530	2,598	2,058	1,366	3,151	3,950	1,543	981	872	1,003	1,872	1,990
Maximum	2,618	5,906	7,401	6,626	2,833	8,006	9,142	3,153	2,402	1,758	4,904	6,341	9,142
EFFLUENT CL2 (mg/l)													
Maximum	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.4	1.4	1.4	1.4	1.4	1.3
EFFLUENT COLIFORM (col/100 ml)													
Average (Geo)	11	11	16	9	5	8	20	7	4	5	4	6	9
Wkly Maximum	136	33	45	34	6	20	49	11	30	30	10	13	136
EFFLUENT pH (SU)													
Minimum	7.40	7.30	7.50	7.30	7.10	7.20	7.30	7.00	7.00	6.90	7.10	7.10	6.90
Maximum	7.80	7.90	7.90	8.00	7.40	7.60	7.70	7.60	7.40	7.40	7.60	7.60	8.00
DISPOSED SLUDGE (tons)													
Total	118	100	167	216	105	97	115	183	199	178	134	216	1,828
ELECTRICITY (kwhr)													
Average per day	9,262	8,885	10,319	9,221	9,800	13,440	12,300	12,235	11,050	10,929	10,687	11,110	10,724
Total	240,800	231,000	278,600	267,400	235,200	336,000	344,400	281,400	309,400	338,800	320,600	344,400	3,528,000
RAINFALL (inches)													
Total	0.3	4.7	7.2	7.4	0.0	27.3	1.0	0.0	0.0	0.3	3.8	0.0	52.0

**ANNUAL REPORT 2003
WATER TABULATION NO. 1**

**WATER LINES LAID DURING 2003
QUANTITIES OF PIPE MEASURED IN FEET**

ITEMS	BY CONTRACT	BY OTHERS	TOTAL FEET	TOTAL MILES
2" P.V.C.	1,194.50	2,295.50	3,490.00	0.660
4" P.V.C.	0.00	120.40	120.40	0.020
6" P.V.C.	877.00	1,066.30	1,943.30	0.370
8" P.V.C.	24,505.90	8,221.60	32,727.50	6.200
8" D.I.	470.00	664.00	1,134.00	0.210
10" P.V.C.	0.00	143.00	143.00	0.030
10" IRON	0.00	60.00	60.00	0.020
12" P.V.C.	4,610.20	6,892.20	11,502.40	2.180
12" D.I.	80.00	596.20	676.20	0.130
18" P.V.C.	0.00	0.00	0.00	0.000
20" P.V.C.	0.00	0.00	0.00	0.000
21D.I.	0.00	0.00	0.00	0.000
TOTAL FEET	31,737.60	20,059.20	51,796.80	9.81
FIRE HYDRANTS	34	48	82 Total Fire Hydrants in 2003	
VALVES	69	83	152 Total Valves in 2003	
MANHOLES	86	95	181 Total Manholes in 2003	

Total feet removed or abandoned 27,990.00 ft. 5.30 miles

Water Valves as of 2003

INSTALLED IN 2003	REMOVED IN 2003	TOTAL VALVES REMAINING IN 2003
152	46	29,028

FIRE HYDRANTS AS OF 2003

INSTALLED IN 2003	REMOVED IN 2003	TOTAL FIRE HYDRANTS REMAINING IN 2003
82	17	24,434

WATER MANHOLES AS OF 2003

INSTALLED IN 2003	REMOVED IN 2003	TOTAL MODIFICATIONS IN 2003
181	46	29,028

WATER LINES IN SYSTEM AS OF 2003

INSTALLED IN 2003	ABANDONED IN 2003	ADDED	TOTAL FEET	TOTAL MILES
111,935.50	27,990.00		9,205,307.50	1,743.45

ANNUAL REPORT 2003
WATER TABULATION NO. 2
WATER MAINS, VALVES, AND HYDRANTS INSTALLED BY EACH AGENCY AND
QUANTITIES REMOVED OR ABANDONED IN THE PRESENT EXISTING WATER DISTRIBUTION SYSTEM
AT THE END OF 2003

CONTRACTOR	WATER MAINS				VALVES				HYDRANTS			
	Existing	Installed	Total Linear Feet Removed or Abandoned	Total Linear Feet Remaining in System	Existing	Installed	Removed	Remaining	Existing	Installed	Removed	Remaining
Algiers Water Works	48,830.00	0.00		48,830.00	72	0	0	72	0	0		
Ordinary Contracts	4,505,822.70	82,937.60	18,011.90	4,570,748.40	20,712	76	38	20,750	1,958	69	17	2,010
S&WB Forces	723,346.80	0.00	0.00	723,346.80	1,927	0		1,927	1,731	0	0	1,731
By L-M-P Contracts	1,120,029.50	0.00	0.00	1,120,029.50	2,013	0		2,013	9,617	0	0	9,617
By P-W-A Contracts	64,917.30	0.00	0.00	64,917.30	36	0		36	52	0	0	52
C-W-A & E-R-A Contracts	32,154.50	0.00	0.00	32,154.50	44	0	0	44	86	0	0	86
By W-P-A Contracts	249,199.70	0.00	0.00	249,199.70	401	0		401	441	0	0	441
By F-W-A Contracts	52,649.60	0.00	0.00	52,649.60	31	0	0	31	19	0	0	19
By Various War Agencies	3,158.00	0.00	0.00	3,158.00	0	0	0	0	0	0	0	0
Under HANO	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0
Under F-P-H-A	1,176.40	0.00	0.00	1,176.40	0	0	0	0	0	0	0	0
By Orleans Levee Board	147,667.80	0.00	0.00	147,667.80	357	0	0	357	863	0	0	863
By Others	2,240,547.70	28,997.90	9,978.10	2,259,567.50	3,208	76	8	3,276	9,602	13		9,615
By Dock Board	9,508.20	0.00	0.00	9,508.20	121	0	0	121	0	0	0	0
Total Linear Feet	9,199,008.30	111,935.50	27,990.00	9,282,953.80	28,922	152	46	29,028	24,369	83	17	24,434

ANNUAL REPORT 2003
SEWER TABULATION NO. 1
SEWER LINES LAID DURING 2003
QUANTITIES OF PIPE MEASURED IN FEET

ITEMS	BY CONTRACT	BY OTHERS	TOTAL FEET	TOTAL MILES
6" P.V.C.	17,571.50	18,136.20	35,707.30	6.76
8" P.V.C.	54,200.90	30,727.30	84,928.20	16.08
8" D.I.	0.00	0.00	0.00	0.00
10" P.V.C.	3,909.00	5,091.40	9,000.40	1.70
12" P.V.C.	365.00	5,193.00	5,558.00	1.05
15" P.V.C.	3,070.40	681.00	3,751.40	0.71
18" P.V.C.	3,706.70	764.00	4,470.10	0.84
21" P.V.C.	0.00	340.00	340.00	0.08
4" P.V.C./S.F.M.	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00
TOTALS	82,823.10	60,932.90	14,375.60	27.22
M.H.'S	14	11	25 Total Manholes Constructed in 2003	

Sewer Lines Laid in 2003

ORIGINAL CONSTRUCTION (IN FEET)	REMOVED (IN FEET)	REPLACED (IN FEET)	TOTAL REMAINING (IN FEET)	TOTAL REMAINING (IN MILES)
8,287,302.10	4,388,822.10		3,898,480.00	738.35

Sewer Manhole Projects for 2003

BUILT IN 2002	REMOVED IN 2002	TOTAL MODIFICATIONS IN 2002
25	3	22

ANNUAL REPORT 2003
SEWER TABULATION NO. 2
SEWER MANHOLE AND FLUSH TANKS BUILT BY EACH CONTRACT FOR 2003
THE QUANTITIES DESTROYED OR ABANDONED AND THE EXTENT OF THE SEWERAGE AT THE END OF 2003

	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	14,498.30	6,809.20	24,908.20	18,099.00	6,809.20	73.00	15.00	58.00
Built Under Ordinary Contracts	3,612,594.20	32,307.80	3,580,286.40	3,654,238.20	102,584.20	3,551,654.00	9,875.00	258.00	9,617.00
Built by S&WB Forces	1,353,426.20	315,188.40	1,038,237.80	1,357,727.70	63,968.40	1,293,758.90	3,998.00	142.00	3,856.00
Built by Dock Board	5,839.70	0.00	5,839.70	6,874.30	0.00	6,874.30	19.00	0.00	19.00
Built Under CWA & ERA Contracts	25,662.60	0.00	25,662.50	25,662.60	360.00	25,302.60	76.00	3.00	73.00
Built Under WPA Contracts	138,903.60	28,288.70	110,614.90	112,735.20	26,168.40	112,735.20	504.00	3.00	501.00
Built Under PWA Contracts	177,599.30	18,042.30	195,641.60	163,503.90	14,095.40	163,503.90	474.00	5.00	469.00
Built Under FWA Contracts	9,120.80	0.00	9,120.80	9,120.80	0.00	9,120.80	32.00	0.00	32.00
Built by Orleans Levee Board	126,348.70	7,503.00	118,845.70	126,348.70	7,503.00	118,845.70	675.00	6.00	669.00
Built by FPHA	4,253.10	2,332.40	1,920.70	4,253.10	340.50	3,912.60	17.00	1.00	16.00
Built Under L.M.P. Contracts	733,963.50	16,352.40	717,611.00	22,809.40	22,809.40	720,992.40	2,192.00	60.00	2,132.00
Built by Others	1,958,576.30	47,281.80	1,911,294.50	1,937,292.30	40,206.40	7,910,591.00	5,508.00	83.00	5,427.00
	8,167,595.50	481,795.10	7,721,884.90	8,166,467.30	296,135.10	7,910,596.20	23,443.00	576.00	22,869.00
TOTAL MILES	1,546.89	91.24	1,462.48	1,546.68	56.08	1,498.22			

ANNUAL REPORT 2003
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			29,182.40
68" Steel	9,061.90			9,061.90
66" Concrete	13,740.70			13,740.70
66" Steel	28,979.70			28,979.70
60" Steel	2,577.70			2,577.70
60" Concrete	748.90			748.90
57" Concrete	1,766.80			1,766.80
54" Concrete	7,030.40			7,030.40
54" Steel	44,014.50			44,014.50
51" Concrete	928.30			928.30
50" Steel	135.00			135.00
48" Concrete	13,791.00			13,791.00
48" FRP	10,900.20			10,900.20
48" Steel	21,147.20			21,147.20
45" Concrete	3,048.40			3,048.40
42" Concrete	20,170.10			20,170.10
42" Steel	3,580.20			3,580.20
39" Brick	884.80			884.80
39" Concrete	3,871.80			3,871.80
36" Vitrified Clay	2,433.70			2,433.70
36" Prestressed Concrete	11,617.20			11,617.20
36" Reinforced Concrete	9,392.70			9,392.70
36" Steel	150.00			150.00
36" Cast Iron	10,674.00			10,674.00
36" P.V.C.	10,604.00			10,604.00
33" Brick	3,150.40			3,150.40
33" Reinforced Concrete	1,450.90			1,450.90
30" Vitrified Clay	1,672.20			1,672.20
30" Brick	3,006.60			3,006.60
30" Prestressed Concrete	484.00			484.00
30" Reinforced Concrete	34,449.70			34,449.70
30" Vitrified Clay	11,732.20			11,732.20
30" Cast Iron	4,305.90			4,305.90
30" Steel	3,255.20			3,255.20
30" ERP	16,400.00			16,400.00
29" P.V.C.	887.00			887.00
28" P.V.C.	541.00			541.00
27" Vitrified Clay	29,134.80			29,134.80
27" Terra Cotta	11.00			11.00
27" P.V.C.	11.00			11.00
27" Reinforced Concrete	13,738.40			13,738.40
Subtotal Linear Feet	384,661.90	0.00	0.00	384,661.90
Total Miles	72.85	0.00		72.85

SIZE & MATERIAL OF SEWER	TOTAL LENGTH BUILT INCLUDING SUBSTITUTES	DESTROYED OR ABANDONED	ADDED	NOW REMAINING IN THE SYSTEMS
26" P.C.V.	2,277.00			2,277.00
24" Vitrified Clay	31,911.40			31,911.40
24" Cast Iron	17,638.10			17,638.10
24" Asbestos Cement	4,942.20			4,942.20
24" Reinforced Concrete	28,377.00			28,377.00
24" P.V.C.	162.00			162.00
24" Steel	110.00			110.00
21" P.V.C.	702.60			702.60
21" Reinforced Concrete	615.50			615.50
20" Ductile Iron Pipe	143.80			143.80
18" P.V.C.	6,771.50		3,706.70	6,771.50
16" Steel	120.00			120.00
16" Asbestos Cement	28,894.90			28,894.90
16" Plastic	1,913.10			1,913.10
15" P.V.C.	7,465.00		625.40	7,465.00
15" Plastic Truss	1,766.80			1,766.80
15" Vitrified Clay	116,391.00	3,751.90		112,639.70
10" Vitrified Clay	194,748.00	4,218.00		190,532.80
10" Concrete	54,095.80			54,095.80
10" Steel	130.00			130.00
10" Asbestos Cement	27,860.40			27,860.40
10" P.V.C.	103,818.30		3,063.00	106,881.50
10" Plastic Truss	6,072.50			6,072.50
8" Plastic	706,265.50			706,265.50
8" Concrete	363,969.60	17,943.70		346,025.90
8" Terra Cotta	375,588.30	9,914.20		365,674.10
8" Cast Iron	32,887.40			32,887.40
8" Vitrified Clay	4,475,843.40	37,183.80		4,438,659.60
8" Asbestos Cement	3,895.90			3,895.90
8" Plastic Truss	75,134.10	1,382.00		73,752.10
8" P.V.C.	122,808.20		71,221.90	194,030.10
8" Concrete	2,224.60	548.00		1,676.60
6" Asbestos Cement	4,493.90			4,493.90
6" Cast Iron	3,864.40			3,864.40
6" Vitrified Clay	127,949.10	8,788.50		119,160.60
6" Plastic	371,272.70			371,272.70
6" Plastic Truss	7,099.60	3,207.00		3,892.60
6" Terra Cotta	10,024.20			10,024.20
6" P.V.C.	64,507.50		12,494.20	77,001.70
4" Cast Iron	874.20			874.20
4" Ductile Iron	180.40			180.40
4" Plastic	126.00			126.00
4" P.V.C.	1,389.00			1,389.00
Total Linear Feet	0.00	0.00		384,661.90
Total Linear Feet	7,757,587.80	86,935.40	91,611.70	7,779,924.20
Total Miles	1,469.24	16.46	17.35	1,483.05

TABLE OF RAINFALL IN NEW ORLEANS SINCE ESTABLISHMENT OF RAIN GAGES IN 1884
 RAINFALL AND AVERAGES FOR "YEAR 1884 TO DATE"

YEAR No	YEAR	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		ANNUAL MONTHLY 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				
1	1884	2.11	13.27	15.38	4.48	18.86	4.27	24.13	2.38	26.49	4.19	30.68	8.15	38.74	7.48	46.20	1.37	47.57	0.78	48.33	1.19	49.52	1.84	51.48	4.29				
2	1885	7.65	3.76	11.41	3.61	15.04	2.48	17.52	10.26	27.90	10.48	38.38	8.97	47.35	7.32	52.67	2.18	54.83	1.32	56.15	0.88	57.03	4.80	61.83	5.15	5.18			
	total	9.76	17.03	26.79	8.11	34.90	6.75	41.65	12.74	54.39	14.58	68.97	15.12	84.09	14.78	98.87	3.53	102.40	2.08	104.48	2.07	106.55	6.74	113.28					
3	1886	4.88	8.52	13.40	4.06	17.45	3.38	20.83	8.32	27.20	7.29	34.49	7.56	42.05	7.39	49.44	1.77	51.20	1.04	52.24	1.04	53.28	3.37	56.65					
	total	2.52	3.97	5.59	5.27	10.86	3.25	14.11	3.11	17.22	9.61	26.63	3.56	30.39	4.05	34.44	5.80	40.24	8.69	46.03	3.73	50.86	3.59	54.25	4.52	-1.60			
4	1887	12.28	20.10	32.36	13.36	45.76	10.00	55.76	15.85	71.61	24.19	95.80	18.68	114.48	10.83	123.31	0.33	142.84	6.77	151.41	5.80	157.21	10.33	167.54			4.10	-4.96	
	total	4.09	8.70	10.79	4.46	15.25	3.33	18.58	5.28	23.87	8.08	31.93	8.23	38.18	8.28	44.44	3.11	47.55	2.99	50.47	1.93	52.40	3.44	55.85					
5	1888	2.02	5.10	7.12	5.38	12.50	5.57	18.07	0.58	18.65	6.21	24.86	4.90	29.76	3.56	33.32	3.85	37.17	3.78	40.93	3.22	44.15	5.09	49.24	4.10	-4.96			
	total	14.30	25.20	39.50	18.78	58.28	15.57	73.83	18.43	90.26	30.40	120.68	23.58	144.24	22.39	166.63	13.18	179.81	12.52	192.34	9.02	201.38	15.42	216.78					
6	1889	3.58	6.30	8.88	4.69	14.57	3.89	18.46	4.11	22.57	7.60	30.17	5.90	36.08	4.16	40.24	3.30	44.95	3.13	48.08	2.26	50.34	3.86	54.20			4.02	1.01	
	total	2.00	7.30	9.30	1.23	10.53	3.20	13.73	10.10	13.83	3.56	17.30	5.70	23.08	5.48	28.57	16.01	44.58	1.50	46.08	6.32	52.40	3.08	55.48					
7	1890	18.30	32.50	48.80	19.99	68.79	18.77	87.56	16.53	104.09	33.96	138.05	29.28	167.33	27.67	195.20	28.19	224.39	14.03	238.42	15.34	253.76	18.48	272.24			4.02	1.01	
	total	3.28	6.50	9.76	4.00	13.78	3.75	17.51	3.31	20.82	6.79	27.61	8.86	33.47	5.57	39.04	5.84	44.88	2.81	47.69	3.07	50.75	3.70	54.45					
8	1891	2.81	3.43	6.04	2.89	8.93	1.98	10.81	0.15	10.78	9.62	20.38	5.76	26.08	3.01	29.09	0.39	29.48	1.69	31.17	2.02	33.19	3.43	36.62	3.05	-14.88			
	total	18.91	35.93	54.84	22.88	77.72	20.45	98.17	18.68	114.95	43.58	158.43	34.96	193.41	30.88	224.29	20.58	253.87	15.72	269.59	17.35	286.95	21.91	308.86					
9	1900	3.15	5.99	8.14	3.81	12.95	3.41	16.36	2.78	19.14	7.28	26.41	5.83	32.24	5.15	37.38	4.93	42.31	2.62	44.93	2.89	47.83	3.65	51.48					
	total	3.88	5.99	8.87	4.50	14.37	12.29	26.66	3.26	30.04	6.78	36.82	8.42	45.24	4.98	50.22	3.83	53.85	2.53	56.38	1.29	57.66	8.44	64.10	5.84	10.82			
10	1901	22.79	41.82	64.71	27.38	92.08	32.74	124.83	20.08	144.89	50.38	195.26	43.40	238.65	35.95	274.51	33.21	307.72	18.25	325.97	18.64	344.61	28.35	372.96			5.84	10.82	
	total	3.26	5.99	9.24	3.91	13.16	4.68	17.63	2.67	20.70	7.19	27.89	8.20	34.09	5.12	39.22	4.74	43.96	2.81	46.77	2.66	49.23	4.05	53.28					
11	1902	3.33	5.72	8.05	3.81	12.86	7.75	20.61	1.79	22.40	3.56	25.96	9.42	35.38	4.99	40.37	3.24	43.61	3.25	46.86	2.53	49.39	4.54	53.93	4.49	0.57			
	total	26.12	47.64	73.78	31.19	104.95	40.49	145.44	21.85	167.29	53.92	221.21	52.82	274.03	40.85	314.88	38.45	353.33	21.50	372.83	21.17	394.00	34.89	428.89					
12	1903	3.27	5.96	8.22	3.90	13.12	5.08	18.18	2.73	20.91	6.74	27.65	8.80	34.25	5.11	39.36	4.56	43.92	2.80	46.80	2.65	49.25	4.11	53.36			4.23	-0.84	
	total	0.75	3.52	4.27	3.89	8.18	3.41	11.57	2.94	13.61	1.21	14.82	2.81	17.33	3.21	20.54	5.93	26.47	2.28	28.95	3.25	32.10	5.83	37.93	3.16	-13.72			
13	1904	2.89	3.68	6.07	3.90	9.97	4.86	14.83	7.45	22.28	20.10	42.38	16.19	58.57	32.37	4.90	37.27	4.71	41.98	2.65	44.63	3.71	47.34	4.20	51.55				
	total	3.84	9.81	13.75	11.77	25.52	0.88	26.18	1.37	27.55	3.94	31.49	8.57	38.06	5.79	43.85	2.47	46.32	0.90	47.22	0.21	47.43	3.58	50.71	4.23	-0.84			
14	1905	30.81	50.97	91.78	45.85	138.63	44.56	183.19	25.26	208.45	59.07	267.52	81.88	349.42	49.95	399.37	44.85	424.12	24.48	448.80	24.83	473.23	42.30	515.53					
	total	3.08	6.10	9.18	4.69	13.88	4.48	18.37	2.53	20.95	5.91	26.75	6.19	32.94	4.98	37.93	4.49	42.41	2.45	44.86	2.46	47.32	4.23	51.55					
15	1906	3.15	1.89	4.74	4.04	8.78	1.77	10.55	3.83	14.36	3.87	18.25	6.05	24.85	5.57	30.42	3.40	33.82	1.14	34.96	1.80	36.58	2.48	39.04	3.25	-11.38			
	total	33.96	82.56	98.52	50.89	147.41	48.33	195.74	29.09	222.83	62.94	285.77	88.56	354.27	55.42	409.69	48.25	457.94	25.82	483.58	26.23	509.79	44.78	554.57					
16	1907	3.08	5.69	8.77	4.63	13.40	4.21	17.61	2.84	20.26	5.72	25.98	8.23	32.21	5.04	37.24	4.38	41.63	2.33	43.96	2.38	46.34	4.07	50.42					
	total	6.38	4.97	11.35	7.13	18.48	5.52	24.05	4.71	28.26	5.78	34.05	4.28	38.33	3.49	41.82	0.28	42.10	8.23	50.33	4.02	51.35	13.18	64.53	6.21	22.11			
17	1908	40.34	67.53	107.87	58.02	165.89	51.90	217.79	33.30	251.09	68.73	319.82	72.78	392.60	58.91	451.51	57.53	509.04	31.85	540.89	30.25	571.14	57.96	629.10					
	total	3.36	5.83	8.89	4.84	13.82	4.33	18.15	2.78	20.92	5.73	26.65	6.07	32.72	4.91	37.63	4.79	42.42	2.95	45.07	2.52	47.60	4.83	52.43					
18	1909	7.05	2.03	4.08	5.95	10.03	1.31	11.34	0.78	12.10	4.02	16.12	8.78	27.40	5.09	27.49	8.32	35.81	1.25	37.06	0.91	37.97	3.02	40.99	3.42	-10.58			
	total	42.38	89.56	111.85	63.97	175.82	53.21	229.12	34.08	263.18	72.75	335.94	79.06	415.00	84.00	479.00	85.85	544.85	33.10	577.95	31.16	609.11	80.96	670.06					
19	1910	3.26	5.35	8.81	4.92	13.53	4.09	17.83	2.82	20.25	5.80	25.84	6.08	31.92	4.92	36.85	5.07	41.91	2.55	44.46	2.40	46.85	4.60	51.55					
	total	2.22	4.81	6.83	1.58	8.41	12.84	21.05	13.88	35.03	1.42	38.45	2.84	39.29	4.78	44.07	6.21	50.28	1.33	51.61	4.90	56.31	7.05	64.16	5.35	11.71			
20	1911	44.81	74.17	118.78	85.55	184.33	65.85	250.15	48.04	298.22	74.17	372.39	81.90	454.29	88.78	523.07	72.06	595.13	34.43	629.56	36.08	665.62	88.63	734.25					
	total	3.19	5.30	8.48	4.68	13.17	4.70	17.87	3.43	21.30	5.30	26.80	5.83	32.45	4.81	37.26	5.15	42.51	2.48	44.97	2.56	47.54	4.90	52.45					
21	1912	4.28	4.14	8.42	3.38	11.80	1.41	13.21	8.08	18.27	3.08	21.35	10.93	32.28	4.60	36.88	11.28	48.16	0.75	48.90	0.44	49.35	1.79	51.12	4.28	-1.24			
	total	48.88	78.31	127.20	88.93	196.13	67.26	263.39	83.10	316.49	77.25	393.74	92.83	4															

TABLE OF RAINFALL IN NEW ORLEANS SINCE ESTABLISHMENT OF RAIN GAGES IN 1894

YEAR No	YEAR	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			
21	1914	1.06	8.00	7.06	3.93	10.99	4.93	15.92	0.59	16.51	3.76	20.27	6.68	26.95	9.21	36.16	4.87	41.03	1.26	42.29	4.15	46.44	3.92	50.36	4.20	-4.29		
	total	87.95	103.82	168.77	99.23	268.00	106.78	374.78	85.57	460.35	110.67	570.02	131.35	702.17	115.06	817.23	120.11	937.34	51.06	988.40	84.30	1,042.70	104.90	1,147.60				
	avg	3.24	4.60	8.04	4.73	12.76	5.08	17.85	4.07	21.91	5.27	27.18	6.25	33.44	5.48	38.92	5.72	44.84	2.43	47.07	2.59	49.65	5.00	54.65				
22	1915	7.42	4.16	11.58	2.11	13.69	0.00	13.75	3.54	17.29	5.27	22.56	6.49	29.05	7.91	36.96	9.84	46.80	12.14	58.94	1.94	60.88	4.68	65.56	5.47	10.51		
	total	75.37	104.98	180.35	101.34	281.69	106.84	388.53	89.91	478.44	115.94	593.38	137.84	731.22	122.97	854.19	130.05	984.24	82.20	1,047.44	56.24	1,103.68	106.58	1,213.26				
	avg	3.43	4.77	8.20	4.61	12.90	4.86	17.96	4.04	21.70	5.27	26.87	6.27	33.24	5.90	38.83	5.91	44.74	2.87	47.81	2.56	50.17	4.96	55.15				
23	1916	4.23	2.01	6.24	0.67	6.91	2.66	9.57	7.89	17.46	6.93	24.39	5.20	29.59	4.93	34.52	3.57	38.19	6.92	45.11	0.69	45.80	5.04	51.74	4.31	-3.28		
	total	79.60	106.99	186.59	102.01	288.60	109.50	398.10	96.80	494.90	122.87	617.77	143.14	760.91	127.90	888.81	133.62	1,022.43	70.12	1,092.55	58.93	1,149.48	115.52	1,265.00				
	avg	3.46	4.65	8.11	4.44	12.55	4.76	17.31	4.21	21.52	5.34	26.66	6.22	33.08	5.56	38.64	5.81	44.45	3.05	47.50	2.48	49.98	5.02	55.00				
24	1917	3.07	2.87	6.54	2.94	9.48	3.66	13.14	1.30	14.44	1.69	16.13	5.24	21.97	5.34	27.31	3.28	30.59	0.68	31.27	0.26	31.53	1.96	33.51	2.79	-20.59		
	total	83.27	109.86	193.13	104.95	298.08	113.18	411.24	88.10	509.34	124.56	633.90	148.98	782.88	133.24	916.12	136.90	1,053.02	70.80	1,123.82	57.18	1,181.01	117.50	1,298.51				
	avg	3.47	4.56	8.05	4.37	12.42	4.72	17.14	4.09	21.22	5.19	26.41	6.21	32.62	5.55	38.17	5.70	43.88	2.95	46.63	2.38	49.21	4.90	54.10				
25	1918	4.14	1.65	5.79	1.63	7.41	10.28	17.89	2.08	19.77	2.48	22.28	2.34	24.60	5.63	30.23	4.21	34.44	10.69	45.13	3.99	49.12	7.96	56.98	4.75	2.76		
	total	87.41	111.51	188.92	106.57	305.49	123.44	428.93	100.18	529.11	127.05	656.16	151.32	807.48	136.87	948.35	141.11	1,087.46	81.49	1,168.95	61.18	1,230.13	125.36	1,355.49				
	avg	3.90	4.46	7.95	4.26	12.22	4.94	17.16	4.01	21.18	5.08	26.25	6.05	32.30	5.95	37.85	5.64	43.50	3.28	46.70	2.45	49.21	5.01	54.22				
26	1919	6.78	8.11	12.69	3.24	16.13	7.25	23.38	7.87	31.25	5.27	36.52	6.98	43.48	5.40	48.88	3.21	52.09	5.78	57.87	7.99	65.85	0.90	66.45	5.54	11.76		
	total	94.19	117.62	211.81	109.81	321.82	130.69	452.31	108.05	560.36	132.32	692.68	158.28	850.96	144.27	995.23	144.32	1,139.55	87.27	1,226.82	68.88	1,295.66	126.28	1,421.94				
	avg	3.67	4.52	8.15	4.22	12.37	5.03	17.40	4.16	21.55	5.09	26.64	6.09	32.73	5.55	38.28	5.55	43.83	3.26	47.19	2.65	49.83	4.66	54.69				
27	1920	5.34	3.73	8.07	2.65	11.92	8.31	18.23	5.24	23.47	7.81	30.98	5.47	36.45	4.00	40.45	7.37	47.82	3.01	50.83	2.83	53.76	8.42	62.18	5.18	7.21		
	total	99.53	121.35	220.88	112.86	333.54	137.00	470.54	113.29	583.83	139.83	723.66	163.75	887.41	148.27	1,035.68	151.69	1,187.37	90.28	1,277.65	71.79	1,349.44	134.68	1,484.12				
	avg	3.89	4.49	8.18	4.17	12.35	5.07	17.43	4.20	21.62	5.18	26.80	6.08	32.87	5.49	38.36	5.62	43.88	3.34	47.32	2.66	49.98	4.99	54.97				
28	1921	1.17	1.97	3.14	4.50	7.64	4.29	11.92	1.60	13.72	6.56	22.28	7.17	29.45	4.18	33.63	3.57	37.20	1.66	38.86	3.98	42.72	3.35	46.07	3.84	-8.56		
	total	100.70	123.72	224.02	117.18	341.18	141.28	462.46	115.08	577.54	146.38	745.94	170.92	915.86	152.45	1,068.31	155.26	1,223.57	81.94	1,315.51	75.85	1,392.16	139.03	1,530.19				
	avg	3.60	4.40	8.00	4.18	12.19	5.05	17.23	4.11	21.34	5.30	26.64	6.10	32.75	5.44	38.18	5.55	43.73	3.28	47.02	2.70	49.72	4.93	54.65				
29	1922	4.54	3.55	6.98	6.22	16.31	4.17	20.48	6.20	26.68	4.45	31.13	4.68	35.81	6.90	42.31	1.31	43.62	4.11	47.73	3.55	51.28	6.85	58.13	4.84	3.36		
	total	105.24	126.87	232.11	125.36	357.49	145.45	502.94	121.29	624.23	153.84	777.07	175.60	952.67	158.95	1,111.62	156.57	1,268.19	98.05	1,366.24	79.20	1,445.44	144.88	1,588.32				
	avg	3.63	4.37	8.00	4.32	12.33	5.02	17.34	4.18	21.53	5.27	26.80	6.08	32.87	5.48	38.33	5.40	43.73	3.31	47.04	2.73	49.72	5.00	54.77				
30	1923	3.99	2.36	6.25	4.48	10.71	4.13	14.84	6.71	24.55	6.17	30.72	0.83	40.55	7.48	48.03	2.60	50.63	2.46	53.09	4.84	58.03	3.83	61.86	5.14	8.66		
	total	109.23	129.13	238.36	129.84	368.20	149.59	517.78	131.00	648.78	159.01	807.79	185.43	993.22	166.43	1,159.65	150.17	1,318.82	98.51	1,417.33	84.14	1,501.47	148.51	1,649.98				
	avg	3.64	4.30	7.95	4.33	12.37	4.99	17.26	4.37	21.83	5.30	28.93	6.18	33.11	5.55	38.88	5.31	43.98	3.28	47.24	2.80	50.05	4.95	55.00				
31	1924	5.59	5.24	10.83	2.11	12.94	2.67	15.61	5.89	21.50	3.56	25.06	1.91	26.97	2.29	28.86	2.83	31.69	0.00	31.69	0.21	31.90	6.70	38.60	3.22	-15.87		
	total	114.82	134.37	249.19	131.95	361.14	152.25	513.39	138.89	652.28	182.57	834.85	186.94	1,019.79	188.72	1,188.51	182.00	1,370.51	98.51	1,469.02	84.35	1,553.37	155.21	1,698.58				
	avg	3.70	4.33	8.04	4.26	12.29	4.91	17.21	4.42	21.62	5.24	26.87	6.03	32.90	5.44	38.34	5.23	43.56	3.18	46.74	2.72	48.60	5.01	54.47				
32	1925	5.47	1.67	7.14	0.91	8.05	0.81	8.86	4.12	12.98	3.68	16.66	6.96	23.64	2.61	26.25	6.10	32.35	7.27	39.62	4.80	44.42	3.34	47.76	3.98	-6.90		
	total	120.29	136.04	256.33	132.86	380.19	153.08	542.25	141.01	683.26	186.25	840.51	103.92	1,043.43	171.33	1,214.76	188.10	1,382.86	105.78	1,488.64	89.15	1,577.79	158.55	1,736.34				
	avg	3.78	4.25	8.01	4.15	12.16	4.78	16.95	4.41	21.35	5.20	26.50	6.06	32.61	5.35	37.98	5.25	43.21	3.31	46.52	2.79	49.31	4.95	54.26				
33	1926	5.50	2.84	6.34	14.38	22.72	5.92	28.64	11.31	39.95	3.26	43.21	4.96	48.17	6.46	54.65	5.51	60.16	3.83	63.99	2.74	66.73	1.98	68.71	5.73	14.01		
	total	125.79	138.88	264.87	147.24	411.91	158.98	570.89	152.32	723.21	169.51	892.72	198.88	1,091.60	177.61	1,269.41	173.61	1,443.02	108.61	1,551.63	91.89	1,643.52	190.53	1,834.05				
	avg	3.81	4.31	8.02	4.48	12.48	4.82	17.30	4.82	21.92	5.14	27.05	6.03	33.08	5.39	38.47	5.26	43.73	3.32	47.05	2.78	49.83	4.86	54.70				
34	1927	0.58	11.16	11.72	6.74	18.46	14.85	33.31	2.84	36.05	7.00	42.95	4.81	47.76	7.84	55.10	1.91	57.01	3.09	60.10	1.71	61.81	3.64	65.45	5.47	10.63		
	total</																											

TABLE OF RAINFALL IN NEW ORLEANS SINCE ESTABLISHMENT OF RAIN GAGES IN 1864
RAINFALL AND AVERAGES FOR "YEAR 1894 TO DATE"

YEAR No	YEAR	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		ANNUAL MONTHLY 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			
41	1934	5.68	3.47	8.13	5.40	14.53	4.81	19.34	8.08	28.43	4.88	33.31	8.01	39.32	10.86	50.20	2.01	52.21	2.73	54.94	5.87	60.81	1.90	62.71	5.23	65.94		
	total	162.54	180.97	343.51	188.87	530.38	208.02	736.40	201.35	937.75	207.12	1,144.87	251.78	1,396.65	235.32	1,631.97	213.64	1,845.61	141.92	1,987.53	125.62	2,113.20	189.57	2,302.87				
	avg	3.96	4.41	8.36	4.56	12.94	5.02	17.96	4.91	22.87	5.05	27.82	6.14	34.06	5.74	39.80	5.21	45.01	3.48	48.46	3.02	51.54	4.43	56.17				
42	1935	2.35	3.08	5.43	8.91	14.34	7.63	21.97	4.02	25.99	3.57	29.56	7.70	37.26	4.66	41.02	2.64	48.56	0.61	45.17	1.50	46.67	0.66	53.33	4.44	-2.77		
	total	164.89	184.05	348.94	195.78	544.72	213.65	758.37	205.37	963.74	210.69	1,174.43	259.48	1,433.91	239.98	1,673.89	216.28	1,890.17	142.53	2,032.70	127.17	2,159.87	189.33	2,356.20				
	avg	3.93	4.38	8.31	4.64	12.97	5.09	18.06	4.69	22.95	5.02	27.96	6.18	34.14	5.71	39.85	5.15	45.00	3.36	48.40	3.03	51.43	4.67	58.10				
43	1936	8.25	5.11	13.36	2.11	15.47	5.55	21.02	4.36	25.38	0.70	26.08	6.41	32.49	5.89	38.38	4.90	43.28	3.22	46.50	2.94	49.44	3.48	52.92	4.41	-3.11		
	total	173.14	189.16	382.30	197.89	560.19	219.20	779.39	209.73	980.13	211.39	1,200.51	265.89	1,466.40	245.87	1,712.27	221.18	1,933.45	145.75	2,079.20	150.11	2,209.31	189.81	2,409.12				
	avg	4.03	4.40	8.43	4.60	13.03	5.10	18.13	4.88	23.00	4.92	27.97	6.18	34.10	5.72	39.82	5.14	44.98	3.36	48.35	3.03	51.38	4.65	58.03				
44	1937	3.84	2.00	5.84	5.08	10.92	6.95	17.87	3.57	21.44	8.85	30.38	3.73	34.11	5.14	39.25	5.19	44.44	24.62	69.06	1.29	70.35	3.57	73.92	5.18	17.49		
	total	176.98	191.16	388.14	202.97	571.11	229.15	797.26	213.30	1,010.56	220.34	1,230.90	269.61	1,500.51	251.01	1,751.52	226.37	1,977.89	170.37	2,148.26	131.40	2,279.66	203.38	2,483.04				
	avg	4.02	4.34	8.37	4.61	12.98	5.14	18.12	4.85	22.97	5.01	27.96	6.13	34.10	5.70	39.81	5.14	44.95	3.87	48.62	2.99	51.81	4.62	58.43				
45	1938	4.95	1.70	6.35	1.08	7.43	2.88	10.29	2.45	12.69	3.33	16.02	8.30	24.32	4.18	28.50	5.08	33.58	0.05	34.21	2.07	36.28	4.29	40.57	3.38	-15.51		
	total	181.93	182.86	374.49	204.05	378.54	228.01	607.55	215.70	1,023.25	223.67	1,246.92	277.91	1,524.83	255.19	1,780.02	231.43	2,011.45	175.02	2,182.47	123.47	2,315.94	207.67	2,523.61				
	avg	4.04	4.29	8.32	4.53	12.98	5.09	17.95	4.79	22.74	4.97	27.71	6.18	33.89	5.67	39.56	5.14	44.70	3.80	48.90	2.92	51.47	4.61	58.96				
46	1939	2.06	3.87	5.93	1.24	7.17	1.99	10.16	10.51	20.67	3.75	24.42	4.60	29.02	5.54	34.56	7.18	37.74	0.36	38.10	3.06	41.16	2.38	43.54	3.83	-12.27		
	total	183.69	196.73	380.42	205.29	585.71	232.00	817.71	226.21	1,043.92	227.42	1,271.34	282.51	1,553.85	260.73	1,814.58	234.81	2,049.19	171.38	2,220.57	136.55	2,357.12	210.03	2,567.15				
	avg	3.99	4.28	8.27	4.46	12.73	5.04	17.78	4.92	22.89	4.94	27.64	6.14	33.78	5.67	39.45	5.10	44.55	3.73	48.27	2.97	51.24	4.57	55.81				
47	1940	4.59	7.92	12.51	4.23	16.74	10.11	26.85	0.86	27.71	6.83	34.54	9.92	44.46	9.57	54.03	7.79	61.82	1.00	62.91	1.09	64.00	7.64	71.64	5.97	15.50		
	total	188.28	204.65	392.93	209.52	607.45	242.11	844.58	227.07	1,071.65	234.25	1,305.88	282.43	1,588.31	270.30	1,868.61	242.40	2,111.01	172.47	2,283.48	137.54	2,421.12	217.67	2,638.79				
	avg	4.01	4.35	8.36	4.46	12.82	5.15	17.97	4.83	22.80	4.98	27.78	6.22	34.01	5.75	39.76	5.15	44.92	3.67	48.58	2.92	51.51	4.63	58.14				
48	1941	3.90	2.66	6.56	2.64	9.20	2.74	11.94	2.55	14.40	12.77	27.26	7.53	34.79	5.97	40.76	6.03	48.79	5.84	52.33	1.90	54.00	3.32	57.32	4.78	1.15		
	total	192.18	207.31	399.49	212.19	611.85	244.85	856.50	229.62	1,086.12	247.02	1,333.14	299.96	1,633.10	278.27	1,909.37	248.43	2,152.80	178.01	2,335.81	139.31	2,475.12	220.89	2,696.11				
	avg	4.00	4.32	8.22	4.42	12.74	5.10	17.84	4.78	22.63	5.15	27.77	6.26	34.02	5.76	39.76	5.15	44.95	3.71	48.66	2.90	51.57	4.60	58.17				
49	1942	1.18	10.13	11.31	7.13	16.44	1.38	19.90	5.83	25.03	13.29	29.82	6.57	46.49	12.00	58.58	4.62	63.40	4.16	67.56	2.22	69.78	3.78	73.57	8.13	17.06		
	total	193.36	217.44	410.80	219.29	630.69	246.21	878.30	235.45	1,111.75	261.31	1,373.06	306.53	1,679.59	284.36	1,967.95	253.25	2,221.20	182.17	2,403.37	141.53	2,544.90	224.78	2,769.68				
	avg	3.95	4.44	8.38	4.48	12.96	5.02	17.98	4.61	22.69	5.33	28.02	6.28	34.28	5.86	40.10	5.17	45.33	3.72	49.08	2.89	51.84	4.59	58.52				
50	1943	2.29	1.39	3.68	7.86	11.54	1.42	13.01	2.67	15.68	3.11	18.79	6.73	25.52	3.80	29.32	13.20	42.52	0.76	43.28	1.40	44.68	5.04	49.72	4.14	-8.67		
	total	195.65	218.83	414.48	227.15	641.63	247.68	889.31	238.12	1,127.43	284.42	1,391.85	313.28	1,705.11	292.16	1,997.27	266.45	2,263.72	182.93	2,448.65	142.92	2,589.56	226.82	2,819.40				
	avg	3.91	4.38	8.29	4.54	12.83	4.95	17.79	4.75	22.55	5.29	27.64	6.27	34.10	5.84	39.95	5.33	45.27	3.66	48.93	2.86	51.79	4.60	58.39				
51	1944	8.02	4.70	12.72	5.93	18.65	8.21	27.86	4.27	32.13	3.29	35.42	4.39	38.81	8.10	48.00	5.66	51.66	0.96	52.62	12.12	64.74	2.37	67.11	5.50	10.51		
	total	203.67	223.53	427.20	233.08	660.28	256.89	917.17	242.39	1,159.56	267.71	1,427.27	317.65	1,744.92	299.35	2,043.27	272.11	2,315.38	183.89	2,499.27	155.05	2,654.32	232.19	2,866.51				
	avg	3.99	4.38	8.38	4.57	12.95	5.04	17.98	4.75	22.74	5.25	27.99	6.23	34.21	5.85	40.06	5.34	45.40	3.61	49.01	3.04	52.05	4.55	58.80				
52	1945	4.89	4.69	9.38	2.30	11.68	5.35	17.03	2.82	19.85	4.02	23.87	12.01	35.88	5.16	41.04	8.70	47.74	2.56	50.32	2.83	52.95	5.31	58.26	4.86	1.63		
	total	208.36	226.22	436.56	235.38	671.96	262.24	934.20	245.21	1,179.41	271.73	1,451.14	329.66	1,780.80	303.51	2,084.31	278.61	2,362.12	190.47	2,549.59	157.68	2,707.27	237.50	2,944.77				
	avg	4.01	4.39	8.40	4.53	12.92	5.04	17.97	4.72	22.68	5.23	27.91	6.34	34.25	5.84	40.08	5.38	45.44	3.59	49.03	3.03	52.06	4.57	58.63				
53	1946	5.13	3.82	8.95	15.10	24.05	3.04	27.33	8.53	35.86	7.22	43.08	6.70	48.78	4.90	53.28	8.25	61.53	0.21	61.74	3.21	65.05	2.37	67.42	5.62	10.58		
	total	213.49	232.04	445.53	250.48	696.01	295.52	961.53	253.74	1,215.27	278.95	1,494.22	335.38	1,829.58	308.01	2,137.59	287.06	2,424.65	186.68	2,611.33	160.99	2,772.32	239.87	3,012.19				
	avg	4.03	4.38	8.41	4.73	13.17	5.01	18.14	4.79	22.93	5.26	28.19	6.33	34.52	5.81	40.33	5.42	45.75	3.52	49.27	3.04	52.31	4.53	58.83				
54	1947	7.50	7.60	15.10	7.46	17.56	8.09	25.67	5.47	31.14	6.66	37.80	3.14															

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

YEAR No.	YEAR	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		ANNUAL MONTHLY 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		
61	1954	3.98	1.57	5.15	2.64	7.79	1.00	8.79	3.95	12.74	3.58	18.32	8.04	24.38	9.75	28.11	5.90	34.07	3.87	37.74	2.81	40.55	5.06	45.63	3.80	-11.28	
	total avg	242.72	259.57	502.29	311.92	814.21	308.82	1,123.03	278.44	1,399.47	316.15	1,715.62	388.40	2,105.02	347.14	2,452.18	328.24	2,780.40	201.02	2,981.42	203.40	3,184.82	285.21	3,470.03			
62	1955	6.09	5.62	11.71	0.09	11.80	6.96	18.76	4.86	23.62	2.75	26.37	12.17	38.54	12.35	50.89	7.19	58.08	1.53	59.61	3.24	62.85	2.37	65.22	5.44	8.20	
	total avg	248.81	265.19	514.00	212.01	825.01	315.78	1,141.79	281.30	1,423.08	318.90	1,741.00	401.57	2,143.58	359.49	2,503.05	335.43	2,838.48	292.55	3,041.00	296.64	3,247.67	287.58	3,535.25			
63	1956	2.22	8.44	10.66	4.24	14.90	3.88	18.78	4.98	23.72	11.80	35.52	6.67	42.39	3.07	46.36	9.79	56.15	1.23	57.38	1.27	58.75	6.60	65.35	5.45	8.20	
	total avg	251.03	273.63	524.66	315.25	840.91	319.64	1,160.55	288.26	1,448.81	330.70	1,777.51	400.44	2,185.95	393.40	2,548.41	345.22	2,894.63	293.78	3,088.41	298.01	3,300.47	284.18	3,600.60			
64	1957	1.30	2.42	3.72	9.44	13.16	5.74	18.90	2.86	21.78	7.68	29.68	5.77	35.45	7.12	42.55	11.48	54.04	1.67	55.71	3.95	59.66	3.29	62.94	5.28	5.70	
	total avg	252.33	278.05	528.38	325.69	854.07	325.38	1,179.45	288.14	1,468.58	338.58	1,807.17	414.21	2,221.38	370.58	2,591.96	356.71	2,948.67	295.45	3,154.12	211.98	3,366.06	297.46	3,663.54			
65	1958	6.03	3.61	9.64	8.26	17.90	3.18	21.08	7.25	28.33	3.86	32.19	6.68	40.87	4.81	45.68	5.08	51.84	1.03	52.67	1.19	53.83	1.30	55.13	4.50	-7.68	
	total avg	258.36	279.66	538.02	333.95	871.97	328.56	1,200.53	298.39	1,498.92	342.44	1,838.36	422.09	2,262.25	275.29	2,537.64	362.07	3,000.31	296.48	3,296.79	213.12	3,419.91	298.79	3,718.67			
66	1959	3.97	4.30	8.28	5.14	13.41	3.05	18.47	4.56	23.03	5.27	28.30	8.51	34.80	5.76	40.56	5.58	46.16	3.18	49.34	3.28	52.61	4.60	57.21			
	total avg	261.81	290.29	552.10	338.24	890.54	332.33	1,222.87	308.19	1,530.86	348.43	1,879.29	437.13	2,316.42	380.72	2,697.14	365.70	3,062.84	213.66	3,276.50	214.17	3,490.67	301.09	3,791.77			
67	1960	4.40	5.40	9.80	4.85	14.65	6.56	21.21	4.41	25.62	1.78	27.40	6.12	33.52	7.15	40.67	3.98	44.65	4.12	48.77	3.21	51.98	4.04	56.02	4.87	-1.41	
	total avg	266.21	295.69	581.90	343.09	904.99	338.89	1,243.08	312.60	1,556.48	350.21	1,906.68	443.25	2,349.94	387.87	2,737.81	368.84	3,107.65	217.78	3,325.27	217.38	3,542.65	305.19	3,847.75			
68	1961	3.97	4.41	8.38	5.12	13.51	5.06	18.57	4.87	23.23	5.23	29.46	6.02	35.07	5.79	40.86	5.52	46.38	3.26	49.64	3.25	52.89	4.56	57.45			
	total avg	272.87	304.32	577.19	348.93	927.12	343.15	1,270.27	319.16	1,589.43	360.97	1,950.40	451.00	2,401.40	389.11	2,794.51	375.35	3,169.86	221.14	3,381.00	223.38	3,614.38	311.87	3,926.25			
69	1962	3.40	1.75	5.15	1.18	6.33	3.12	9.45	0.80	10.25	8.83	18.88	3.26	22.14	5.85	27.99	4.31	32.30	1.70	34.00	2.91	36.91	4.77	39.68	3.31	-17.80	
	total avg	278.27	306.07	582.34	351.11	933.45	348.27	1,279.72	319.06	1,599.68	369.80	1,969.28	454.26	2,423.54	388.96	2,822.50	379.66	3,202.16	222.84	3,425.00	225.29	3,651.29	314.84	3,968.03			
70	1963	4.00	4.44	8.44	5.09	13.53	5.02	18.55	4.94	23.18	5.36	28.54	6.58	35.12	5.78	40.91	5.50	46.41	3.23	49.64	3.38	52.92	4.56	57.48			
	total avg	280.98	311.72	592.70	352.17	944.67	348.26	1,293.13	321.51	1,614.64	377.67	1,992.51	460.75	2,453.26	402.09	2,855.34	367.20	3,242.00	222.84	3,465.44	234.70	3,700.14	319.95	4,019.99			
71	1964	10.52	5.39	15.91	6.03	21.94	8.55	30.49	1.24	31.73	4.04	35.77	7.67	43.44	8.54	51.98	4.88	53.22	4.20	57.42	3.16	60.58	3.83	63.81	5.28	5.90	
	total avg	291.50	317.11	608.61	358.20	968.81	356.81	1,323.62	322.75	1,646.37	381.91	2,028.28	468.42	2,486.70	497.18	2,893.88	381.94	3,295.82	227.64	3,522.86	237.86	3,760.72	322.66	4,083.40			
72	1965	6.90	5.18	12.08	3.04	15.12	1.31	16.43	3.58	20.02	5.35	25.37	4.77	30.14	9.15	39.29	6.78	46.05	1.07	47.12	1.60	48.72	6.71	55.43	4.62	-2.05	
	total avg	298.40	322.29	620.69	361.24	981.93	358.12	1,340.05	328.34	1,668.39	387.26	2,053.65	473.19	2,526.84	416.33	2,943.17	388.70	3,341.67	228.11	3,569.98	239.48	3,809.44	329.38	4,128.83			
73	1966	4.14	4.48	8.62	5.02	13.64	4.97	18.61	4.53	23.14	5.38	28.52	6.57	35.10	5.78	40.88	5.54	46.41	3.17	49.58	3.33	52.91	4.57	57.48			
	total avg	310.60	331.43	642.03	384.65	1,008.68	385.00	1,371.68	334.08	1,705.77	389.56	2,095.33	482.43	2,577.76	424.15	3,001.91	405.24	3,407.15	231.06	3,638.21	239.68	3,878.18	334.75	4,212.84			
74	1967	4.25	4.54	8.79	5.00	13.79	5.00	18.79	4.58	23.37	5.34	28.70	6.81	35.31	5.81	41.12	5.55	46.67	3.17	49.84	3.29	53.13	4.69	57.71			
	total avg	314.20	338.58	652.78	388.19	1,018.07	387.93	1,388.00	337.69	1,725.69	393.56	2,117.55	489.83	2,607.38	433.66	3,041.06	411.51	3,452.57	236.98	3,689.55	240.54	3,930.09	343.79	4,273.88			
75	1968	4.25	4.58	8.82	4.85	13.77	4.97	18.74	4.58	23.30	5.32	28.62	6.82	35.23	5.86	41.10	5.56	46.66	3.20	49.86	3.25	53.11	4.85	57.76			
	total avg	315.15	341.06	657.01	388.05	1,025.00	371.32	1,396.38	342.15	1,738.53	400.27	2,138.80	485.04	2,633.84	438.31	3,073.15	413.68	3,486.84	240.58	3,727.40	245.55	3,972.95	351.63	4,324.58			
76	1969	4.20	4.56	8.76	4.91	13.67	4.95	18.62	4.58	23.18	5.34	28.52	6.80	35.12	5.86	40.98	5.52	46.49	3.21	49.70	3.27	52.97	4.69	57.86			
	total avg	318.28	340.26	664.54	375.56	1,040.10	373.85	1,415.95	348.07	1,764.02	401.51	2,165.53	500.91	2,668.24	447.62	3,113.97	418.08	3,500.05	241.37	3,772.02	247.14	4,019.16	357.53	4,376.69			
77	1970	4.19	4.56	8.74	4.84	13.68	4.95	18.63	4.58	23.21	5.26	28.49	6.59	35.08	5.89	40.97	5.48	46.46	3.18	49.63	3.25	52.88	4.70	57.56			
	total avg	322.27	348.73	671.00	383.21	1,054.21	376.67	1,430.88	354.79	1,785.67	406.10	2,191.77	509.95	2,701.72	456.02	3,157.74	422.54	3,590.30	245.00	3,828.30	248.04	4,074.34	360.69	4,435.00			
78	1971	4.19	4.53	8.71	4.98	13.69	4.89	18.58	4.61	23.19	5.22	28.48	6.62	35.09	5.90	41.01	5.49	46.50	3.19	49.69	3.22	52.91	4.68	57.80			
	total avg	324.12	353.37	677.49	386.74	1,084.23	377.52	1,441.75	356.85	1,798.60	410.29	2,209.89	516.43	2,725.32	461.55	3,186.87	437.84	3,624.71	247.12	3,871.83	251.63	4,123.46	367.14	4,480.90			
79	1972	4.16	4.52	8.69	4.90	13.64	4.84	18.48	4.58	23.06	5.26	28.32	6.62	34.84	5.92	40.80	5.81	46.47	3.17	49.64	3.23	52.88	4.71	57.57			
	total avg	330.29	358.66	686.95	392.21	1,081.16	378.88	1,460.04	383.47	1,843.51	411.49	2,235.00	524.76	2,759.76	464.23	3,223.99	441.50	3,665.49	251.06	3,916.55	250.19	4,178.74	374.07	4,550.81			
80	1973	4.16	4.54	8.72	4.88	13.60	4.80	18.48	4.80	23.08	5.21	28.29	6.64	34.83	5.88	40.81	5.59	46.40	3.18	49.58	3.29	52.87	4.74	57.51			
	total avg	332.58	363.52	696.08	402.58	1,088.64	388.99	1,488.63	388																		

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

YEAR No.	YEAR	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		ANNUAL MONTHLY 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			
81	1874	7.88	4.50	17.04	5.04	17.08	5.49	27.57	10.98	33.55	1.90	35.48	5.70	41.18	7.87	49.05	5.00	54.04	6.53	60.57	8.81	62.40	5.00	67.40	5.92	8.43		
	total	340.04	368.08	708.12	407.80	1,115.72	395.48	1,511.20	378.58	1,890.79	419.23	2,310.02	537.39	2,847.41	478.44	3,325.85	458.34	3,784.19	254.88	4,039.07	271.11	4,306.18	387.57	4,693.75				
82	1875	4.20	4.54	8.74	5.03	13.77	4.88	18.65	4.89	23.54	5.18	28.72	6.63	35.15	5.88	41.04	5.86	46.89	3.15	48.64	3.95	53.19	4.78	57.97	8.02	14.03		
	total	343.63	372.97	716.60	412.70	1,129.50	401.20	1,530.50	383.26	1,917.78	432.32	2,350.08	545.28	2,895.36	485.04	3,380.40	493.72	3,874.12	297.84	4,171.78	275.28	4,447.06	392.35	4,839.41				
83	1876	4.19	4.95	8.74	5.03	13.77	4.88	18.65	4.72	23.30	5.27	28.86	6.65	35.31	5.92	41.22	5.86	46.88	3.14	50.02	3.36	53.36	4.77	58.15	4.54	-3.58		
	total	345.86	376.72	722.58	415.51	1,138.09	402.00	1,540.09	393.97	1,934.06	438.54	2,372.80	551.73	2,924.33	488.50	3,412.83	495.40	3,908.23	263.29	4,171.52	281.31	4,452.83	399.07	4,851.90				
84	1877	4.17	4.94	8.71	5.01	13.71	4.84	18.56	4.79	23.30	5.28	28.59	6.65	35.23	5.80	41.12	5.61	46.73	3.17	49.90	3.39	53.29	4.62	58.10	5.85	9.52		
	total	351.26	379.47	730.73	422.07	1,152.80	405.57	1,558.37	398.06	1,954.43	439.72	2,394.15	558.58	2,952.73	504.48	3,455.19	474.46	3,929.65	266.01	4,197.96	288.98	4,486.84	403.60	4,890.44				
85	1878	4.18	4.52	8.70	5.02	13.72	4.83	18.55	4.72	23.27	5.22	28.50	6.63	35.13	6.01	41.13	5.85	46.78	3.18	49.97	3.44	53.41	4.80	58.22	5.80	8.88		
	total	352.38	381.74	744.10	425.65	1,189.75	408.56	1,578.31	408.71	1,985.02	447.76	2,432.78	583.61	2,996.39	511.92	3,508.31	477.82	3,986.13	268.01	4,253.94	294.48	4,548.40	409.04	4,957.44				
86	1879	4.28	4.49	8.75	5.01	13.76	4.81	18.57	4.78	23.35	5.27	28.82	6.63	35.25	6.02	41.27	5.82	46.89	3.15	50.05	3.48	53.51	4.81	58.32	6.68	0.25		
	total	357.85	390.22	781.04	430.02	1,191.08	412.22	1,603.30	411.50	2,014.81	448.87	2,463.78	572.84	3,036.62	518.25	3,554.87	493.17	4,048.04	289.18	4,337.19	299.00	4,636.19	411.83	5,048.02				
87	1880	4.28	4.52	8.65	5.00	13.65	4.79	18.54	4.78	23.43	5.22	28.65	6.66	35.31	6.00	41.31	5.82	46.82	3.13	50.06	3.48	53.54	4.79	58.33	8.01	13.68		
	total	373.14	398.42	789.56	440.34	1,208.90	430.88	1,640.78	419.90	2,060.68	450.27	2,510.95	578.31	3,089.26	519.96	3,609.22	498.14	4,097.36	274.99	4,372.35	302.73	4,674.56	413.81	5,088.19				
88	1881	4.29	4.56	8.65	5.06	13.91	4.95	18.86	4.83	23.69	5.18	28.88	6.65	35.51	5.88	41.69	5.61	47.10	3.18	50.26	3.47	53.73	4.75	58.48	3.89	-11.96		
	total	373.72	404.38	778.10	442.30	1,226.40	432.23	1,652.63	423.60	2,076.23	459.83	2,536.06	592.00	3,118.14	525.28	3,643.42	491.60	4,135.02	278.20	4,411.22	302.99	4,714.21	420.87	5,134.85				
89	1882	4.25	4.60	8.64	5.03	13.67	4.91	18.82	4.81	23.59	5.23	28.82	6.61	35.43	5.97	41.40	5.59	46.89	3.14	50.13	3.44	53.57	4.78	58.35				
	total	375.47	404.22	785.69	445.75	1,231.44	438.67	1,671.11	426.93	2,098.04	463.66	2,561.70	590.22	3,151.92	530.87	3,682.79	498.43	4,179.22	290.02	4,459.24	306.45	4,765.69	430.88	5,195.54				
90	1883	4.22	4.61	8.63	5.01	13.84	4.94	18.78	4.80	23.57	5.21	28.78	6.63	35.41	5.98	41.38	5.88	46.96	3.16	50.10	3.44	53.55	4.84	58.39	6.72	21.99		
	total	380.28	419.13	799.41	449.89	1,249.50	457.54	1,708.94	430.64	2,137.68	472.94	2,610.62	593.14	3,203.76	538.79	3,740.55	503.25	4,243.80	294.30	4,528.10	310.75	4,818.85	438.33	5,277.18				
91	1884	4.22	4.69	8.58	5.00	13.88	5.00	18.98	4.80	23.75	5.25	29.01	6.59	35.80	5.98	41.58	5.58	47.15	3.16	50.31	3.45	53.77	4.87	58.64				
	total	370.50	403.13	806.11	453.79	1,261.98	459.38	1,721.28	433.37	2,154.65	478.02	2,632.67	598.88	3,231.31	543.41	3,774.72	504.85	4,279.50	296.42	4,568.00	313.30	4,879.30	440.18	5,318.48				
92	1885	4.22	4.65	8.58	4.99	13.87	5.05	18.92	4.76	23.68	5.25	28.93	6.58	35.51	5.97	41.46	5.55	47.01	3.15	50.16	3.44	53.62	4.84	58.48	5.33	5.43		
	total	368.46	430.63	819.11	460.72	1,279.83	459.85	1,739.88	434.43	2,174.11	481.38	2,655.47	608.27	3,261.74	580.89	3,812.33	511.07	4,323.40	301.42	4,624.82	314.36	4,939.18	444.25	5,383.43				
93	1886	4.22	4.66	8.90	5.01	13.91	5.00	18.91	4.72	23.63	5.23	28.86	6.59	35.45	5.98	41.44	5.56	46.99	3.28	50.27	3.42	53.69	4.83	58.52	4.05	0.85		
	total	392.05	434.96	827.01	463.72	1,290.73	481.23	1,751.98	436.26	2,188.22	487.17	2,675.39	611.94	3,287.33	598.53	3,843.86	514.50	4,358.36	303.67	4,662.03	320.92	4,982.96	449.04	5,431.99				
94	1887	4.22	4.88	8.89	4.99	13.88	4.95	18.94	4.69	23.53	5.24	28.77	6.58	35.35	5.99	41.32	5.52	46.85	3.27	50.13	3.45	53.58	4.83	58.41				
	total	400.73	441.34	842.07	469.09	1,311.18	482.54	1,773.70	441.35	2,215.05	496.94	2,711.99	616.01	3,328.00	560.90	3,888.90	516.72	4,405.62	304.10	4,709.72	324.28	5,034.00	451.16	5,485.16				
95	1888	4.26	4.79	8.96	4.99	13.95	4.92	18.87	4.70	23.56	5.28	28.85	6.59	35.40	5.97	41.37	5.50	46.87	3.24	50.10	3.45	53.58	4.80	58.35	8.33	17.36		
	total	404.92	452.26	857.18	477.87	1,334.85	479.78	1,808.83	443.69	2,252.32	503.39	2,755.71	619.91	3,375.62	572.64	3,948.26	528.31	4,476.57	305.02	4,782.19	325.96	5,108.17	452.81	5,561.08				
96	1889	4.26	4.78	8.92	5.03	14.02	4.89	19.04	4.97	23.71	5.30	29.01	6.53	35.30	6.03	41.56	5.56	47.12	3.22	50.34	3.43	53.77	4.77	58.54	4.74	-1.85		
	total	408.63	452.27	858.90	484.11	1,343.01	477.03	1,820.04	467.50	2,287.83	508.04	2,775.87	629.44	3,405.11	574.89	3,979.70	531.20	4,510.90	307.33	4,818.23	341.42	5,159.65	458.30	5,617.95				
97	1890	4.24	4.71	8.95	5.04	13.99	4.97	18.96	4.86	23.62	5.29	28.91	6.56	35.47	5.99	41.46	5.53	46.99	3.20	50.19	3.56	53.75	4.77	58.52				
	total	418.02	460.93	878.95	490.14	1,367.09	476.35	1,844.44	456.59	2,303.03	513.33	2,816.36	632.02	3,448.38	577.32	4,025.70	538.03	4,560.73	310.01	4,870.74	344.68	5,215.22	484.03	5,670.25				
98	1891	4.29	4.75	8.94	5.05	14.09	4.94	19.04	4.71	23.74	5.29	29.03	6.52	35.95	5.95	41.50	5.52	47.02	3.20	50.21	3.55	53.77	4.78	58.55	5.11	2.25		
	total	438.61	485.23	904.84	487.25	1,402.09	488.01	1,900.10	479.83	2,379.93	528.63	2,898.76	641.29	3,539.05	583.92	4,123.97	538.50	4,661.58	311.74	4,973.30	348.71	5,320.01	488.33	5,788.34				
99	1892	4.49	4.78	9.23	5.07	14.31	5.08	19.39	4.80	24.19	5.38	29.57	6.54	36.11	5.99	42.07	5.50	47.57	3.18	50.75	3.54	54.28	4.78	59.06				
	total	451.65	475.73	928.98	504.82	1,431.80	499.67	1,931.47	471.74	2,403.21	535.23	2,938.44	645.84	3,584.28	594.67	4,178.90	545.03	4,724.83	311.90	5,036.73	363.28	5,400.01						

YEAR No.	YEAR	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		ANNUAL MONTHLY 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				
101	1994	3.22	0.43	3.85	5.14	8.79	1.44	10.23	6.21	16.44	7.88	24.32	6.14	33.46	4.00	37.46	7.00	44.46	3.27	47.73	2.40	50.13	3.75	53.88	4.48	58.36			
	total avg	482.86	477.95	940.81	517.60	1,458.61	506.52	1,965.13	484.90	2,450.03	550.42	3,000.45	660.78	3,661.23	801.82	4,263.05	598.24	4,861.29	319.51	5,138.80	368.34	5,507.14	481.50	5,988.64					
102	1995	3.53	4.06	8.49	9.79	18.28	5.17	23.45	20.81	44.36	1.98	46.34	7.87	54.01	2.88	57.00	1.20	58.20	2.05	60.25	2.99	63.24	3.80	67.04	5.57	72.61	7.47		
	total avg	466.38	482.91	949.30	527.59	1,478.89	511.69	1,988.58	505.81	2,494.39	552.40	3,046.79	668.65	3,715.24	604.81	4,320.05	557.44	4,877.49	321.56	5,199.05	371.33	5,570.38	485.10	6,055.48					
103	1996	3.57	2.55	6.07	4.47	10.54	4.92	15.46	2.41	17.87	5.90	23.77	7.27	31.04	5.82	36.86	3.11	39.97	0.97	40.94	3.42	44.36	4.86	49.02	4.06	53.08	10.25		
	total avg	468.91	485.48	955.37	532.06	1,487.43	516.61	2,004.04	508.22	2,512.26	558.30	3,070.56	675.72	3,746.28	610.63	4,356.91	580.55	4,937.46	322.53	5,259.99	374.75	5,634.74	489.76	6,104.50					
104	1997	4.56	4.71	9.26	5.17	14.44	3.02	18.66	4.93	24.30	5.42	29.81	6.56	36.37	5.93	42.30	5.44	47.74	3.13	50.87	3.64	54.51	4.75	59.27	4.06	63.33	3.78	67.11	
	total avg	5.04	3.70	8.80	3.50	12.30	5.43	17.73	5.48	23.21	4.84	28.05	4.30	32.35	1.92	34.27	0.52	34.79	1.21	36.00	7.26	43.26	1.90	45.16					
105	1998	4.74	4.06	8.80	9.64	17.48	5.35	22.83	1,499.73	522.04	2,021.77	513.70	2,535.47	563.14	3,098.61	600.02	3,778.63	612.55	4,391.18	591.07	4,982.25	323.74	5,275.99	382.01	5,658.00	491.86	6,149.86	13.97	
	total avg	4.57	4.70	9.27	5.15	14.42	5.02	19.44	4.94	24.38	5.41	29.78	6.54	36.33	5.88	42.22	5.39	47.62	3.11	50.73	3.67	54.40	4.73	59.13					
106	1999	10.70	5.03	15.73	9.28	25.01	4.12	29.13	0.74	29.87	3.26	33.15	5.02	38.17	7.58	45.75	29.90	72.65	0.98	73.63	3.85	77.30	1.74	79.04	6.58	85.62	10.72		
	total avg	405.95	494.25	979.90	544.84	1,524.74	526.16	2,050.90	514.44	2,565.34	588.42	3,131.76	665.04	3,816.80	670.14	4,439.94	587.97	5,024.91	324.73	5,349.64	385.90	5,735.30	493.60	6,229.70					
107	2000	3.08	0.45	3.51	4.18	7.89	0.03	7.72	4.86	12.58	10.37	22.85	2.84	25.79	3.97	29.76	4.00	33.76	4.07	37.83	0.16	37.99	2.76	40.75	3.40	44.15	18.40		
	total avg	488.71	494.70	983.41	549.02	1,532.43	526.19	2,058.62	519.30	2,577.92	578.79	3,154.71	687.88	3,842.59	674.11	4,466.70	591.97	5,058.67	326.80	5,385.47	385.82	5,773.29	496.16	6,269.45					
108	2001	4.61	4.67	9.28	5.18	14.46	4.96	19.42	4.80	24.32	5.44	29.76	6.49	36.25	5.99	42.14	5.58	47.72	3.10	50.83	3.64	54.47	4.88	59.35	4.06	63.41	3.89	67.30	
	total avg	2.60	0.86	3.46	1.75	5.21	1.36	6.57	0.37	6.84	6.69	13.63	1.71	15.34	3.27	18.61	6.39	25.00	2.53	27.53	13.43	40.96	3.27	44.23	3.89	47.12	14.78		
109	2002	4.91	4.95	9.86	5.27	15.13	5.27	20.40	2,065.19	519.67	2,584.86	563.48	3,148.34	659.96	3,808.30	677.35	4,485.31	586.36	5,002.67	331.33	5,415.00	386.25	5,814.25	499.47	6,313.86	5.06	6.83		
	total avg	4.59	4.83	9.22	5.15	14.37	4.93	19.30	4.86	24.18	5.45	29.61	6.44	36.06	5.86	41.82	5.58	47.40	3.10	50.61	3.73	54.34	4.67	59.01					
110	2003	3.02	1.04	4.06	11.44	15.50	0.53	16.03	2.02	18.05	19.08	37.13	7.47	44.80	7.04	51.84	5.62	57.46	4.35	61.81	3.29	65.10	3.02	68.12	5.06	73.18	8.43		
	total avg	494.33	490.60	990.93	593.21	1,553.14	528.08	2,081.22	521.68	2,602.91	602.56	3,205.47	697.06	3,902.53	634.42	4,536.95	609.98	5,140.93	335.88	5,478.81	402.54	5,879.15	502.45	6,381.60					
110	2004	4.58	4.60	9.18	5.21	14.39	4.89	19.27	4.83	24.10	5.88	29.88	6.45	36.13	5.87	42.01	5.59	47.60	3.11	50.71	3.73	54.44	4.88	59.09	4.06	63.15	8.24	67.03	
	total avg	496.30	490.83	987.13	588.98	1,584.11	531.58	2,095.89	523.96	2,619.85	608.05	3,227.70	702.80	3,930.50	840.05	4,570.84	626.40	5,197.04	345.48	5,542.50	406.53	5,949.03	507.43	6,456.46					
110	2005	4.57	4.58	9.15	5.20	14.35	4.88	19.23	4.81	24.03	5.56	29.61	6.45	36.06	5.87	41.93	5.75	47.68	3.17	50.85	3.73	54.58	4.66	59.23	4.06	63.29	8.25		
	total avg	488.42	504.91	1,003.33	671.63	1,574.96	536.97	2,111.93	528.28	2,638.21	625.84	3,264.05	712.06	3,976.11	849.58	4,619.89	628.90	5,248.80	348.70	5,597.29	411.54	6,008.83	509.54	6,518.37					
	avg	4.53	4.59	9.12	5.20	14.32	4.88	19.20	4.78	23.98	5.69	29.07	6.47	36.15	5.85	42.00	5.72	47.71	3.17	50.86	3.74	54.63	4.83	59.26	4.06	63.33	8.25	67.03	

**COST OF OPERATIONS IDENTIFICATION PROGRAM
BENCHMARKING 2003**

ADMINISTRATIVE SERVICES DEPARTMENT

Insurance Cost per Employee:

Workers' Compensation	\$ 2,201.00
Auto Liability	\$ 523.00
General Liability	\$ 203.00

ENGINEERING DEPARTMENT

Cost to Design a Project	5.8%
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ENVIRONMENTAL DEPARTMENT

Cost of Typical Industry Sampling Event	\$ 381.42
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FACILITY MAINTENANCE DEPARTMENT

Cost to set 5/8" water meter	\$ 64.98
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MANAGEMENT SERVICES DEPARTMENT

FINANCE:

Cost to Process a Miscellaneous Invoice	\$ 8.98
Cost to process a Vendor Invoice	\$ 6.25
Cost to process a Paycheck	\$ 4.26

INFORMATION SYSTEMS:

Cost to Image a Document	\$ 0.74
Cost to Retrieve a Document From the Imaging System	\$ 2.93
Cost to Retrieve a Document From the Microfiche Files/Storage	\$ 23.13

PERSONNEL:

Cost to Hire an Employee	\$ 492.37
Cost to complete a Voluntary Employee Termination	\$ 15.16
Employee Turnover Rate	13%
Cost to Train an Employee:	\$ 300.54

PURCHASING:

Cost to Process a Sundry Purchase Order	\$ 18.74
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REVENUE:

Cost to Read a Meter	\$ 0.47
Cost to Render a Bill (Less Meter Reading)	\$ 0.50
Cost to Manage a Customer by Phone	\$ 1.96
Cost to Manage a Customer by Mail	\$ 3.79
Cost to Manage a Walk-in Customer	\$ 9.20
Cost to Process a Mail-in Payment	\$ 0.30
Cost to Process a Walk-in Payment	\$ 1.07

SUPPORT SERVICES DEPARTMENT

Average Annual Maintenance Cost per Piece of Equipment	\$ 1,811.00
Average Percent of Fleet Down for 2002	25%