

Sewerage and Water Board

OF NEW ORLEANS, LA.



COMPREHENSIVE ANNUAL FINANCIAL REPORT

FOR THE YEAR ENDED DECEMBER 31, 2002

About the Cover:

The headworks at the East Bank Sewage Treatment Plant was recently renovated with major structural rehabilitation and new mechanical components at a cost of \$5.9 million. The headworks, the first step in the treatment process, removes large solids and grit from raw sewage and transports the effluent to the biological treatment processes. The improvements are part of the Sewerage and Water Board's overall program to upgrade the sewage treatment plants on both sides of the river.

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, 2002

TABLE OF CONTENTS

I.	INTRODUCTORY SECTION	Page(s)
	Transmittal Letter	I-1
	Graph	I-7
	Certificate of Achievement for Excellence in Financial Reporting	1-9
	Officers of the Sewerage and Water Board of New Orleans	I-11
	Members of the Sewerage and Water Board of New Orleans	I-12
	Committees of the Sewerage and Water Board of New Orleans	I-13
	Organizational Chart	I-14
	Department Heads of Deputy Director Department Heads of General Superintendent Department Heads of Management Services Director	I-15 I-16 I-17
И.	FINANCIAL SECTION	
	Independent Auditors' Report Management's Discussion and Analysis	II-1
	(Required Supplementary Information) Basic Financial Statements:	II-3
	Government-Wide Financial Statements - Enterprise Fund: Statements of Net Assets	11 10
	Statements of Revenues, Expenses and Changes in Net Assets	II-10 II-12
	Statements of Cash Flows	II-12 II-13
	Fund Financial Statements - Fiduciary Fund	
	Statements of Net Assets - Pension Trust	II-15
	Statements of Changes in Plan Net Assets-Pension Trust Fund	II-15a
	Notes to Financial Statements	II-16
	Required Supplementary Information under	
	GASB Statements No. 25	II-39

SEWERAGE AND WATER BOARD OF NEW ORLEANS

Comprehensive Annual Financial Report

Year ended December 31, 2002

TABLE OF CONTENTS

II.	FINANCIAL SECTION (Continued)	
	Supplementary Information:	
	Net assets by Department Enterprise Fund - Schedule 1	II-41
	Revenues and Expenses by Department Enterprise Fund - Schedule 2	II-43
	Schedule of Property, Plant, and Equipment in Service by Department - Schedule 3	II-44
	Schedule of Bonds Payable - Schedule 4	II-45
	Schedule of Cash Receipts and Disbursements - Debt Service and Debt Service Reserve Required by Bond Resolution - Schedule 5	II - 46
	Schedule of Changes in Claims Payable by Department - Schedule 6	II-47
III.	STATISTICAL INFORMATION (UNAUDITED)	
	Capital Expenditures by Department Enterprise Fund - Last Ten Fiscal Years	III-1
	Revenue and Expenses by Source Enterprise Fund - Last Ten Fiscal Years	III-2
	Property Tax Levies and Collections by the City of New Orleans - Last Ten Fiscal Years	III-3
	Assessed and Estimated Actual Value of Taxable Property - Last Ten Fiscal Years	III-4
	Property Tax Rates - Direct and Overlapping Governments - Number of Mills Last Ten Fiscal Years	III-5
	Computation of Direct and Overlapping Debt- December 31, 2002	III-6

SEWERAGE AND WATER BOARD OF NEW ORLEANS

Comprehensive Annual Financial Report

Year ended December 31, 2002

TABLE OF CONTENTS

III.	STATISTICAL INFORMATION (UNAUDITED) Continued	
	Revenue Bonds Debt Service Coverage:	
	Water Bonds - last Nine Fiscal years	III-7
	Sewer Bonds - last Nine Fiscal years	III-8
	Schedule of Future Debt Payments	
	Water	III-9
	Sewer	III-10
	Drainage	III-11
	Total	111-12
	Property Value, New Construction and Bank	
	Deposit - Last Ten Fiscal Years	III-13
	•	
	Ten Largest Taxpayers - December 31, 2002	III-14
IV.	CURRIEMENTAL INFORMATION (INIALIDITED)	
IV.	SUPPLEMENTAL INFORMATION (UNAUDITED)	
	2002 Actual Capital Expenditures - Water Department	IV-1
	2002 Actual Capital Expenditures - Sewerage Department	IV- 2
	2002 Actual Capital Expenditures - Drainage Department	IV- 3
	2002 Actual Capital Expenditures - Power Projects	IV- 4
	2002 / tetaat Capital Experiations - Fower Frejects	• • •
	2002 Actual Capital Expenditures - General Budget Items	IV- 5
	Analysis of Pumping and Power Department	
	Power Purchased and Produced - 1993 Through 2002	IV- 6
	Pumping and Power Department	
	Power Purchased and Produced - 2002	IV- 7
	Water Pumped and Consumed - 2002	IV- 8
	Water Fumped and Consumed 2002	1.
	Gallons Metered-Pay Water consumption - 2002	IV- 9
	Monthly Water and Sewerage Rate Collections - 2002	IV- 10
	Table of Water Purification Operations and	IV- 11
	Table of Water and Sewerage Distribution System	thru
	Table of water and severage 2 is trouted by stein	IV- 35
	T. I.I. C.D. J. C.H.J. Nov. Orleans	137. 26
	Table of Rainfall in New Orleans -	IV- 36
	1894 Through 2002	thru IV- 41
	Benchmarking	IV- 42

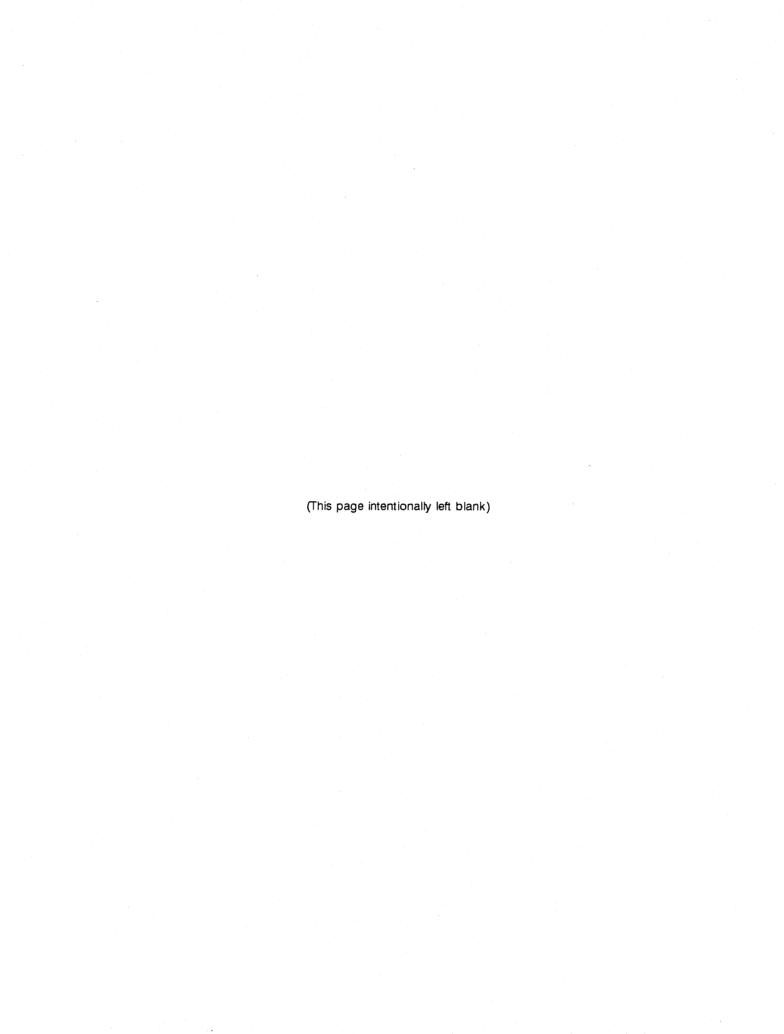
SEWERAGE AND WATER BOARD OF NEW ORLEANS

Comprehensive Annual Financial Report

For the Year Ended

December 31, 2002

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

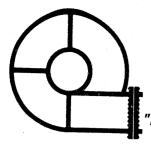




The Nashville Canal, at South Claiborne Avenue, is shown under construction in 1926. New subsurface canals in the Uptown area are nearing completion in Hollygrove and on South Claiborne and Napoleon Avenues as part of the Southeast Louisiana Flood Control Program (SELA).

The Sewerage and Water Board uses large and powerful vacuum trucks to maintain sewer lines throughout the City. Well-trained crews perform maintenance jobs on a regular basis and are on duty for emergencies, such as blockages or chokes in sewer lines, on a 24-hour basis.





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

Sewerage & Water Board OF NEW ORLEANS

C. RAY NAGIN, President HENRY A. DILLON, JR., President Pro-Tem April 11, 2003

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, 2002. 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 2001 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, the accompanying notes, and other supplementary information. The combined and 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 Standard Board Statement No. 34 – Basic Financial Statements – and Management's Discussion and Analysis – for State and Local Government in 2002. The effects of adopting this new standard are included in its financial statements.

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 issue of the Metropolitan Report, Economic Indicators for the New Orleans Area (UNO Report), published by the Division of Business and Economic Research, University of New Orleans, the New Orleans metropolitan area experienced a net loss of 3,650 jobs in the third quarter of 2002 as compared to the third quarter of 2001, a decrease of 0.6%. Almost every major industrial sector lost jobs during this period.

The price of oil was up almost 10% in the third quarter of 2002, compared to the third quarter of 2001. In contrast, the price of natural gas fell 5.9%. The Louisiana rig count was significantly lower over the four quarters and production of oil and natural gas was down slightly. Employment in Louisiana in both chemical manufacturing and petroleum refining was down during the same time.

Tourist activity in the third quarter of 2002 was mixed as compared to the third quarter of 2001. In analyzing tourism measures for this period, it is important to recall that the significant negative impact of the September 11th disaster began in the third quarter of 2001. Employment in the tourism sector has suffered over the past year, but has slowly been recovering.

Convention bookings in the third quarter of 2002 posted a loss of 6.7% compared to the same quarter in 2001. The number of attendees fell by 23,900 to 331,700 in the third quarter of 2002 from 355,600 attendees in the same quarter in 2001.

Total gaming revenues includes riverboat casino revenue and Harrah's casino revenue. From the third quarter of 2001 to the third quarter of 2002, this figure grew 2.1% to \$136.1 million. Harrah's Casino was the force behind this growth.

The value of construction contracts awarded in the third quarter of 2002 was substantially higher than the value in the third quarter of 2001. The overall increase was led by residential contracts awarded; this indicator surged 72.6% or \$77.7 million to \$184.7 million. In the third quarter of 2002, housing starts were up a sizeable 82.9% compared to the third quarter of 2001.

MAJOR INITIATIVES

For the year: The Board budgeted approximately \$207 million for capital improvements in 2002. Highlights of this program included:

Water:

The Board awarded a contract and began 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.

Sewerage:

Work continues on the \$593.1 million city-wide 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. These improvements, currently estimated at \$593.1 million, are required to comply with Section XV-Clean Water Act Remedial Measures: 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, entered into in June 1998. Eighty-four million dollars has been expended to date for evaluation & repairs. Sewer system basins are divided into 10 basins for study, design and construction. Through December 31, 2002, the Board has inspected 4.8 million feet of sanitary sewer lines, rehabilitated more than 253,800 feet of sewer lines, inspected 17,800 sewer manholes and repaired or renovated 2,470 manholes. Work continues on the major renovations at the East Bank Waste Water Treatment Plant.

Congress approved federal grant funding for 2002, the sixth in anticipated series of grants from the Environmental Protection Agency (EPA) for planning, design, construction, and rehabilitation of the sanitary sewer system. This grant award was \$2,000,000 and must be matched by approximately \$1,636,364 of Board funds.

Drainage:

The expansion of Drainage Pumping Station #1 work is approximately 100% complete. Other Southeast Louisiana Flood Control Projects, 75% funded by the Corps of Engineers are complete as follows: The Napoleon Avenue Canal is 99% complete and on schedule. The South Claiborne Avenue (Nashville Avenue to Jena Street) Canal is 100% complete, and the South Claiborne Avenue (Jena Street to Louisiana Avenue) work is 76% complete. The Dwyer Road Drainage Pump Station is 45% complete, and the Dwyer Road Discharge Tubes and Outfall Canal are 52% complete. The Hollygrove #1 Railroad Right-of-Way Canal from Monticello to Eagle Streets is 68% complete, and the Hollygrove # 2 Canal between Forshey and Dublin Streets is 68% complete. The Pritchard Street Drainage Pump Station is 73% complete and on schedule.

A five (5) year capital program budget of \$1,196,903,000 was approved by the Sewerage and Water Board in December 2002. The approved amount for Drainage projects was \$515,738,000, of that amount \$291,437,000 is participation by others.

FINANCIAL INFORMATION

Management of the Sewerage and Water Board is responsible for designing and maintaining internal control 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 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 control should not exceed the benefits to be derived and (2) the valuation of costs and benefits required the exercise of judgment by management.

The Enterprise Fund's Water and Sewerage Systems are financed by user fees. The unique characteristics of the services provided by the Drainage System of New Orleans requires the use of Enterprise Fund accounting in order to obtain a meaningful measure of the cost of providing the services and capital maintenance. Revenues for the Drainage System are financed by property taxes. 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 provide the major 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: There was a 5.0% increase in total system operating revenues from 2001 to 2002 primarily due to a full year of sewer rate increases and a partial year of water rate increases. Operating expenses decreased by 2.8% primarily due to the reduction in consulting fees in 2002 related to a privatization request for proposals, reduction in claims expense and the reduction in natural gas and electricity costs.

Pension Trust Fund Operations: The contributions to the Pension Trust Funds are based on annual 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 Sewerage and Water Board's bonds outstanding as of December 31, 2002 totaled \$259,285,000.

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 \$3,252,629.

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. Improved claims management and administration have facilitated more timely and better decision making on a case-by-case basis. The updating of risk management procedures and information systems is ongoing with the objective of improving loss control efforts and risk assessment capabilities.

Further analysis of the Board's financial position and operations are provided in the Management's Discussion and Analysis Section of the financial report beginning at page II-3 of this report.

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 & Tervalon 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, 2001. 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 accounting principles generally accepted in the United States 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 (20) years. We believe our current report continues to conform to the Certification of Achievement Program requirements and we are submitting it to GFOA.

For the fiscal year 2002, the Board has implemented GASB 33, Accounting and Financial Reporting for Nonexchange Transactions, and GASB 34, Basic Financial Statements and Management's Discussion and Analysis for State and Local Governments. Management's Discussion and Analysis is included in the financial section of this report.

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,

Harold J. Gorman

Executive Director

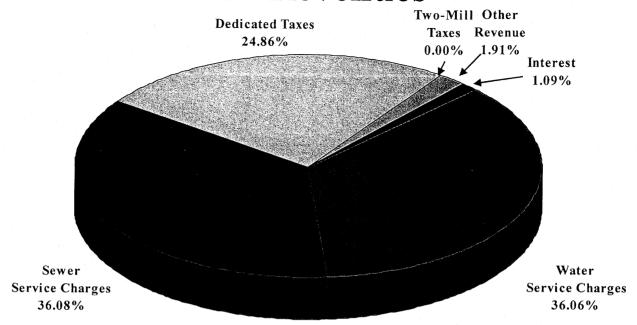
Ethel H. Williams

Utility Financial Administrator

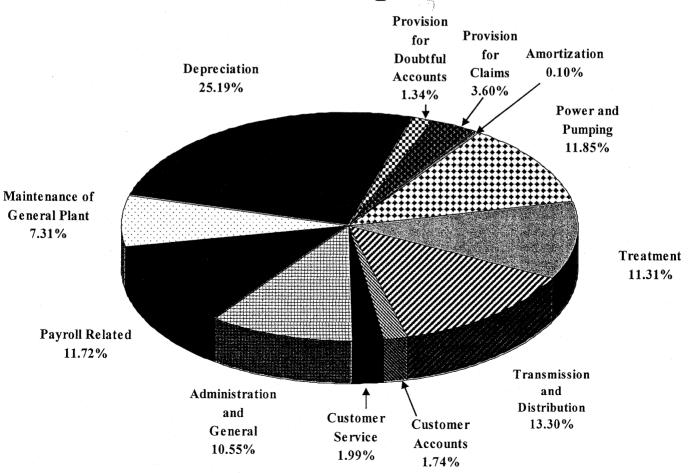
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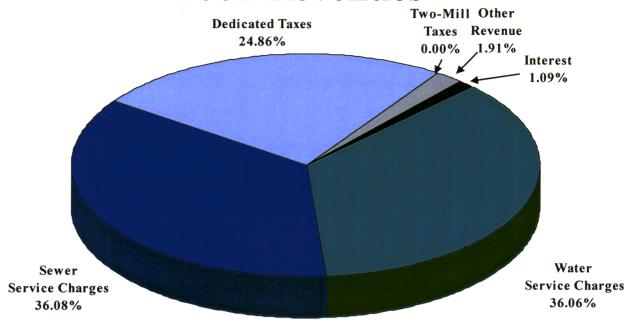
2002 Revenues



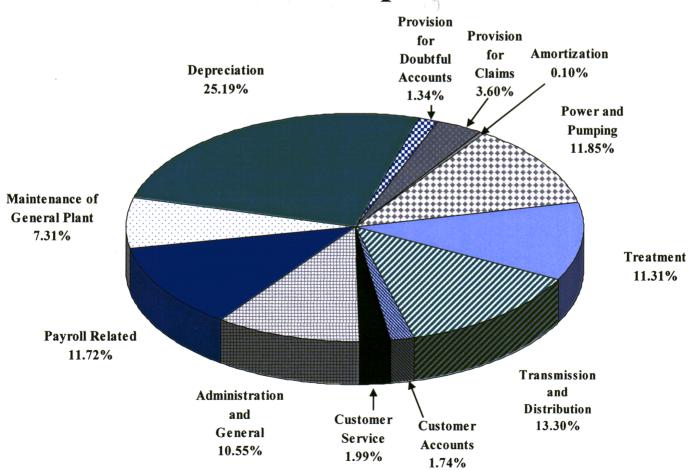
2002 Expenses



2002 Revenues



2002 Expenses





Certificate of Achievement for Excellence in Financial Reporting

Presented to

Sewerage and Water Board of New Orleans, Louisiana

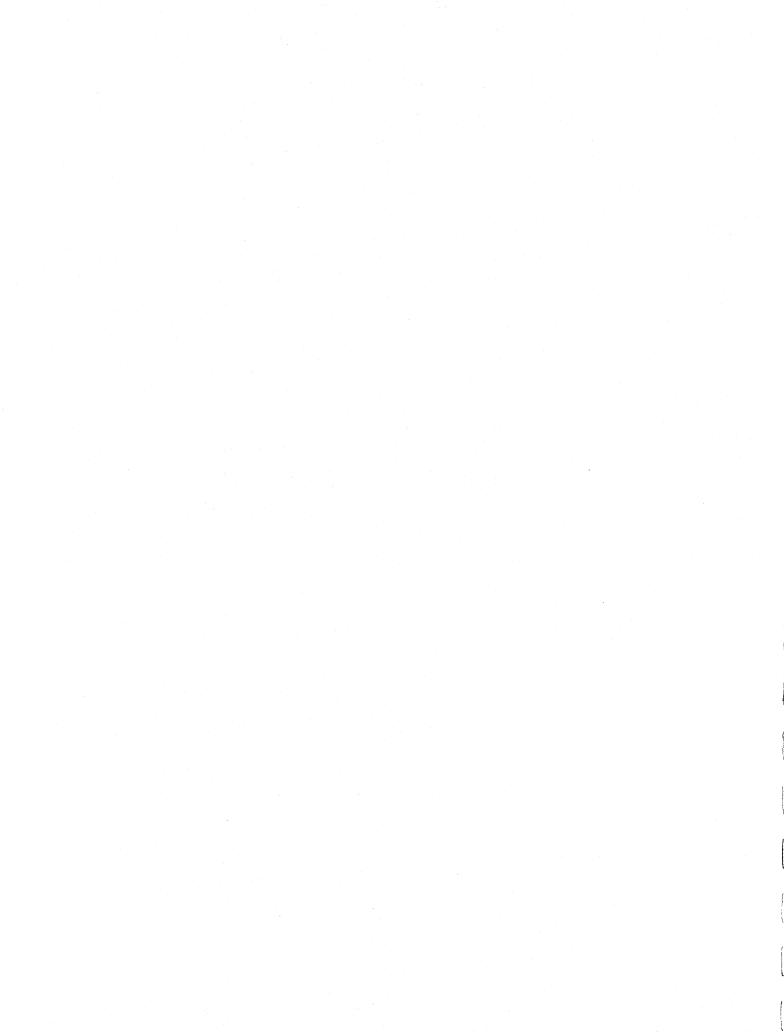
For its Comprehensive Annual
Financial Report
for the Fiscal Year Ended
December 31, 2001

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, 2002

C. RAY NAGIN	President
	City of New Orleans
HENRY A. DILLON, JR	President Pro Tem
HAROLD J. GORMAN	Executive Director
MARCIA A. ST. MARTIN	Deputy Director
G. JOSEPH SULLIVAN	General Superintendent
	Oneral Supermonatin
CHARLES G. McKINNEY	Deputy General Superintendent
orandes of Monath Color	Deputy General Superintendent
IOUN D I AMPERT ID	
JURIN D. LAMBEKI, JK	

MEMBERS OF SEWERAGE AND WATER BOARD OF NEW ORLEANS

December 31, 2002

C. RAY NAGIN	Mayor
EDDIE L. SAPIR	Councilmember-at-Large
OLIVER M. THOMAS	
MARLIN N. GUSMAN	
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, 2002

EXECUTIVE COMMITTEE

HENRY A. DILLON, JR. - Chairperson

BENJAMIN L. EDWARDS, SR.

OLIVER M. THOMAS

EDDIE L. SAPIR

FINANCE COMMITTEE

EDDIE L. SAPIR - Vice Chairperson

SIDNEY H. EVANS JR.

COMMITTEE ON SEWERAGE AND WATER

EDDIE L. SAPIR - Chairperson

HENRY A. DILLON, JR. NORMA E. GRACE

BARBARA LAMONT

DRAINAGE COMMITTEE

OLIVER THOMAS - Chairperson

BENJAMIN L. EDWARDS, SR. WILLIAM F. GRACE, JR.

PENELOPE RANDOLPH

PENSION COMMITTEE

HENRY A. DILLON, JR. - Chairperson

SIDNEY H. EVANS, JR. NORMA E. GRACE

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

PALMER & CAY CONSULTING GROUP, Actuary

COMMITTEE ON SEWERAGE AND WATER BOARD OPERATIONS

BENJAMIN L. EDWARDS - Chairperson

WILLIAM F. GRACE, JR.

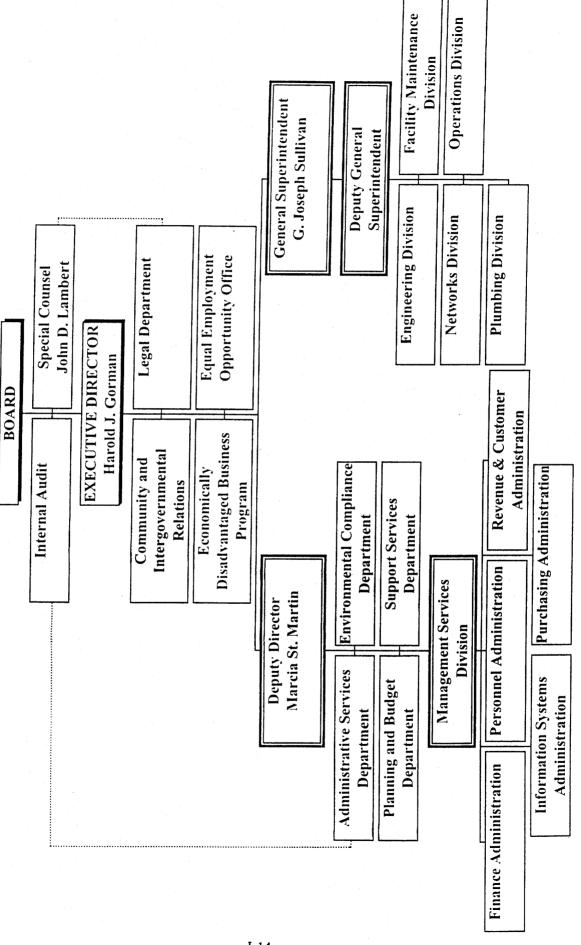
BARBARA LAMONT PENELOPE RANDOLPH

PLUMBING CONFERENCE COMMITTEE

VACANT - Chairperson

JAMES J. ARONLD **RONNIE CROSBY** BENJAMIN L. EDWARDS, SR. JAMES C. FINLEY G. JOSEPH SULLIVAN

SEWERAGE AND WATER BOARD OF NEW ORLEANS 2002 ORGANIZATION CHART



THE SEWERAGE AND WATER BOARD OF NEW ORLEANS DIVISION HEADS OF DEPUTY DIRECTOR

December 31, 2002

MARCIA A. ST. MARTIN 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, 2002

G. JOSEPH SULLIVAN GENERAL SUPERINTENDENT

CHARLES G. McKINNEY
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, 2002

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

Carol W. Warren





The Networks Division of the Sewerage and Water Board makes thousands of repairs to sewer and water lines and fire hydrants each year. The City is divided into six work zones, with each zone's team responsible for maintenance and repair in its designated area.

Smoke tests to detect leaks in the sewer system are being conducted throughout the City as part of the S&WB's Sewer System Evaluation and Rehabilitation Program (SSERP). The news media helps notify citizens that tests are being conducted in their neighborhoods.





Bruno & Tervalon LLP
Certified Public Accountants

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, 2002 and 2001, 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, 2002 and 2001, and the results of its operations and its cash flows for the years ended in conformity with accounting principles generally accepted in the United States of America.

As discussed in note 1 to the financial statements, the Sewerage and Water Board of New Orleans adopted the provisions of Governmental Accounting Standards Board Statement No. 34 – Basic Financial Statements – and Management's Discussion and Analysis – for State and Local Governments, and Government Accounting Standards Board Statement No. 33 – Accounting and Financial Reporting for Non-Exchange Transactions in 2002.

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, 2003, 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 2002 and 2001 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.

Postethernte + Netherille

Bruno + Terralon, LLP

New Orleans, Louisiana April 9, 2003

Sewerage & Water Board of New Orleans Management's Discussion and Analysis Year Ended December 31, 2002

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, 2002. 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:

• 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

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.

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 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

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-1).

	Table A-1			
Sewera	ige & Water Board of	New Orleans		
	Net Assets			
			Increase	Increase
	2002	2001	(Decrease)	(Decrease)
	20.650.462	# 20.563.050	\$ (913,496)	-3.1%
Current assets	\$ 28,650,463	\$ 29,563,959	75,549,790	39.1%
Restricted assets	268,643,569	193,093,779 1,017,483,087	79,662,155	7.8%
Property, plant and equipment - net	1,097,145,242	9,858,297	(1,091,965)	-11.1%
Other assets	\$,766,332 \$ 1,403,205,606	\$ 1,249,999,122	\$ 153,206,484	12.3%
Total assets	\$ 1,403,203,000	1,247,777,122	J 155,266,164	
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%
Total habilities				
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.

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-2; operating expenses are detailed in Table A-3.

		Table A-2					
	Sewerage &	Water Board of l	New Or	leans			
R	evenues , Ex	penses and Chang	e in Net	Assets			
					Г	Increase	Increase
		2002	1	2001		(Decrease)	(Decrease)
							1
Operating revenues:				101 207 700	s	5,699,980	5.69
Charges for services	\$	107,087,709	\$	101,387,729 2,349,046	1,3	(534,095)	-22.79
Other	.	1,814,951		103,736,775	<u> </u>	5,165,885	5.09
Total operating revenues		108,902,660		103,730,773		5,105,005	
Operating expenses (Table A-3)		137,137,210		141,015,867	L	(3,878,657)	-2.8%
Operating loss		(28,234,550)		(37,279,092)		9,044,542	-24.39
Non-operating revenues:						(1 201 281)	-3.2%
Property taxes		36,831,327		38,032,608		(1,201,281) 7,243	-4.09
Other taxes	- 1	792,883		785,640		(2,339,703)	-59.19
Investment income	·	1,616,307	-	3,956,010 42,774,258		(3,533,741)	-8.39
Total non-operating revenues		39,240,517		42,774,236	—	(5,555,7,17)	
Income before capital contributions		11,005,967		5,495,166		5,510,801	100.39
•		35,785,907		47,291,828		(11,505,921)	-24.39
Capital contributions		46,791,874		52,786,994		(5,995,120)	-11.49
Change in net assets		40,721,074					
Net assets, beginning of year		1,020,422,495	-	967,635,501	-	52,786,994	5.59
Net assets, end of year	s	1,067,214,369	\$	1,020,422,495	\$	46,791,874	4.69

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.

	Table A-3			
Sewerag	ge & Water Board of N	ew Orleans		
	Operating Expenses			
	2002	2001	Increase (Decrease)	Increase (Decrease
Power and pumping Treatment Transmission and distribution Customer accounts Customer service Administration and general Payroll related Maintenance of general plant Depreciation Amortization Provision for doubtful accounts Provision for claims Total operating expenses	\$ 16,255,368 15,515,582 18,233,083 2,384,744 2,731,763 14,463,064 16,073,673 10,020,846 34,551,459 130,304 1,842,958 4,934,366 \$ 137,137,210	\$ 19,886,007 15,749,585 17,517,122 2,771,609 2,687,794 14,593,405 14,368,516 9,824,994 34,378,585 124,473 1,661,267 7,452,510 \$ 141,015,867	\$ (3,630,639) (234,003) 715,961 (386,865) 43,969 (130,341) 1,705,157 195,852 172,874 5,831 181,691 (2,518,144) \$ (3,878,657)	-18.3% -1.5% 4.19 -14.0% -0.9% 11.9% 2.0% 0.5% 4.7% 10.9% -33.8% -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 due primarily due to a decrease in the number of large dollar claims in 2002 as compared to 2001.

PENSION TRUST FUND

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					
	Sewer	age & Water Be					
		Plan Net	Asset	ts			
			Т		Т	Increase	Increase
		2002		2001	<u> </u>	(Decrease)	(Decrease)
Cash	s	552,943	s	78,639	s	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	s	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.

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-5).

	Change in Plan N	et Assets		
	2002	2001	Increase (Decrease)	Increase (Decrease)
Additions: Contributions Net loss on investments Total additions	\$ 4,020,608 (15,496,265) (11,475,657)	\$ 6,458,532 (1,709,327) 4,749,205	\$ (2,437,924) (13,786,938) (16,224,862)	-37.7% 806.6% -341.6%
Deductions: Benefits Employee refunds Employee DROP contributions Total deductions	(6,827,949) (220,932) (1,016,944) (8,065,825)	(6,634,821) (290,494) (1,034,682) (7,959,997)	(193,128) 69,562 17,738 (105,828)	2.9% -23.9% -1.7% 1.3%
Change in net assets	(19,541,482)	(3,210,792)	(16,330,690)	508.69
Plan net assets, beginning of year	173,358,958	176,569,750	(3,210,792)	-1.80
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 by plan contributions of \$2.4 million and increased benefits of \$.2 million in 2002 as compared to 2001.

CAPITAL ASSET AND DEBT ADMINISTRATION

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 is 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:

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

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.

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.

STATEMENTS OF NET ASSETS

December 31, 2002 and 2001

	2002	2001
ASSETS		
Property, plant and equipment	\$ 1,576,704,951	\$ 1,464,845,626
Less: accumulated depreciation	479,559,709	447,362,539
Property, plant and equipment, net	1,097,145,242	1,017,483,087
Troporty, plant and a party		
Restricted assets:	06 799 416	73,904,548
Capital projects	96,788,416 132,983,127	86,345,814
Construction funds	19,424,365	14,597,376
Debt service reserve	5,137,096	5,579,473
Customer deposits		9,000,000
Health insurance reserve	9,000,000	3,454,568
Debt service	5,098,565	212,000
Other	212,000	193,093,779
Total restricted assets	268,643,569	193,093,117
Current assets:	4,387,750	2,948,437
Cash	1,507,750	
Accounts receivable:	10,795,677	11,533,632
Customers (net of allowance for doubtful accounts)	3,943,592	5,391,875
Taxes	242,225	488,388
Interest	965,551	214,529
Grants	815,444	1,245,677
Miscellaneous	200,000	200,000
Due from City of New Orleans, current		200,000
Due from other fund	200,000	6,869,065
Inventory of supplies	6,570,193	672,356
Prepaid expenses	530,031	072,330
Total current assets	28,650,463	29,563,959
Due from City of New Orleans, less current portion	790,428	898,586
but from only of New Status,		
Other assets:	1 502 024	1,073,541
Bond issue costs	1,593,034	51,315
Deposits	51,315	7,834,855
Net pension asset	6,331,555	8,959,711
Total other assets	7,975,904	8,939,711
	\$ 1,403,205,606	\$ 1,249,999,122
Total assets	\$ 1,403,203,000	
		(Continued)

STATEMENTS OF NET ASSETS (Continued)

	2002	2001		
NET ASSETS AND LIABILITIES				
Net Assets:				
Invested in capital assets - net of related debt	\$ 967,763,496	\$ 948,808,901		
Restricted For:				
Debt service	23,291,960	17,405,879		
Capital projects	76,158,913	54,207,715		
Total restricted for net assets	99,450,873	71,613,594		
Total net assets	1,067,214,369	1,020,422,495		
Liabilities:				
Long-term liabilities:				
Claims payable	11,352,798	12,882,429		
Bonds payable (net of current maturities)	252,994,873	148,285,000		
	264,347,671	161,167,429		
Current liabilities (payable from current assets):				
Accounts payable	14,485,982	17,473,006		
Due to City of New Orleans	25,658	231,636		
Retainers and estimates payable	923,058	533,278		
Due to pension trust fund	79,998	23,272		
Accrued salaries	1,341,891	1,316,709		
Accrued vacation and sick pay	9,621,649	9,711,873		
Claims payable	26,305,507	22,881,841		
Other liabilities	5,756	33,439		
	52,789,499	52,205,054		
Current liabilities (payable from restricted assets):				
Accrued interest	1,294,598	701,678		
Bonds payable	9,370,000	6,735,000		
Retainers and estimates payable	3,052,373	3,187,993		
Customer deposits	5,137,096	5,579,473		
	18,854,067	16,204,144		
Total current liabilities	71,643,566	68,409,198		
Total liabilities	335,991,237	229,576,627		
Total net assets and liabilities	\$ 1,403,205,606	\$ 1,249,999,122		

SEWERAGE AND WATER BOARD OF NEW ORLEANS STATEMENTS OF REVENUES, EXPENSES AND CHANGES IN NET ASSETS

For the years ended December 31, 2002 and 2001

	2002	2001
Operating revenues: Sales of water and delinquent fees Sewerage service charges Plumbing inspection and license fees Other revenue	\$ 53,413,048 53,455,291 219,370 1,814,951	\$ 51,871,210 49,302,683 213,836 2,349,046
Total revenues	108,902,660	103,736,775
Operating Expenses: Power and pumping Treatment Transmission and distribution Customer accounts Customer service Administration and general Payroll related Maintenance of general plant Depreciation Amortization Provision for doubtful accounts Provision for claims	16,255,368 15,515,582 18,233,083 2,384,744 2,731,763 14,463,064 16,073,673 10,020,846 34,551,459 130,304 1,842,958 4,934,366	19,886,007 15,749,585 17,517,122 2,771,609 2,687,794 14,593,405 14,368,516 9,824,994 34,378,585 124,473 1,661,267 7,452,510
Total operating expenses	137,137,210	141,015,867
Operating loss	(28,234,550)	(37,279,092)
Non-operating revenues: Two-mill tax Three-mill tax Six-mill tax Nine-mill tax Other taxes Investment income	5,058 10,312,636 10,567,048 15,946,585 792,883 1,616,307	10,726 10,772,176 10,906,914 16,342,792 785,640 3,956,010
Total non-operating revenues	39,240,517	42,774,258
Income before capital contributions	11,005,967	5,495,166
Capital contributions	35,785,907	47,291,828
Change in net assets	46,791,874	52,786,994
Net assets: Beginning of year End of year	1,020,422,495 \$ 1,067,214,369	967,635,501 \$ 1,020,422,495
End of year		

STATEMENTS OF CASH FLOWS

ENTERPRISE FUND

For the years ended December 31, 2002 and 2001

	2002	2001
Cash flows from operating activities Cash received from customers Cash payments to suppliers for goods and services Cash payments to employees for services Other revenue	\$ 105,557,358 (53,224,728) (46,664,094) 2,464,554	\$ 100,672,724 (57,329,098) (47,798,347) 2,349,046
Net cash provided by (used in) operating activities	8,133,090	(2,105,675)
Cash flows from noncapital financing activities - proceeds from property taxes	39,072,493	37,451,284
Cash flows from capital and related financing activities Acquisition and construction of capital assets Proceeds of bond issue Bond issuance costs Principal payments on bonds payable Interest paid on bonds payable Capital contributed by developers and federal grants Net cash provided by (used in) capital and related financing activities	(107,319,128) 114,079,873 (649,797) (6,735,000) (7,683,728) 35,034,885 26,727,105	(82,197,537) 32,720,000 (200,000) (5,285,000) (6,600,151) 14,422,342 (47,140,346)
Cash flows from investing activities Payments for purchase of investments Proceeds from maturities of investments Investment income	(472,959,848) 450,168,616 3,498,792	(502,967,155) 506,181,234 9,997,589
Net cash provided by (used in) investing activities	(19,292,440)	13,211,668
Net increase in cash Cash at the beginning of the year	54,640,248 3,288,103	1,416,931
Cash at the end of the year	\$ 57,928,351	\$ 3,288,103

(Continued)

STATEMENTS OF CASH FLOWS (Continued)

ENTERPRISE FUND

For the years ended December 31, 2002 and 2001

	· 	2002	 2001
Reconciliation of cash and restricted cash (note 2) Current assets - cash Restricted assets -cash	\$	4,387,750 53,540,601	\$ 2,948,437 339,666
Total cash		57,928,351	\$ 3,288,103
Reconciliation of operating loss to net cash provided by (used			
in) operating activities is as follows: Operating loss	\$	(28,234,550)	\$ (37,279,092)
Adjustments to reconcile net operating loss to net cash provided by (used in) operating activities: Depreciation Provision for claims Provision for doubtful accounts Amortization Change in operating assets and liabilities: Increase in customer and other receivable (Increase) decrease in inventory Decrease in prepaid expenses (Increase) decrease in net pension asset Increase (decrease) in accounts payable Decrease in accrued salaries, due to pension and accrued vacation and sick pay Decrease in other liabilities		34,551,459 4,934,366 1,842,958 130,304 (766,612) 298,872 142,325 1,503,300 (2,987,024) (8,316) (3,273,992)	34,378,585 7,452,510 1,661,267 124,473 (1,410,979) (612,926) (1,686,845) 1,725,698 (566,801) (5,891,565)
Net cash provided by (used in) operating activities	\$	8,133,090	 (2,105,675)

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 \$28,914,829 and \$32,876,567 in drainage projects during the years ended December 31, 2002 and 2001, respectively.

In addition, the Board recognized unrealized losses on investments in 2002 and 2001 of \$356,336 and \$709,333, respectively.

STATEMENTS OF PLAN NET ASSETS

PENSION TRUST FUND

December 31, 2002 and 2001

		2002		2001	
Assets:	S	552,943	\$	78,639	
Cash Receivables: Investment income Employee contributions receivable Due from other fund Investments		994,052 39,969 79,998 154,481,539		1,200,516 11,206 23,272 173,695,292	
Total assets		156,148,501		175,008,925	
Liabilities: Due to other fund DROP participants payable		200,000 2,131,025	,——	1,649,967	
Total liabilities		2,331,025		1,649,967	
Plan net assets available for pension benefits	\$	153,817,476	\$	173,358,958	

STATEMENTS OF CHANGES IN PLAN NET ASSETS

PENSION TRUST FUND

For the years ended December 31, 2002 and 2001

	2002	2001		
Additions:				
Contributions:	\$ 1,089,543	\$ 1,040,680		
Employee contributions	2,147,449	4,548,324		
Employer contributions	783,61 <u>6</u>	869,528		
City annuity and other transfers in	4,020,608	6,458,532		
Total contributions	4,020,000			
Investment income:	4 001 007	5,060,994		
Interest income	4,091,097			
Dividend income	1,556,648	1,565,255		
Net depreciation	(20,963,455)	(8,254,471) (1,628,222)		
	(15,315,710)	(81,105)		
Less investment expense	(180,555)	(81,103)		
Net loss on investments	(15,496,265)	(1,709,327)		
Total additions	(11,475,657)	4,749,205		
Deductions:		(((24 921)		
Benefits	(6,827,949)	(6,634,821) (290,494)		
Employee refunds	(220,932)	(1,034,682)		
Employee contributions to DROP	(1,016,944)	(1,034,082)		
Total deductions	(8,065,825)	(7,959,997)		
Change in plan net assets	(19,541,482)	(3,210,792)		
Plan net assets at beginning of year	173,358,958	176,569,750		
Plan net assets at end of year	\$ 153,817,476	\$ 173,358,958		

NOTES TO BASIC FINANCIAL STATEMENTS

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.

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) Change in Accounting and Financial Statement Presentation

Change in Accounting

The Board adopted the provisions of Governmental Accounting Standards Board Statement No. 34 – Basic Financial Statements – and Management's Discussion and Analysis – for State and Local Governments (Statement 34), in 2002, effective January 1, 2001. Statement 34 establishes financial reporting standards for all state and local governments and related entities. Statement 34 primarily relates to presentation and disclosure requirements and had no impact on the net assets of the Board. The statement requires a different presentation of net assets and the inclusion of

NOTES TO FINANCIAL STATEMENTS

(Continued)

(1) <u>Summary of Significant Accounting Policies (continued)</u>

management's discussion and analysis. Amounts in the 2001 financial statements have been reclassified to conform to this presentation and net assets have been adjusted for contributed capital.

The Board also adopted Government Accounting Standards Board Statement No. 33 – Accounting and Financial Reporting for Non-Exchange Transactions. For the Board, the principal effect of this change in accounting principle results in the recognition of derived tax revenues from property taxes on the accrual basis of accounting. The change in accounting was accounted for by a retroactive restatement of prior periods. Net assets and property taxes receivable at December 31, 2000 were increased by \$3,390,552. For 2001, net assets increased by \$1,308,132 and property taxes receivable increased by \$4,698,684.

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

Proprietary Fund Type

The proprietary fund is used to account for the Board's ongoing operations and activities which are similar to those often found in the private sector. The proprietary fund is accounted for using a flow of economic resources measurement focus. With this measurement focus, all assets and all liabilities associated with the operation of these funds are included on the statement of net assets. Net assets are segregated into amounts invested in capital assets (net of related debt), restricted for debt service, restricted for capital projects and unrestricted. The Board's restricted assets are 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 enterpriseswhere 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.

NOTES TO FINANCIAL STATEMENTS (Continued)

(1) Summary of Significant Accounting Policies (continued)

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.

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 are payable in accordance with the terms of the plan.

(D) <u>Investments</u>

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) <u>Inventory of Supplies</u>

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

NOTES TO FINANCIAL STATEMENTS

(Continued)

(1) Summary of Significant Accounting Policies (continued)

(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.

(G) Vacation and Sick Pay

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

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

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

Upon separation from the Board, an employee can elect to convert unused sick leave for retirement credits or cash. The conversion to cash is determined by a rate ranging from one day of pay for five days of leave for the 1st through 100th leave day to one day of pay for one day of leave for all days in excess of the 400th leave day. The total liability for unconverted sick leave as December 31, 2002 and 2001 is approximately \$12,484,000 and \$12,621,000, respectively. The amount included in the statements of net assets as of December 31, 2002 and 2001 is \$9,621,649 and \$9,711,873, 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

NOTES TO FINANCIAL STATEMENTS (Continued)

(1) Summary of Significant Accounting Policies (continued)

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 collected by the Board. There exists a potential for additional financing by additional user service charges. Expenditures from the system are for the debt service of three-mill, six-mill and nine-mill tax bonds and drainage related operation, maintenance and construction.

(J) <u>Self-Insurance/Risk Management</u>

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.

NOTES TO FINANCIAL STATEMENTS (Continued)

(1) Summary of Significant Accounting Policies (continued)

(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:

	Unrestricted	Restricted		<u>Total</u>
2002				
Enterprise Fund:			_	
Cash and money market funds	\$ 4,387,750	\$ 53,540,601	\$	57,928,351
Certificates of deposit	-	113,635,187		113,635,187
•	4,387,750	167,175,788		171,263,538
Investments	-	101,467,781		101,467,781
	\$ 4,387,750	\$ 268,643,569	\$	273,031,319
2001				
Enterprise Fund:				
Cash	\$ 2,948,437	\$ 339,666	\$	3,288,103
Certificates of deposit	•	129,357,457		129,357,457
Commence of the Paris	2,948,437	129,697,123		132,645,560
Investments	-	63,396,656		63,396,656
	\$ 2,948,437	\$ 193,093,779	\$	196,042,216

NOTES TO FINANCIAL STATEMENTS (Continued)

(2) Cash and Investments (continued)

The composition and carrying value of investments is as follows:

		2002		2001	Category
Enterprise Fund:					
U.S. Government Securities and Instrumentalities	\$_	101,467,781	\$_	63,396,656	2
Pension Trust Fund:					
Money Market	\$	9,670,116	\$	6,789,816	, -
Corporate Bonds		45,278,455		29,786,439	2
U.S. Government Securities and		, ,		, ,	2
Instrumentalities		32,933,600		45,068,322	
Foreign Obligations		- · · · · -		1,248,965	2
Equities		66,599,368		90,657,308	2
	\$_	154,481,539	\$_	173,695,292	

Cash and Certificates of Deposit - 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. Statues require that the Board's cash and certificates of deposit be covered by federal depository insurance or collateral. Of the cash bank balance, \$391,419 is covered by federal depository insurance. At December 31, 2001, the bank balances of the Board's cash totaled \$5,150,639 and certificates of deposit totaled \$129,357,457. Of the cash bank balance, \$604,702 is covered by federal depository insurance. The remaining amount of the Board's cash bank balances and all certificates of deposit for 2002 and 2001 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, 2002 or 2001.

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, 2002 and 2001 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.

NOTES TO FINANCIAL STATEMENTS (Continued)

(2) Cash and Investments (continued)

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, 2002 and 2001. The value of securities lent at December 31, 2002 and 2001 was \$20,076,000 and \$13,257,000. The market value of the cash collateral at December 31, 2002 and 2001 was \$20,669,000 and \$13,933,049. All securities lent were classified as Category 2 custodial risk.

(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, 2002 and 2001 was \$28,886,538 and \$28,855,551, respectively; such amounts exclude overtime and standby payroll. Total payroll, including overtime and standby payroll, was \$34,997,924 and \$35,357,068 for the years ended December 31, 2002 and 2001, respectively. At December 31, the PTF membership consisted of:

	2002	2001
Retirees and beneficiaries currently receiving benefits and terminated employees entitled to benefits but not yet		
receiving them	598	584
Current employees:		
Vested	993	793
Nonvested	131	381_
1001100000	1,124	1,174
Total	1,722	1,758

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-two 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 thirty 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

NOTES TO FINANCIAL STATEMENTS (Continued)

(3) Defined Benefit Pension Plan (continued)

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

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

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

The annual required contribution for the current year was determined as part of the December 31, 2002 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.

NOTES TO FINANCIAL STATEMENTS

(Continued)

(3) Defined Benefit Pension Plan (continued)

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

		2002		2001
Annual required contribution Interest on net pension obligation Adjustments to annual required contribution	\$	3,190,707 (548,440) 1,088,480	\$	(430,361) 3,291,840
Annual pension cost		3,730,747		2,861,479
Contributions made		2,227,447	-	4,548,324
Increase (decrease) in net pension asset		(1,503,300)		1,686,845
Net pension asset, beginning of year	_	7,834,855		6,148,010
Net pension asset, end of year	\$.	6,331,555	\$.	7,834,855

The net pension asset is being amortized over 11 years as of December 31, 2002, using the level dollar closed method and using the same interest, salary increase and inflation factors as the plan.

Trend information for Board and employee contributions is as follows:

	Annual Pension Cost (APC)	Percentage of APC Contributed	Net Pension <u>Asset</u>
Fiscal year ending:			
December 31, 2002	\$ 3,730,747	87%	\$ 6,331,555
December 31, 2001	\$ 2,861,479	195%	\$ 7,834,855
December 31, 2000	\$ 1,721,759	316%	\$ 6,148,010

The actuarially determined contribution requirement for the Board was 15.76 percent through 2001 and 8% through 2002; 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:

		2002	_	2001
Employer and other transfers	\$	2,931,065	\$	5,417,852
Employee	_	1,089,543	_	1,040,680
Total Contributions	\$_	4,020,608	\$ _	6,458,532

NOTES TO FINANCIAL STATEMENTS

(Continued)

(3) Defined Benefit Pension Plan (continued)

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, 2002 and 2001, 56 and 72 employees, respectively, participated in the plan. The amount of plan assets segregated for these individuals was \$2,131,025 and \$1,649,967 as of December 31, 2002 and 2001, 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

NOTES TO FINANCIAL STATEMENTS

(Continued)

(4) Property, Plant and Equipment (continued)

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

	2002							
		Beginning Balance		Additions		Deletions		Ending Balance
Real estate rights, non								0.672.000
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
C								
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 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	_	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	s —	1,017,483,087	- s -	88,301,998	- \$ -	8,639,843 \$		1,097,145,242

				2	001			
	_	Beginning Balance		Additions		Deletions		Ending Balance
Real estate rights, non -		Duranee			-		_	
depreciable	\$	7,354,576	\$	1,218,324	\$		\$	8,572,900
Power and pumping stations,								100 015 (10
buildings		167,065,095		25,180,517				192,245,612
Power and pumping stations,								
machinery		220,431,638		8,456,724		-		228,888,362
Distribution systems		108,722,113		10,356,013		151,210		118,926,916
Sewerage collection		125,765,173		41,746,277		1,393,303		166,118,147
Canals and subsurface drainage		200,128,562		11,324,923		-		211,453,485
Treatment plants		97,052,632		15,914,904		-		112,967,536
Connections and meters		36,046,593		4,555,082		150,153		40,451,522
Power transmission		24,576,308		1.009.245		1,470		25,584,083
General plant		148,156,632		40,747,500		263,982		188,640,150
General buildings		6,881,214		2,396,267				9,277,481
Total in service	_	1,142,180,536		162,905,776		1,960,118	-	1,303,126,194
Construction in progress		205,992,397		118,632,811		162,905,776		161,719,432
Total	-	1,348,172,933		281,538,587		164,865,894	-	1,464,845,626
Accumulated depreciation		414,950.619		34,372,038		1.960,118		447,362.539
Net	\$-	933,222,314	- s	247.166.549	- s -	162,905,776	\$ -	1,017,483,087
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NOTES TO FINANCIAL STATEMENTS (Continued)

(4) Property, Plant and Equipment (continued)

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

	2002	2001
Interest income	\$ 1,636,322	\$ 4,249,491
Interest expense	(8,276,648)	(6,627,168)
Net interest capitalized	\$ (6,640,326)	\$ (2,377,677)

(5) Customer Receivables

Customer receivables as of December 31 consist of the following:

		Customer Accounts	Allowance for Doubtful Accounts	Net
2002	Water Sewer	\$ 9,006,727 6,445,204	\$ 2,704,386 1,951,868	\$ 6,302,341 4,493,336
		\$ 15,451,931	\$ 4,656,254	\$ 10,795,677
2001	Water Sewer	\$ 9,171,584 6,196,233	\$ 2,196,033 1,638,152	\$ 6,975,551 4,558,081
		\$ 15,367,817	\$ 3,834,185	\$ 11,533,632

(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, 2002 and 2001, \$990,428 and \$1,098,586, respectively, was due from the City of New Orleans.

(7) Bonds Payable

Bonds payable consisted of the following as of December 31:

	Principa	lances	
	 2002		2001
7.00% water revenue bonds, series 1986 (initial average interest cost 6.73%), due in an annual principal installment of \$500,000; final payment due December 1, 2003	\$ 500,000	\$	965,000
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	25,435,000		26,465,000

NOTES TO FINANCIAL STATEMENTS (Continued)

(7)	Bonds	Payable ((continued)
ι,	,	201100	* ** ***	

	Principal	Balances
	2002	2001
5.15% drainage system bonds, series 1994 (average interest cost 5.06%), due in an annual principal installment \$1,140,000; final payment due November 1, 2003	\$ 1,140,000	\$ 2,220,000
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	14,080,000	14,665,000
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	22,000,000	22,915,000
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	8,690,000	9,045,000
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	25,300,000	26,070,000
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	19,350,000	19,955,000
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	31,790,000	32,720,000
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	

NOTES TO FINANCIAL STATEMENTS

(Continued)

(7)	Bonds Pavable (continued)	•

		Principal Balances		
		2002		2001
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.	\$	57,000,000	\$	•
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.	_	20,000,000		· •
		259,285,000		155,020,000
Plus bond premiums		3,079,873		•
Total Less current maturities	·	262,364,873 9,370,000		155,020,000 6,735,000
Bond payable, long-term	\$	252,994,873	. \$_	148,285,000

The changes in long-term debt were as follows:

	_	2002	 2001
Balance, beginning of year	\$	155,020,000	\$ 127,585,000
Issuances		111,000,000	32,720,000
Payments		(6,735.000)	(5,285,000)
Balance, end of year	\$_	259,285,000	\$ 155,020,000
	_		

The annual requirements to amortize all bonds payable as of December 31, 2002, are as follows:

Year	 Principal	Interest	Total
2003	\$ 9,370,000	\$ 13,176,180	\$ 22,546,180
2004	9,075,000	12,252,995	21,327,995
2005	9,545,000	11,781,510	21,326,510
2006	10,060,000	11,281,927	21,341,927
2007	10,605,000	10,787,962	21,392,962
2008-2012	62,000,000	45,743,557	107,743,557
2013-2017	79,660,000	28,584,803	108,244,803
2018-2022	68,970,000	8,261,758	77,231,758
Total	\$ 259,285,000	\$ 141,870,692	\$ 401,155,692

NOTES TO FINANCIAL STATEMENTS (Continued)

(7) Bonds Payable (continued)

The amount of revenue bonds and tax bonds payable as of December 31, 2002, are as follows:

Year	· ·	Revenue Bonds	-	Tax Bonds		Total
2002	\$	7,350,000	\$	2,020,000	\$	9,370,000
2003		8,150,000		925,000		9,075,000
2004		8,580,000		965,000		9,545,000
2005		9,045,000		1,015,000		10,060,000
2006		9,535,000		1,070,000		10,605,000
2007-2011		55,795,000		6,205,000		62,000,000
2012-2016		71,860,000		7,800,000		79,660,000
2017-2021		59,140,000	-	9,830,000	_	68,970,000
Total	\$.	229,455,000	\$_	29,830,000	\$_	259,285,000

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 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 \$2,234,935 and \$2,091,524 at December 31, 2002 and 2001, respectively; the accumulated balance at December 31, 2002 and 2001 was \$5,098,565 and \$3,454,568, respectively.
- 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, sewer and 1986 drainage 9 mill tax bonds. The water, sewer and 1986 drainage 9 mill tax 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 1994 drainage 6 mill and 1998 drainage 9 mill tax bonds. The required amount to be accumulated in this fund was \$19,424,365 and \$14,597,376 at December 31, 2002 and 2001, respectively; the accumulated balance at December 31, 2002 and 2001 was \$19,424,365 and \$14,597,376, respectively.

The net operating revenues of the Water Department and the Sewerage Department of the Board for the year ended December 31, 2002 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, 2002.

NOTES TO FINANCIAL STATEMENTS

(Continued)

(7) Bonds Payable (continued)

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.

(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 and 2001 was \$420,000 and \$875,000, respectively.

(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 \$25,658 and \$231,636 at December 31, 2002 and 2001, 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 2002 was \$1,776,168,628. The combined tax rate dedicated for the Board for the years ended December 31, 2002 and 2001 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

a. Capital Improvements

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 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, 2002 include the following:

NOTES TO FINANCIAL STATEMENTS (Continued)

(11) <u>Commitments (continued)</u>

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 2002 and 2001 amounted to \$1,070,514 and \$4,982,174, respectively.

Worker's compensation expense provision for 2002 and 2001 amounted to \$3,863,852 and \$2,470,336, respectively.

The hospitalization self-insurance benefits are administered by Blue Cross of Louisiana. The Board's expense provision in excess of employee contributions for 2002 and 2001 was approximately \$8,800,000 and \$7,700,000 respectively, and is included in payroll related expenses.

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

Fiscal Year	_	Beginning of Year	Claims and Estimate Change	Claim Payments	End of Year	
2002	\$	35,764,270	14,142,725	12,248,690	37,658,305	
2001	\$	34,038,890	15,152,510	13,427,130	35,764,270	

Current Vear

NOTES TO FINANCIAL STATEMENTS (Continued)

(11) Commitments (continued)

The composition of claims payable is as follows:

	2002	2001
Short-term:		
Workers' Compensation	\$ 1,279,728	\$ 1,004,564
Health Insurance	2,097,360	1,714,091
General Liability	22,928,419	20,163,186
Total short-term	26,305,507	22,881,841
Long-term:		
Workers' Compensation	6,852,798	6,182,430
General Liability	4,500,000	6,699,999
Total long-term	11,352,798	12,882,429
Total	\$ 37,658,305	\$ 35,764,270

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. The Board expended \$29,845,171 and \$27,413,314 of the commitment at December 31, 2002 and 2001, 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.

d. <u>Postemployment Healthcare Benefits</u>

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 2002 and 2001, the costs incurred by the Board for those benefits were approximately \$2,953,001 and \$2,895,306, respectively, net of retiree contributions of \$188,985 and \$188,878, respectively. The number of participants eligible to receive health care benefits was 688 and 634 as of December 31, 2002 and 2001, respectively.

NOTES TO FINANCIAL STATEMENTS

(Continued)

(12) <u>Deferred Compensation Plan</u>

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.

(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:

Cor	idens			f Net Assets	<u> </u>	^		_
	_	Water			_	S	ewe	r
		2002	_	2001	_	2002		2001
				(amounts	in the	usands)		
Assets:					_		•	242.200
Property, plant and equipment	\$	235,817	\$	237,021	\$	377,533	\$	343,299
Restricted assets		57,827		27,596		127,048		95,994
Current		15,262		14,629		7,738		7,605
Other assets		3,856		4,490	_	3,212		3,475
Total assets	s _	312,762	\$	283,736	\$ _	515,531	. \$ <u>_</u>	450,373
Net assets:								
Invested in capital assets,								
net of related debt	\$	196,733	\$	224,315	\$	288,367	\$	282,907
Restricted		37,483		13,900		21,337		12,386
Total net assets	_	234,216		238,215	_	309,704		295,293
Liabilities:								
Current		21,501		19,588		16,446		19,281
Current liabilities payable from								
restricted assets		6,691		7,059		9,982		7,630
Noncurrent liabilities		50,354		18,874	_	179,399		128,169
Total liabilities	-	78,546		45,521	_	205,827		155,080
Total liabilities and net assets	\$	312,762	- \$ -	283,736	\$	515,531	_\$_	450,373

NOTES TO FINANCIAL STATEMENTS

(Continued)

(14) Segment Information (continued)

Condensed Statements of	Revenues, E	xpenses and	I Changes in Net Assets
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		W	ate	7		Sew	er
	_	2002		2001		2002	2001
	_			(amounts i	n tho	usands)	
Service charges, pledged	\$		\$		\$	\$	
against bonds		54,441		53,069		53,584	49,709
Depreciation expense		(13.046)		(12,943)		(10,824)	(10,872)
Other operating expenses		(47.044)		(48.899)		(32,126)	(36,694)
Operating income	_	(5,649)	_	(8,773)		10,634	2,143
Nonoperating revenues:							
Investment earnings		-		477		716	654
Other		354		350		439	436
Capital contributions		1,296		908_		2,622	8,735
Change in net assets		(3,999)	_	(7,038)		14,411	11,968
Beginning net assets		238,215		245,253		295,293	283,325
Ending net assets	\$ _	234,216	s <u> </u>	238,215	; <u> </u>	309,704 \$	295,293

Condensed Statements of Cash Flows	Condensed	Statements	$\circ f$	Cash Flows
------------------------------------	-----------	------------	-----------	------------

		Wete	-			ewe	r	
		Water				. ***		
		2002	2001	_	2002		2001	
			(amounts in	thou	ısands)			
Net cash provided by (used in):								
Operating activities	\$	8,447 \$	(3,095)	\$	17,459	\$	19,346	
Noncapital financing activities		354	350		429		436	
Capital and related financing								
activities		22,372	(13,622)		11,166		(15,902)	
Investing activities		(30,359)	16,470	_	23,998	_	(2,829)	
Net increase	_	814	103		53,052		1,051	
Cash and cash equivalents:								
Beginning of year		1,019	916		1,672		621	
End of year	\$_	1,833 \$	1,019	;	54,724	\$ _	1,672	

(15) Subsequent Event

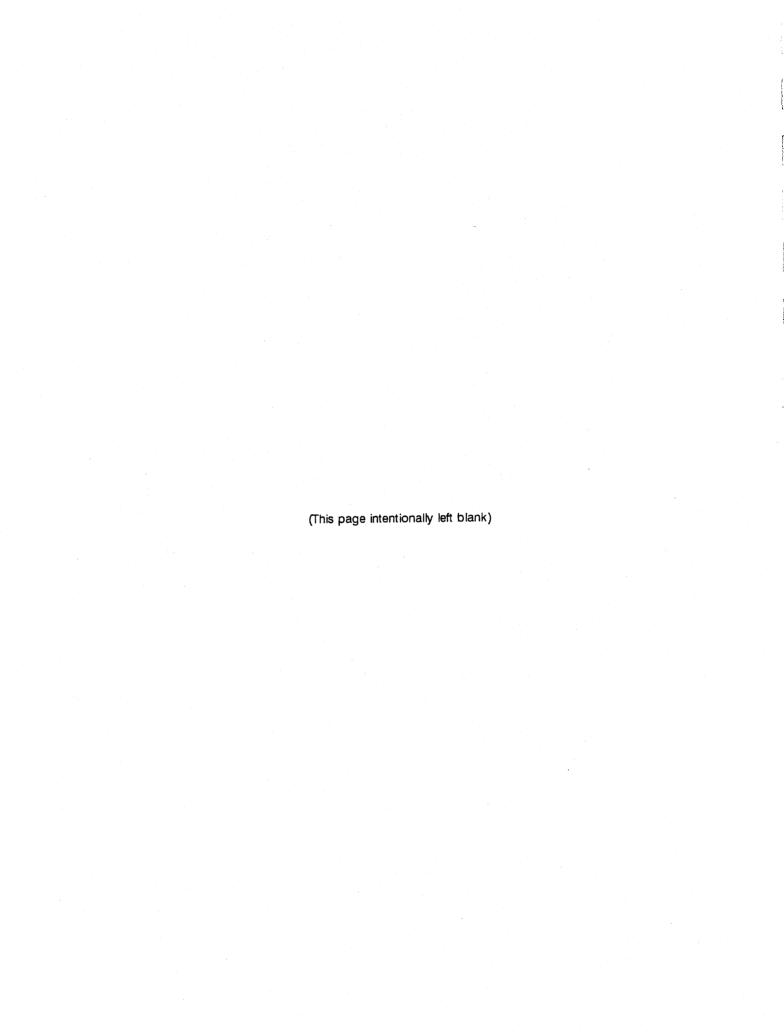
In April 1999, the Sewerage and Water Board adopted a resolution authorizing its advisors to develop a plan for the managed competition procurement of the Water and Sewer Systems 9the "Procurement Plan"), including provisions for its scope, time-line, evaluation and procedures. Under the Procurement 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.

NOTES TO FINANCIAL STATEMENTS (Continued)

(15) Subsequent Event (continued)

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.

REQUIRED SUPPLEMENTARY INFORMATION (GASB STATEMENT NO. 25)



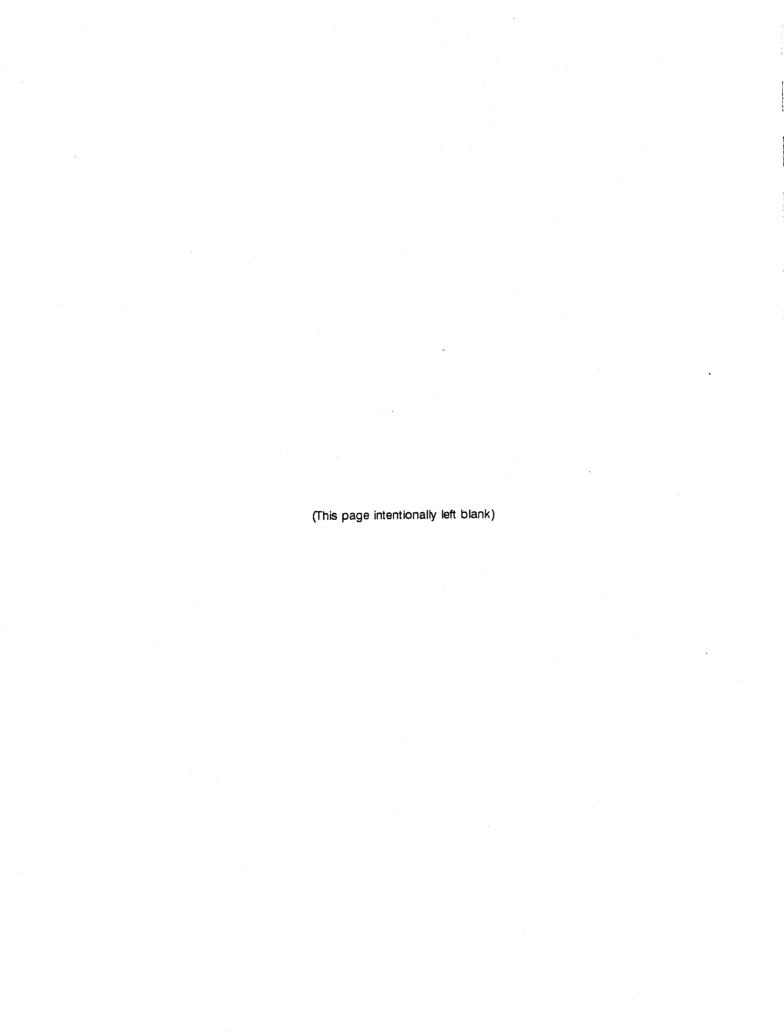
Required Supplementary Information Under GASB Statement No. 25

SCHEDULE OF FUNDING PROGRESS

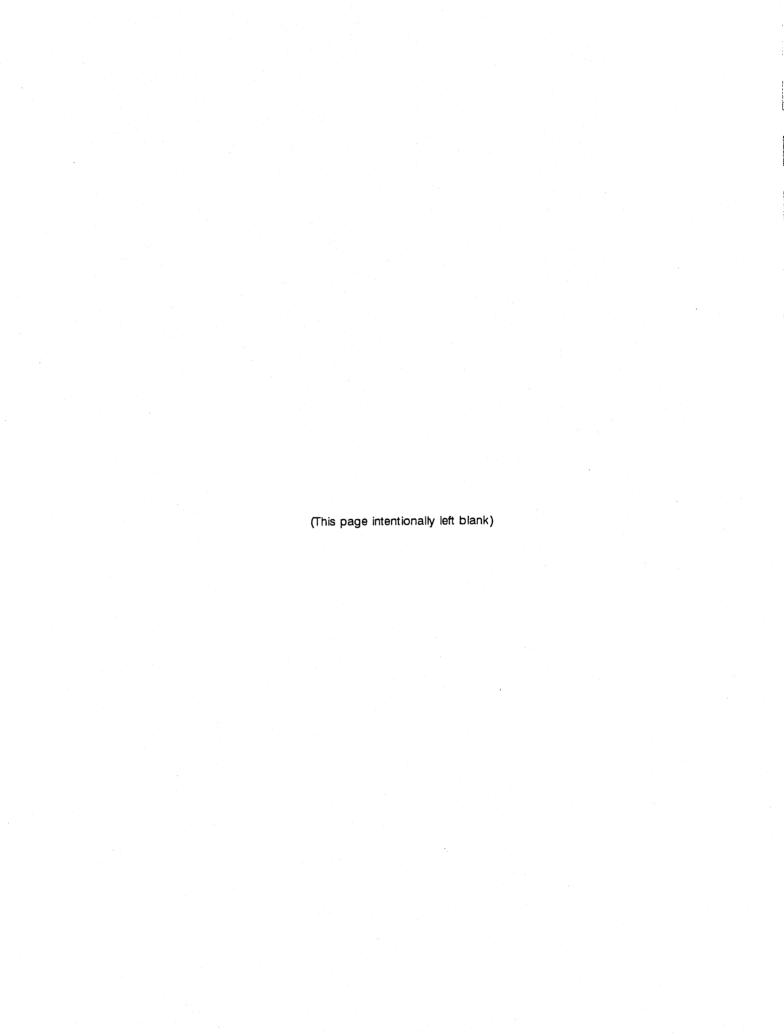
Actuarial Valuation Date	Actuarial Value of Assets		Actuarial Accrued Liability (AAL)	· (Overfunded) Unfunded AAL	Funded Ratio	Covered Payroll	Unfunded AAL as a Percentage of payroll
12/31/2002	\$ 187,892,716	S	197,323,094	\$	9.430,378	95.22%	\$ 28,886,538	32.65%
12/31/2001	180,737.126		167,062,451		(13,674,675)	108.19%	28,855,551	(47.39%)
12/31/2000	164,845,672		160,568,317		(4,277,355)	102.66%	30,235,213	(14.15%)
12/31/1999	149,976,441		156,520,350		6,543,909	95.82%	31,276,546	20.92%
12/31/1998	134,901,231		148,431,620		13,530,389	90.88%	31,544,198	42.89%
12/31/1997	120,911,255		141,228,850		20,317,595	85.61%	32,772,094	62.00%

SCHEDULE OF EMPLOYER CONTRIBUTIONS

Year Ended	Annual Required ontribution	c	Actual ontribution	Percentage Contribution
12/31/2002	\$ 3,190,707	S	2,931,065	91.86%
12/31/2001	-		5,417,852	, -
12/31/2000	891,032		5,444,048	610.98%
12/31/1999	3,304,992		5,270,098	159.46%
12/31/1998	4,696,092		5,315,197	113.18%
12/31/1997	5,701,361		5,522,097	96.86%



SUPPLEMENTARY INFORMATION



SEWERAGE AND WATER BOARD OF NEW ORLEANS

STATEMENTS OF NET ASSETS BY DEPARTMENT

ENTERPRISE FUND

As of December 31, 2002 and 2001

	Water	Water Custern	Cetterane Curtem	Cuestom	Drainane System	Cyctem	Total	-
	1		2000			. 1		
ASSETS	7007	1007	7007	1007	7007	7007	7007	1007
Property, plant and equipment	\$ 424,918,469	\$ 413,377,655	\$ 521,435,898	\$ 478,166,276	\$ 630,350,584	\$ \$73,301,695	\$ 1,576,704,951	\$ 1,464,845,626
	235,817,286	237,021,234	377,533,095	343,299,336	183,794,861	437,162,517	1,097,145,242	1,017,483,087
Restricted assets:	75. 000 . 6		0000	000		100 /21 00	9	9
Capital projects	071,929,176	7 974 169	9,900,000	11,030,000	067,666,16	15,07,06,021	70, 768,410	86.345.813
Dah service reserve	3.928.380	3,613,436	15,495,985	10.983.940	000000		19,424,365	14.597,376
Customer deposits	5,137,096	5,579,473	•	•	•	•	5,137,096	5,579,473
Health insurance reserve	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	000'000'6	0,000,000
Debt service	648,491	306,095	4,378,206	3,148,473	71,868	1 000 01	5,098,565	3,454,568
Other	94,000	000,46	000,67	000,61	000,65	000,65	000,217	212,000
	57,827,272	27,595,700	127,047,599	95,994,340	83,768,698	69,503,739	268,643,569	193,093,779
Current assets.								
Cash	1,827,586	1,002,377	1,492,100	1,575,639	1,068,064	370,421	4,387,750	2,948,437
Accounts receivable: Customers net of allowance	6.302.341	6.975.551	4,493,336	4.558.081	•	,	10.795,677	11,533,632
Taxes		•		•	3,943,592	5,391,875	3,943,592	5,391,875
Interest	37,881	17,061	26,339	60,493	178,005	350,834	242,225	488,388
Grants	102,582	•	862,969	214,529	•	•	155'596	214,529
Miscellaneous	170,807	223,385	314,713	462,808	329,924	559,484	815,414	1,245,677
Due from City of New Orleans, current	000'96	000'96	70,000	70,000	34,000	34,000	200,000	200,000
Due from (to) other internal departments/other fund	1,816,466	1,178,345	(1,434,009)	(1,471,324)	(182,457)	292,979	200,000	
Inventory of supplies	4,670,188	4,773,461	1,727,304	1,899,362	172,701	196,242	6,570,193	590'698'9
Prepaid expenses	238,514	302,560	185,511	235,325	106,006	134,471	530,031	672,356
Total current assets	15,262,365	14,628,740	7,738,263	7,604,913	5,649,835	7,330,306	28,650,463	29,563,959
Due from City of New Orleans, less current portion	379,405	431,321	276,650	314,505	134,373	152,760	790,428	898,586
Other assets:						3		
Bond issue costs	350,098	196,736	1,018,400	791,459	224,536	85,346	1,593,034	1,073,541
Deposits	22,950	22,950	17,965	17,965	10,400	10,400	\$1,315	\$1,315
Pension Asset	3,102,461	3,839,078	1,899,467	2,350,457	1,329,627	1,645,320	6,331,555	7,834,855
	3,475,509	4,058,764	2,935,832	3,159,881	1,564,563	1,741,066	7,975,904	8,959,711
	\$ 312,761,837	\$ 283,735,759	\$ 515,531,439	\$ 450,372,975	\$ 574,912,330	\$ 515,890,388	\$ 1,403,205,606	\$ 1,249,999,122

(Continued)

SEWERAGE AND WATER BOARD OF NEW ORLEANS

STATEMENTS OF NET ASSETS BY DEPARTMENT, CONTINUED

ENTERPRISE FUND

As of December 31, 2002 and 2001

	Water	Water System	Sewerag	Sewerage System	Drainage System	System	Ţ	Total
	2002	2001	2002	2001	2002	2001	2002	2001
NET ASSETS AND LIABILITIES								
Net assets								
Invested in capital assets - net of related debt	\$ 196,732,662	\$ 224,315,403	\$ 288,367,383	\$ 282,907,263	\$ 482,663,451	\$ 441,586,235	\$ 967,763,496	\$ 948,808,901
Restricted for:								
Debt service Capital Projects	4,368,411	3,843,568 10,055,694	18,923,549 2,412,772	(1,176,581)	40,631,402	45,328,602	23,291,960 76,158,913	17,405,879 54,207,715
Total net assets	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
Long -term liabilities:	77C FBC C	- FA 1 A 2 GA 1 A 2	2 204 266	4 204 143	236 196 2	200.7	002 030	00000
Bonds payable (net of current maturities)	48,069,753	14,580,000	177,115,120	123,875,000	0,784,280	9,830,000	252.994.873	12,882,429
	50,354,019	18,874,143	179,399,386	128,169,143	34,594,266	14,124,143	264,347,671	161,167,429
Current liabilities (payable								
from current assets)		707,000						
Accounts payable	5,3,6,803	909,606	6,203,500	8,446,932	2,905,679	3,116,468	14,485,982	17,473,006
Due to City of New Orleans	80,07	731,636		• 1	•	•	25,658	231,636
Retainers and estimates payable	105,606	150,561	107,724	19,567	709,728	363,150	923,058	533,278
Due to other fund	18,400	11,403	39,199	6,749	22,399	5,120	866 6L	23,272
Accrued salaries	663,382	623,951	379,251	384,689	299,258	308,069	1,341,891	1,316,709
Accrued vacation and sick pay	4,681,732	4,734,498	2,786,860	2,867,491	2,153,057	2,109,884	9,621,649	9,711,873
Claims payable	10,624,514	7,895,822	6,928,487	7,553,003	8,752,506	7,433,016	26,305,507	22,881,841
Other liabilities	4,906	30,824	820	2,615	•	•	5,756	33,439
	21,501,001	19,588,301	16,445,871	19,281,046	14,842,627	13,335,707	52,789,499	52,205,054
Current liabilities (payable								
from restricted assets):								
Accried interest	208,460	196,57	950,642	2/0,102	135,496	19,55	1,294,598	8/9,10/
Bonds payable	1,105,000	000,050,1	6,245,000	4,250,000	2,020,000	1,435,000	9,370,000	6,735,000
Retainers and estimates payable	240,449	353,214	2,786,836	2,809,691	25,088	25,088	3,052,373	3,187,993
Customer deposits	5,137,096	5,579,473	•	•	•	•	5,137,096	5,579,473
	6,691,005	7,058,650	9,982,478	7,629,793	2,180,584	1,515,701	18,854,067	16,204,144
Total current liabilities	28,192,006	26,646,951	26,428,349	26,910,839	17,023,211	14,851,408	71,643,566	68,409,198
Total liabilities	78,546,025	45,521,094	205,827,735	155,079,982	51,617,477	28,975,551	335,991,237	229,576,627
Total fund equity and liabilities	\$ 312,761,837	\$ 283,735,759	\$ 515,531,439	\$ 450,372,975	\$ 574,912,330	\$ 515,890,388	\$ 1,403,205,606	\$ 1,249,999,122
See accompanying independent auditors' report.								

SEWERAGE AND WATER BOARD OF NEW ORLEANS

REVENUES, EXPENSES AND CHANGES IN NET ASSETS BY DEPARTMENT

ENTERPRISE FUND

For the years ended December 31, 2002 and 2001

	Water Syste	ystem	Sewerage System	System	Drainage System	System	Total	
	2002	2001	2002	2001	2002	2001	2002	2001
Operating revenues:			•				040 010 030	010 120 13
Sales of water and delinquent fees	5 53,413,048	3 51,8/1,210	•		•	•	3 53,413,048	015,170,10
Sewerage service charges		•	53,455,291	49,302,683	•		53,455,291	49,302,063
Plumbing inspection and license fees	109,685	106,918	109,685	106,918	•	•	219,370	213,836
Other revenues	917,829	1,091,055	19,100	299,604	878,022	958,387	1,814,951	2,349,046
Total revenues	54,440,562	53,069,183	53,584,076	49,709,205	878,022	958,387	108,902,660	103,736,775
Operating Expenses:								
Power and pumping	7,890,696	10,096,276	2,282,744	2,713,134	6,081,928	7,076,597	16,255,368	19,886,007
Treatment	4,548,836	5,168,999	10,966,746	10,580,586		•	15,515,582	15,749,585
Transmission and distribution	9,746,266	8,654,532	5,307,214	5,511,353	3,179,603	3,351,237	18,233,083	17,517,122
Customer accounts	1,192,374	1,385,807	1,192,370	1,385,802			2,384,744	2,771,609
Customer service	1,365,884	1,343,899	1,365,879	1,343,895	•	•	2,731,763	2,687,794
Administration and general	6,929,101	7,122,913	5,285,070	5,286,598	2,248,893	2,183,894	14,463,064	14,593,405
Payroll related	1,778,891	6,865,602	4,716,852	4,323,641	3,577,930	3,179,273	16,073,673	14,368,516
Maintenance of general plant	4,844,853	4,720,953	2,547,827	2,475,371	2,628,166	2,628,670	10,020,846	9,824,994
Depreciation	13,045,978	12,943,331	10,823,668	10,872,406	10,681,813	10,562,848	34,551,459	34,378,585
Amortization	58,712	190'95	48,058	46,912	23,534	21,500	130,304	124,473
Provision for doubtful accounts	1,182,640	880,310	818,099	780,957	•		1,842,958	1,661,267
Provision for claims	1,505,051	2,603,310	(2,246,496)	2,245,897	5,675,811	2,603,303	4,934,366	7,452,510
Total operating expenses	60,089,282	61,841,993	42,950,250	47,566,552	34,097,678	31,607,322	137,137,210	141,015,867
Operating income (loss)	(5,648,720)	(8,772,810)	10,633,826	2,142,653	(33,219,656)	(30,648,935)	(28,234,550)	(37,279,092)
Non-overeting regentles								
Two-mill fax	•	•	•	•	2,058	10,726	8,05k	10,726
Three-mill tax	•		•	•	10,312,636	10,772,176	10,312,636	10,772,176
Six-mill tax	•	•	•	•	10,567,048	10,906,914	10,567,048	10,906,914
Nine-mill tax		•			15,946,585	16,342,792	15,946,585	16,342,792
Other taxes	354,156	349,610	438,727	436,030	•		792,883	785,640
Interest income		476,716	115,713	654,241	900,534	2,825,053	1,616,307	3.956,010
Total non-operating revenues	354,156	826,326	1,154,500	1,090,271	37,731,861	40,857,661	39,240,517	42,774,258
		;				700 000 01	170 300 11	7,71 304 3
Income before capital contributions	(5,294,564)	(7,946,484)	11,788,326	3,232,924	4,512,205	10,208,726	196,500,11	3,473,100
Capital contributions	1,295,711	907,694	2,622,385	8,734,923	31,867,811	37,649,211	35,785,907	47,291,828
Change in net assets	(3,998,853)	(7,038,790)	14,410,711	11,967,847	36,380,016	47,857,937	46,791,874	\$2.786,994
Net assets, beginning of year, restated	238,214,665	245,253,455	295,292,993	283,325,146	486,914,837	439,056,900	1,020,422,495	967,635,501
Net assets, end 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
See accompanying independent auditors' report.								
					•			

SCHEDULE OF PROPERTY, PLANT, AND EQUIPMENT BY DEPARTMENT

DECEMBER 31, 2002 AND 2001

					2002			
	_	Water		Sewer		Drainage		Total
Real estate rights, non depreciable	s -	2,898,138	s -	905,876	`s	4,768,886	s	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 eqiupment	s	235,817,286	-	377,533,095	_	483,794,861	-	1,097,145,242
					2001			
	_	Water		Sewer		Drainage		Total
Real estate rights, non depreciable	\$	2,898,138	\$	905,876	S	4,768,886	\$	8,572,900
Power and pumping stations - buildings		52,384,607		25,526,896		114,334,109		192,245,612
Power and pumping stations - machinery		109,523,574		28,925,136		90,439,652		228,888,362
Distribution systems		118,926,916				-		118,926,916
Sewerage collection		-		166,955,586		211 452 405		166,955,586 211,453,485
Canals and subsurface drainage		-		-		211,453,485		112,967,536
Treatment plants				112,967,536		-		40,451,522
Connections and meters		27,278,611		13,172,911		11,407,980		25,584,083
Power transmission		8,817,200		5,358,903		45,415,400		187,802,711
General plant		83,859,860		58,527,451		4,852,010		9,277,481
General buildings	_	3,088,499		1,336,972		4,832,010		3,277,101
Total property, plant and equipment in service		406,777,405		413,677,267		482,671,522		1,303,126,194
•		, ,		, ,		00.630.173		161 710 422
Construction in progress		6,600,250		64,489,009		90,630,173	_	161,719,432
		413,377,655		478,166,276		573,301,695		1,464,845,626
Total property, plant, and equipment		413,377,033		,,				
Accumulated depreciation		176,356,421	_	134,866,940		136,139,178	_	447,362,539
	 \$							447,362,539 1,017,483,087

SEWERAGE AND WATER BOARD OF NEW ORLEANS SCHEDULE OF BONDS PAYABLE December 31, 2002

	•			December 31, 2002	31, 2002			
	Average Annual Interest Rates	Interest Payment Dates	Issue Date	Final Maturity Date	Outstanding as of 12/31/2001	New Debt in 2002	Payments in 2002	Outstanding 12/31/2002
Drainage System Refunding Bonds, Series 1994 (6-Mills)	2.06%	(5/1;11/1)	04/01/94	11/01/03	2,220,000	•	1,080,000	1,140,000
Drainage System Bonds Series 1998 (9-Mills)	4.84%	(6/1;12/1)	12/01/98	12/01/18	9,045,000	: • • • • • • • • • • • • • • • • • • •	355,000	8,690,000
Drainage System Bonds Series 2002 (9-Mills)	4.46%	(6/1,12/1)	10/01/02	12/01/22		20,000,000		20,000,000
					11,265,000	20,000,000	1,435,000	29,830,000
Sewer Revenue Bonds, 1997	5.36%	(6/1;12/1)	26/10/90	06/01/17	26,465,000		1,030,000	25,435,000
Server Revenue Bonds, 1998	4.82%	(6/1;12/1)	12/01/98	06/01/18	22,915,000		915,000	22,000,000
Sewer Revenue Bonds, 2000	5.48%	(6/1;12/1)	09/10/50	06/01/20	26,070,000		770,000	25,300,000
Sewer Revenue Bonds, 2000-B	5.43%	(6/1;12/1)	00/10/11	06/01/20	19,955,000	•	605,000	19,350,000
Sewer Revenue Bonds, 2001	5.02%	(6/1,12/1)	12/01/01	06/01/21	32,720,000	. .	930,000	31,790,000
Sewer Revenue Bonds, 2002	4.36%	(6/1;12/1)	12/01/02	06/01/22	1	57,000,000	•	57,000,000
					128,125,000	57,000,000	4,250,000	180,875,000
Water Revenue Bonds, 1986	6.73%	(6/1,12/1)	98/10/80	12/01/03	000,596	•	465,000	500,000
Water Revenue Bonds, 1998	4.82%	(6/1;12/1)	12/01/98	12/01/18	14,665,000		585,000	14,080,000
Water Revenue Bonds, 2002	4.57%	(6/1;12/1)	10/01/02	12/01/22		34,000,000	•	34,000,000
					15,630,000	34,000,000	1,050,000	48,580,000
TOTAL					155,020,000	111,000,000	6,735,000	259,285,000

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, 2002

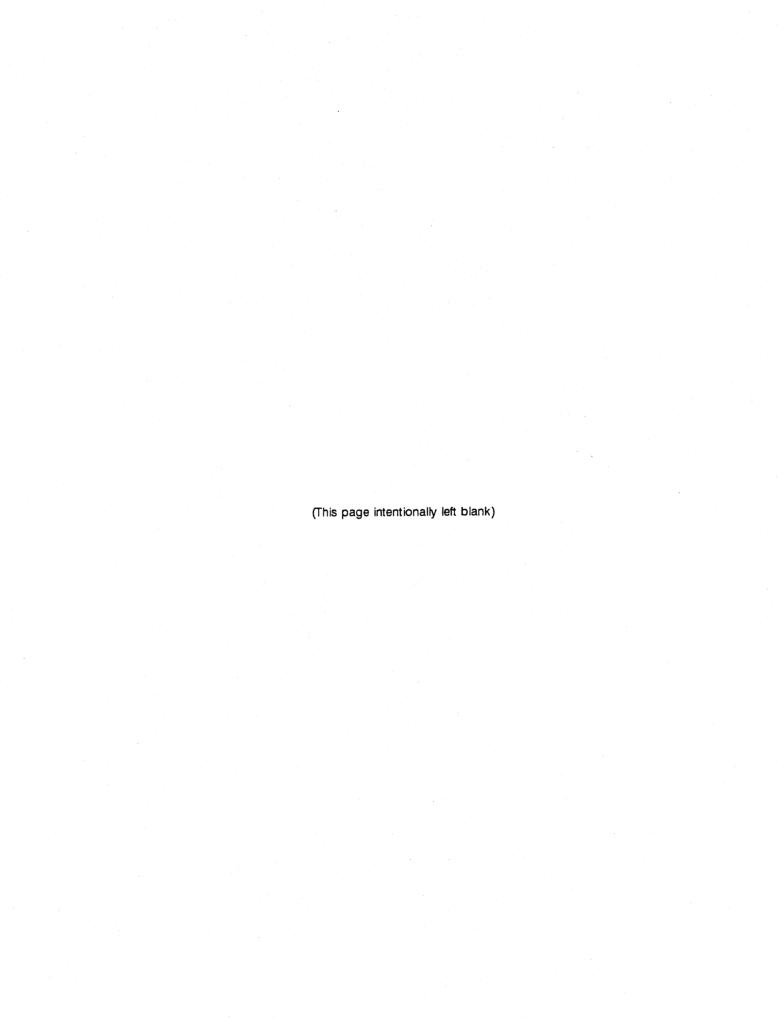
		Debt Servi	Debt Service Account		Deb	Debt Service Reserve Accounts	ounts
	Water Revenue Bonds	Sewer Revenue Bonds	Drainage System Bonds	Total	Water Revenue Bonds	Sewer Revenue Bonds	Total
Cash and investments at beginning of year	\$ 306,095	\$ 3,148,473	.	\$ 3,454,568	\$ 3,613,436	\$ 10,983,940	\$ 14,597,376
Cash receipts: Interest received Bond proceeds and accrued interest Transfers from operating cash and debt service reserve	2,309,602	12,249,961	71,868	71,868 14,559,563	122,606 2,483,260	312,519	435,125
Total cash and investments	2,615,697	15,398,434	71,868	18,085,999	6,219,302	16,303,442	22,522,744
Cash disbursements: Principal and interest payments, cost of issuance and transfers Returned to operating cash	s 1,967,206	11,020,228		12,987,434	2,290,922	807,457	3,098,379
Total cash disbursements	1,967,206	11,020,228		12,987,434	2,290,922	807,457	3,098,379
Cash and investments at end of year	\$ 648,491	\$ 4,378,206	\$ 71,868	\$ 5,098,565	\$ 3,928,380	\$ 15,495,985	\$ 19,424,365

See accompanying independent auditors' report.

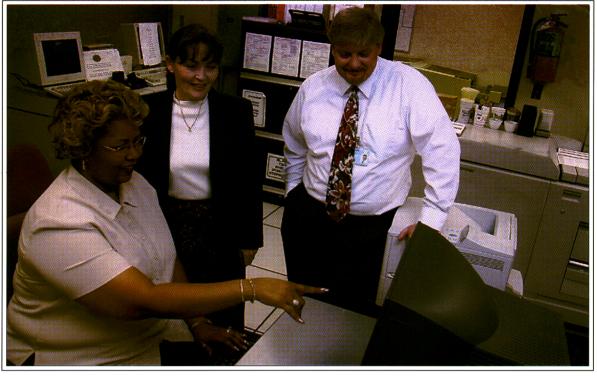
SEWERAGE AND WATER BOARD OF NEW ORLEANS
Changes in Self-Insurance Liabilities By Department
For the Year ended December 31, 2002

		Beginning		Current Year				B 1 C
		of		Claims and				End of
		Year		Estimate Change	_	Payments		Year
WATER								
Short-term:								
Workers' compensation	\$	334,854	\$	1.064.492	\$	972,770	\$	426.576
Health insurance		839.906		4,512,095		4,324,294		1,027,707
General liability		6,721,062		2,450,436		1.267		9,170,231
Total short-term	•	7,895,822		8.027.023	-	5.298.331	_	10.624.514
Total Short term	•		•		-		_	
Long-term:								2 204 266
Workers' compensation		2,060,810		223,456		-		2.284.266
General liability		2,233,333		(2,233,333)	_		-	2 204 266
Total long-term		4,294,143		(2,009,877)	٠.		-	2,284,266
Total	\$	12,189,965	\$	6,017,146	\$_	5,298,331	\$_	12.908.780
	•							
SEWERAGE								
Short-term:	•	224.054	•	1.064.600	e ·	972,778	\$	426,576
Workers' compensation	\$	334,854	\$	1,064,500	\$		J	608,234
Health insurance		497,087		2,670,425		2,559,278		5.893,677
General liability		6,721,062		(1,301,119)	-	(473,734)	-	6.928.487
Total short-term		7,553,003		2,433,806	-	3,058,322	-	0.928.487
Long-term:								
Workers' compensation		2,060,810		223,456		, -		2,284,266
General liability		2,233,333		(2,233,333)		- ,		-
Total long-term		4,294,143		(2.009,877)	-	-	-	2,284,266
Total long-term					,-	2.050.222	<i>-</i>	
Total	. .	11,847,146	\$	423,929	\$_	3,058,322	\$ =	9,212,753
DRAINAGE								•
Short-term:								
Workers' compensation	\$	334,854	\$	1,064,492	\$	972,770	\$	426,576
Health insurance		377,100		2,025,839		1,941,520		461,419
General liability		6,721,062		2,121,196	_	977,747	_	7.864.511
Total short-term		7,433,016		5,211,527	_	3,892,037		8,752,506
Long-term:				222.456				2 204 266
Workers' compensation		2,060,810		223,456		•		2,284,266
General liability		2,233,333		2,266,667	-	-	-	4,500,000
Total long-term		4,294,143		2,490,123				6,784,266
Total	\$	11,727,159	\$	7,701,650	\$	3,892,037	\$ _	15,536,772
TOTAL								
Short-term:	_	1.001.515	•	2 102 404	ø	2 010 210	\$	1,279,728
Workers' compensation	\$	1,004,562	\$	3,193,484	\$	2,918,318	Þ	2,097,360
Health insurance		1,714,093		9,208,359		8,825,092		
General liability		20,163,186	٠.	3,270,513		505,280	•	22,928,419
Total short-term		22,881.841		15,672,356		12.248.690		26,305,507
Long-term:								4 053 700
Workers' compensation		6,182,430		670,368		-		6,852,798
General liability		6,699,999		(2,199,999)				4,500,000
Total long-term		12,882,429		(1,529,631)				11.352,798
Total	\$	35,764.270	\$	14,142,725	\$	12,248,690	\$	37,658,305
							•	

See accompanying independent auditors' report.



UNAUDITED



The Information Systems Department is constantly upgrading programs to improve customer service. Customers will soon have on-line access to personal billing information and will be able to pay bills electronically.

The Engineering Department designs major infrastructure improvement projects and oversees the construction process. Records of the improvements are carefully documented.



SEWERAGE AND WATER BOARD OF NEW ORLEANS

CAPITAL EXPENDITURES BY DEPARTMENT

ENTERPRISE FUND

Last Ten Fiscal Years (Unaudited)

Total	49,419,250	31,499,386	35,036,860	37,680,392	47,848,964	47,549,911	53,366,809	47,586,459	116,672,693	111,859,325
	\$								-	
Drainage	17,177,080	10,342,235	9,014,933	6,891,995	10,339,467	9,162,998	8,758,788	12,976,071	52,859,310	57,048,889
	\$									
Sewer	11,614,008	11,213,412	14,238,109	13,987,572	20,385,974	22,236,831	29,211,401	21,609,266	51,226,639	43,269,622
1	€9			•						
Water	20,628,162	9,943,739	11,783,818	16,800,825	17,123,523	16,150,082	15,396,620	13,001,122	12,586,744	11,540,814
	⇔									
Year	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002

¹ Includes contributed assets

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

2002	\$ 107,087,709 36,826,269 5,058 1,616,307 2,607,834	\$ 148,143,177	\$ 47,719,045 40,228,571 7,730,507 34,681,763 1,842,958 4,934,366 \$ 137,137,210	
2001	\$ 101,387,729 38,021,882 10,726 3,956,010 3,134,686	\$ 146,511,033	\$ 45,544,701 43,554,817 8,299,514 34,503,058 1,661,267 7,452,510 \$ 141,015,867	
2000	\$ 104,136,436 36,294,103 6,348 6,087,145 2,508,502	\$ 149,032,534	\$ 45,955,695 40,576,321 8,098,236 28,581,624 11,071,194 11,379,397 \$ 135,662,467	
1999	\$ 94,838,488 32,857,027 11,811 3,468,929 1,975,775	\$ 133,152,030	\$ 46,924,868 33,564,383 9,562,704 27,628,934 1,002,267 7,165,150 \$ 125,848,306	
1998	\$ 93,640,920 32,120,157 20,017 5,877,860 2,709,878	\$ 134,368,832	\$ 48,316,625 31,368,417 8,711,943 - 26,898,861 7,199,793 2,858,224 \$ 126,191,040	
1997	\$ 91,931,554 30,216,975 17,366 7,949,404 2,051,846	\$ 132,167,145	\$ 51,540,718 32,518,005 9,714,832 26,058,333 995,435 7,154,016 2,599,896 \$ 130,581,233	
9661	\$ 93,288,660 28,939,562 17,676 6,729,404 1,930,732	\$ 130,906,034	\$ 47,873,886 32,732,388 9,423,809 25,098,375 1,185,345 5,265,081 2,244,315 \$ 123,823,199	
1995	\$ 93,746,543 28,144,310 94,551 7,813,226 2,091,070	\$ 131,889,700	\$ 45,053,530 29,956,993 8,301,900 23,651,539 1,024,383 3,862,241 2,834,930 \$ 114,685,516	
1994	\$ 93,835,767 28,163,565 86,103 5,556,027 1,911,706	\$ 129,553,168	\$ 46,636,948 28,627,619 8,215,530 389,525 22,661,580 1,654,355 2,738,881 3,691,800 \$ 114,616,238	
1993	\$ 93,371,441 27,857,245 132,238 5,554,696 2,184,581	\$ 129,100,201	\$ 44,876,241 27,825,642 7,458,111 353,098 19,299,433 1,275,290 1,572,098 5,997,197 \$ 108,657,110	
Revenues	Charges for service Dedicated taxes Two-mil tax Interest on investments Other taxes and revenue	ŗ	Personnel services* Services and utilities Materials and supplies Miscellaneous Depreciation and amortization Provision for doubtful accounts Provision for claims Interest	

Note: Years prior to 2001 have not been restated for impact of GASB 33. • 1991 to 1997 restated for the adoption of GASB Statement No. 27.

Property Tax Levies and Collections by the City of New Orleans

Last Ten Fiscal Years (Unaudited - Amounts in Thousands)

Collected during 2001 (2)	Amount		\$ 202	5 221										\$	S	=	42	356		325	432	2,132	
Balance Outstanding at December 31, 2001 (2)	Percent		1.24	1.35	1.43	1.71	1.81	2.49	2.84	3.10	5.28	6.7		6.22	6.27	5.09	4.84	8.63	5.69	6.75	5.92	7.82	17.24
Balanc at Decem	Amount		\$ 1,894	2,017	2,094	2,476	2,813	3,919	4,655	5,333	10,542	14,046		\$ 4,668	4,570	3,813	3,840	7,379	5,013	6,401	5,834	8,286	18,972
Through 1, 2001 (2)	Percent		98.76	98.65	98.57	98.29	98.19	97.51	97.16	06.96	94.72	93.29		93.78	93.73	94.91	95.16	91.37	94.31	94.08	92.18	92.18	82.76
Collected Through December 31, 2001 (2)	Amount		\$ 151,176	147,610	144,357	142,529	152,484	153,598	159,060	166,683	189,124	195,395		\$ 70,385	68,296	71,142	75,418	78,091	83,113	88,376	92,633	97,665	91,086
	Total Levied		153,070	149,627	146,451	145,005	155,297	157,517	163,715	172,016	199,666	209,441	S:	75,053	72,866	74,955	79,258	85,470	88,126	94,777	98,467	105,951	110,058
	Έ	Taxes:	• •••										roperty Taxes:	\$									
Fiscal	Year	Real Estate Taxes:	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	Personal Property	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001

(2) The latest date available for Property Tax Levies and Collections by the City of New Orleans is the year ended December 31, 2001

SEWERAGE AND WATER BOARD OF NEW ORLEANS

Assessed and Estimated Actual Value of Taxable Property

Last Ten Fiscal Years (Unaudited)

(Amount in thousands)

918,234 456,806 1,375,040 894,733 467,805 1,362,538 885,899 467,699 1,353,598 948,777 533,300 1,482,077 960,554 548,893 1,509,447 977,783 578,256 1,556,039 1,013,240 592,741 1,605,981 1,159,821 628,860 1,788,681 1,214,098 651,744 1,865,842	Total Net Total Estimated Assessed Value Actual Value(1)	Ratio of Total Net Assessed to Total Estimated Actual Value
467,805 467,699 533,300 548,893 578,256 592,741 628,860 651,744	75,040 10,915,928	12.6%
467,699 533,300 548,893 578,256 592,741 628,860 651,744		12.6%
533,300 548,893 578,256 592,741 628,860 651,744		12.6%
548,893 578,256 592,741 628,860 651,744		12.7%
578,256 592,741 628,860 651,744		12.7%
592,741 628,860 651,744		12.7%
628,860 651,744		12.7%
651,744		12.7%
		12.6%
619,368		12.6%

Source: City of New Orleans Annual Financial Report.

2001 - Latest year for which information is available.(1) Amounts are net of the homestead exemption.

Property Tax Rates - Direct and Overlapping Governments

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

Last Ten Fiscal Years (Unaudited)

Fiscal <u>Year</u>	City of New Orleans	Orleans Levee Board	Sewerage & Water Board of New Orleans	Orleans Parish <u>School Board</u>	Audubon Park & <u>Zoo</u> <u>Aquarium</u>	Total
1993	75.90	11.29	22.59	45.10	4.55	160.62
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	12.76	22.59***	53.05*	4.55	170.04

Source: City of New Orleans

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

^{***3} mills adopted in 1967 Expires in 2017

^{***6} mills adopted in 1978 Expires in 2027

^{***9} mills adopted in 1982 expires in 2032

Computation of Direct and Overlapping Debt

December 31, 2002 (Unaudited)

	Net Outstanding Debt	Percentage Overlapping	Overlapping Debt
Direct debt:			
Sewerage and Water Board, net of debt service funds	\$29,830,000	100%	\$29,830,000
(tax bonds only)			
Overlapping debt:	645,271,000	100%	645,271,000
City of New Orleans	•	100%	56,410,000
Audubon Park Commission	56,410,000	100%	337,376,749
Orleans Parish School Board (1)	337,376,749		356,364,000
Orleans Levee District (1)	356,364,000	100%	356,364,000
Total overlapping debt	1,395,421,749	100%	1,395,421,749
Total direct and			04 405 054 740
overlapping debt	<u>\$1,425,251,749</u>	<u>100%</u>	\$1,425,251,749

⁽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 Nine Fiscal Years¹ (Unaudited)

	Соvегаде	4.83	5.25	4.01	3.10	6.04	3.67	2.67	3.52	5.50
	Total	3,342,360	3,374,625	3,232,445	2,996,500	2,258,050	3,308,436	3,613,436	1,841,818	1,832,068
Debt Service Requirement*	Interest	1,137,360	989,625	827,445	661,500	498,050	1,168,436	1,023,436	846,818	782,068
Debt 9	Principal	2,205,000	2,385,000	2,405,000	2,335,000	1,760,000	2,140,000	2,590,000	000'\$66	1,050,000
Net Revenue Available for	Debt Services	16,144,371	17,711,428	12,959,934	9,279,170	13,629,989	12,134,020	9,662,339	6,482,185	10,068,190
Net F Avail	Debt	۶۶	. -							
Direct Operating	Expenses*	41,566,638	41,011,216	45,625,080	47,868,432	44,254,625	46,370,835	49,712,488	47,962,301	45,801,952
		€								
Operating	Revenue	57,711,009	58,722,644	58,585,014	57,147,602	57,884,614	58,504,855	59,374,827	54,444,486	55,870,142
		S								
Fiscal	Year	1994	1995	9661	1997	8661	1999	2000	2001	2002

* Current year annual debt service payment

Data for years prior to 1994 is not readily availabe.

REVENUE BONDS DEBT SERVICE COVERAGE

SEWER BONDS

Last NineFiscal Years
(Unaudited)

	Сочегаве	2.27				3.51	2.19	3.19	1.96	2.07
	Total	4,694,800				2,374,550	3,991,973	4,427,686	8,174,696	11,016,471
Debt Services Requirements*	Interest	294,800				1,574,550	2,761,973	2,682,686	5,254,696	6,766,471
Debt	Principal	4,400,000				800,000	1,230,000	1,745,000	2,920,000	4,250,000
	11									
Net Revenue Available for	Debt Services	10,640,213				8,330,762	8,722,707	14,128,956	16,039,202	22,777,512
Direct Operating	Expenses	28,633,005	plicable	plicable	plicable	31,703,857	32,359,817	35,549,015	35,863,277	31,418,205
Operating	Revenue	39,273,218	No outstanding bonds; not applicable	No outstanding bonds; not applicable	No outstanding bonds; not applicable	40,034,619	41,082,524	49,677,971	51,902,479	54,195,717
Fiscal	Year	1994	1995	9661	1661	8661	6661	2000	2001	2002
	ı									

Annual debt services payment

Data for years prior to 1994 is not readily availabe.

			Water Re	venue Bonds	
		Series 1986	Series 1998	Series 2002	All Bond Issues
2003	Principal Interest	\$ 500,000 35,000	\$ 605,000 678,686	\$ - 1,791,373	\$ 1,105,000 2,505,059
2004	Principal Interest		630,000 641,630	945,000 1,535,463	1,575,000 2,177,093
2005	Principal Interest		660,000 603,043	995,000 1,507,113	1,655,000 2,110,156
2006	Principal Interest		690,000 562,618	1,045,000 1,477,263	1,735,000 2,039,881
2007	Principal Interest		725,000 534,155	1,095,000 1,445,913	1,820,000 1,980,068
2008	Principal Interest		770,000 504,068	1,150,000 1,413,063	1,920,000 1,917,131
2009	Principal Interest		810,000 471,728	1,210,000 1,377,125	2,020,000 1,848,853
2010	Principal Interest		845,000 436,493	1,270,000 1,334,775	2,115,000 1,771,268
2011	Principal Interest		885,000 398,468	1,335,000 1,287,150	2,220,000 1,685,618
2012	Principal Interest		925,000 358,643	1,400,000 1,233,750	2,325,000 1,592,393
2013	Principal Interest		965,000 315,630	1,470,000 1,177,750	2,435,000 1,493,380
2014	Principal Interest		1,015,000 269,793	1,530,000 1,104,250	2,545,000 1,374,043
2015	Principal Interest		1,060,000 221,580	1,595,000 1,027,750	2,655,000 1,249,330
2016	Principal Interest		1,110,000 170,700	1,665,000 948,000	2,775,000 1,118,700
2017	Principal Interest		1,165,000 116,865	1,740,000 864,750	2,905,000 981,615
2018	Principal Interest		1,220,000 59,780	1,820,000 777,750	3,040,000 837,530
2019	Principal Interest			3,195,000 686,750	3,195,000 686,750
2020	Principal Interest			3,345,000 527,000	3,345,000 527,000
2021	Principal Interest			3,510,000 359,750	3,510,000 359,750
2022	Principal Interest			3,685,000 184,250	3,685,000 184,250
	Principal Interest	500,000 35,000	14,080,000 6,343,880	34,000,000 22,060,988	48,580,000 28,439,865
		\$ 535,000	\$ 20,423,880	\$ 56,060,988	\$ 77,019,86

				s	ewer Revenue Bon	ds		
•	· .	Series 1997	Series 1998	Series 2000A	Series 2000B	Series 2001	Series 2002	All Bond Issues
2003	Principal	\$ 1,100,000	\$ 950,000	\$ 820,000	\$ 640,000	\$ 1,100,000	\$ 1,635,000	\$ 6,245,000
	Interest	1,348,045	1,031,548	1,493,400	1,048,717	1,579,855	2,614,725	9,116,290
2004	Principal	1,170,000	985,000	870,000	680,000	1,145,000	1,725,000	6,575,000
	Interest	1,291,295	973,498	1,442,700	1,002,518	1,512,618	2,564,325	8,786,954
2005	Principal	1,245,000	1,030,000	920,000	715,000	1,195,000	1,820,000	6,925,000
	Interest	1,223,139	913,048	1,389,000	953,692	1,448,267	2,511,150	8,438,296
2006	Principal	1,330,000	1,075,000	975,000	760,000	1,250,000	1,920,000	7,310,000
	Interest	1,142,670	859,976	1,332,150	902,068	1,381,030	2,445,450	8,063,344
2007	Principal	1,415,000	1,135,000	1,035,000	800,000	1,305,000	2,025,000	7,715,000
	Interest	1,056,889	813,969	1,271,850	855,467	1,317,293	2,366,550	7,682,018
2008	Principal	1,490,000	1,200,000	1,095,000	850,000	1,360,000	2,135,000	8,130,000
	Interest	975,420	764,634	1,207,950	814,218	1,242,370	2,283,350	7,287,942
2009	Principal	1,570,000	1,265,000	1,160,000	895,000	1,420,000	2,255,000	8,565,000
	Interest	898,135	711,462	1,140,300	769,474	1,164,860	2,195,550	6,879,781
2010	Principal	1,655,000	1,320,000	1,230,000	950,000	1,485,000	2,380,000	9,020,000
	Interest	815,070	654,750	1,068,600	721,042	1,100,240	2,102,850	6,462,552
2011	Principal	1,745,000	1,380,000	1,305,000	1,005,000	1,545,000	2,510,000	9,490,000
	Interest	726,234	594,660	992,550	670,980	1,032,808	1,992,500	6,009,732
2012	Principal	1,840,000	1,445,000	1,385,000	1,060,000	1,615,000	2,645,000	9,990,000
	Interest	632,128	530,194	911,850	619,355	960,092	1,863,625	5,517,244
2013	Principal	1,940,000	1,510,000	1,465,000	1,120,000	1,685,000	2,790,000	10,510,000
	Interest	532,903	461,294	826,350	564,295	881,700	1,727,750	4,994,292
2014	Principal	2,050,000	1,585,000	1,555,000	1,185,000	1,760,000	2,945,000	11,080,000
	Interest	426,884	388,165	735,750	504,925	798,140	1,584,375	4,438,239
2015	Principal	2,170,000	1,655,000	1,645,000	1,255,000	1,840,000	3,110,000	11,675,000
	Interest	313,200	310,801	639,750	440,858	709,940	1,433,000	3,847,549
2016	Principal	2,290,000	1,735,000	1,745,000	1,325,000	1,930,000	3,280,000	12,305,000
	Interest	192,780	228,791	538,050	371,825	616,610	1,273,250	3,221,306
2017	Principal Interest	2,425,000 65,475	1,820,000 141,000	1,850,000 430,200	1,400,000 297,550	2,020,000 517,860	3,460,000 1,104,750	12,975,000 2,556,835
2018	Principal Interest		1,910,000 47,750	1,960,000 315,900	1,480,000 218,350	2,120,000 414,360	3,650,000 927,000	11,120,000
2019	Principal Interest			2,080,000 194,700	1,570,000 134,475	2,225,000 304,344	3,850,000 739,500	9,725,000 1,373,019
2020	Principal Interest			2,205,000 66,150	1,660,000 45,650	2,335,000 187,494	4,060,000 541,750	10,260,000 841,044
2021	Principal Interest					2,455,000 63,830	4,285,000	6,740,000 396,955
2022	Principal Interest						4,520,000	4,520,000
	Principal Interest	11,640,267 11,640,267 \$ 23,280,534	22,000,000 9,425,540 \$31,425,540	25,300,000 15,997,200 \$41,297,200	19,350,000 10,935,459 \$ 30,285,459	31,790,000 17,233,711 \$49,023,711	\$7,000,000 32,717,575 \$89,717,575	180,875,000 97,949,752 \$ 278,824,752
		- 20,200,334		-				

				Levenue Bonds	All Dand
		Series 1994	Series 1998	Series 2002	All Bond Issues
	•				
2003	Principal	\$1,140,000	\$ 370,000	\$ 510,000	\$ 2,020,000
	Interest	58,710	418,102	1,078,019	1,554,831
2004	Principal		390,000	535,000	925,000
	Interest		395,532	893,416	1,288,948
2005	Principal		405,000	560,000	965,000
2003	Interest		371,742	861,316	1,233,058
					1,015,000
2006	Principal		425,000	590,000 827,716	1,178,702
	Interest		350,986		
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
2007	Interest		294,472	716,116	1,010,588
		•			1,235,000
2010	Principal		520,000	715,000 675,016	947,738
	Interest		272,722		
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
2012	Deinning		595,000	830,000	1,425,000
2013	Principal Interest		198,280	593,218	791,498
2014	Principal		625,000	865,000	1,490,000 730,036
	Interest		170,018	560,018	
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
2017	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
205:				2,055,000	2,055,000
2021	Principal			194,738	194,738
	Interest				• •
2022	2 Principal			2,155,000	2,155,000
	Interest			100,208	100,208
Total	Principal	1,140,000	8,690,000	20,000,000	29,830,000
	Interest	58,710	3,954,710	11,467,653	15,481,073
		\$1,198,710	\$12,644,710	\$31,467,653	\$45,311,073

2003 Principal Interest 2004 Principal Interest 2005 Principal Interest 2006 Principal Interest 2007 Principal	\$ 1,105,000 2,505,059 1,575,000 2,177,093 1,655,000 2,110,156 1,735,000 2,039,881 1,820,000 1,980,068	\$ 6,245,000 9,116,290 6,575,000 8,786,954 6,925,000 8,438,296 7,310,000 8,063,344	\$ 2,020,000 1,554,831 925,000 1,288,948 965,000 1,233,058 1,015,000	** 9,370,000 13,176,180 9,075,000 12,252,995 9,545,000 11,781,510
2004 Principal Interest 2005 Principal Interest 2006 Principal Interest 2007 Principal	2,505,059 1,575,000 2,177,093 1,655,000 2,110,156 1,735,000 2,039,881 1,820,000	9,116,290 6,575,000 8,786,954 6,925,000 8,438,296 7,310,000	1,554,831 925,000 1,288,948 965,000 1,233,058	13,176,180 9,075,000 12,252,995 9,545,000
Interest 2005 Principal Interest 2006 Principal Interest 2007 Principal	2,177,093 1,655,000 2,110,156 1,735,000 2,039,881 1,820,000	8,786,954 6,925,000 8,438,296 7,310,000	1,288,948 965,000 1,233,058	12,252,995 9,545,000
Interest 2006 Principal Interest 2007 Principal	2,110,156 1,735,000 2,039,881 1,820,000	8,438,296 7,310,000	1,233,058	
Interest 2007 Principal	2,039,881 1,820,000	• •	1,015,000	
	, ,		1,178,702	10,060,000 11,281,927
Interest	1,700,000	7,715,000 7,682,018	1,070,000 1,125,876	10,605,000 10,787,962
2008 Principal	1,920,000	8,130,000	1,125,000	11,175,000 10,274,849
Interest	1,917,131	7,287,942	1,069,776	
2009 Principal	2,020,000	8,565,000	1,185,000	9,739,222
Interest	1,848,853	6,879,781	1,010,588	
2010 Principal	2,115,000	9,020,000	1,235,000	12,370,000
Interest	1,771,268	6,462,552	947,738	9,181,558
2011 Principal	2,220,000	9,490,000	1,300,000	13,010,000
Interest	1,685,618	6,009,732	896,892	8,592,242
2012 Principal	2,325,000	9,990,000	1,360,000	13,675,000 7,955,686
Interest	1,592,393	5,517,244	846,049	
2013 Principal	2,435,000	10,510,000	1,425,000	14,370,000
Interest	1,493,380	4,994,292	791,498	7,279,170
2014 Principal	2,545,000	11,080,000	1,490,000	15,115,000
Interest	1,374,043	4,438,239	730,036	6,542,318
2015 Principal	2,655,000	11,675,000	1,555,000	15,885,000 5,762,315
Interest	1,249,330	3,847,549	665,436	
2016 Principal	2,775,000	12,305,000	1,625,000	16,705,000
Interest	1,118,700	3,221,306	597,668	4,937,674
2017 Principal	2,905,000	12,975,000	1,705,000	17,585,000
Interest	981,615	2,556,835	524,878	4,063,328
2018 Principal	3,040,000	11,120,000	1,790,000	15,950,000
Interest	837,530	1,923,360	76,000	2,836,890
2019 Principal	3,195,000	9,725,000	1,870,000	14,790,000
Interest	686,750	1,373,019	365,218	2,424,987
2020 Principal	3,345,000	10,260,000	1,960,000	15,565,000
Interest	527,000	841,044	282,938	1,650,982
2021 Principal	3,510,000	6,740,000	2,055,000	12,305,000
Interest	359,750	396,955	194,738	951,443
2022 Principal	3,685,000	4,520,000	2,155,000	10,360,000
Interest	184,250	113,000	100,208	397,458
Total Principal Total Interest	48,580,000 28,439,868 \$77,019,868	180,875,000 97,949,752 \$ 278,824,752	29,830,000 15,481,073 \$45,311,073	259,285,000 141,870,693 \$401,155,693

Property Value, New Construction and Bank Deposits

Last Ten Fiscal Years (Unaudited)

	New C	New Commercial	New Residential	idential		Estimated
	Constr	Construction (1)	Constru	Construction (1)	Bank	actual
Fiscal	Number	Value (in thousands)	Number	Value	deposits (2)	Property value (1)
rear (3)	OI UNITS	(m monsanas)		(m mcanama)		
1992	1033	77,116	10,203	54,735	6,154,171	11,145,422
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	006	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					7,858,864	

⁽¹⁾ City of New Orleans (2001 latest year for which information is available).

(3) Information for the year ended December 31, 2002 is unavailable.

⁽²⁾ Summary of Deposits (as of June 30, 2002) - bank branches located in New Orleans, source Federal Depository Insurance Corporation.

Ten Largest Taxpayers

December 31, 2002 * (Unaudited)

Entergy Service BellSouth Telecommunications	Electric and gas utilities	\$72,612	
BellSouth Telecommunications		*. =, - · =	3.89%
	Telephone utilities	61,875	3.32
Banc One	Financial Institution	37,504	2.01
Hibernia National Bank	Financial Institution	30,972	1.66
Whitney National Bank	Financial Institution	26,610	1.42
Harrah's Entertainment	Hospitality and gaming	22,688	1.22
Jazzland	Theme Park	14,811	0.79
AT&T	Telecommunications	14,688	0.79
International River Center	Real Estate	14,241	0.76
Tenet	Managed Care	13,328	0.71

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 December 31, 2001

When it rains, massive drainage pumps like this one go into action at 22 drainage pumping stations throughout the City, staffed by Sewerage and Water Board employees.

The S&WB operates a state-of-the-art Water Quality Laboratory capable of detecting 100,000 compounds. Chemists and technicians are on duty 24 hours a day to ensure that the water produced is of the highest quality.



2002 ACTUAL CAPITAL EXPENDITURES

	WATER DEPARTMENT	
<u>C.P.#</u>	WATERWORKS	
110	Normal Extension & Replacement	\$ 396,576.03
118	Modernization of Steam System	64,748.93
122	Filter Rehabilitation	236,820.61
	Improvement of Chemical System	772,107.34
135 156	Advanced Carrollton Water Treatment	653,404.48
	TOTAL WATERWORKS	\$ 2,123,657.39
	WATER DISTRIBUTION	
214	Normal Extensions and Replacements	\$ 1,648,757.15
215	Rehabilitation - Mains, Hydrants & Services	134,257.35
216	Water System Replacement Program	1,153,030.00
210	Feeder Main Extension, General	65,106.58
239	Mains in Street Department Contracts	 1,575,259.69
	TOTAL WATER DISTRIBUTION	\$ 4,576,410.77
	POWER PROJECTS EMERGENCY AND GENERAL BUDGET	
600	Water Share of Power Projects	\$ 44,808.25
600	Water Share of Fower Projects Water Emergency Reserve	327,584.24
700 8 00	Water Efficiency Reserve Water Share of General Budget Items	 4,316,838.17
6 0 0	TOTAL POWER PROJECTS, EMERGENCY AND GENERAL BUDGET	\$ 4,689,230.66
	TOTAL WATER DEPARTMENT	\$ 11,389,298.82

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

2002 ACTUAL CAPITAL EXPENDITURES

-	SEWERAGE DEPARTMENT	
<u>C.P.#</u>	SEWERAGE SYSTEM	
313	Force Mains	\$ 154,467.49
317	Normal Extensions & Replacement of Gravity Mains	16,023,740.53
318	Rehabilitation Gravity Sewer System	1,337,186.74
326	Extensions & Replacement to Sewer Pumping Stations	520,125.68
339	Main in Streets Dept. Contracts	1,985,977.29
347	Second Raw Sewage Channel, EBSTP	3,466,035.77
348	Normal Extensions & Replacements	5,611,228.95
367	Collection System Eval/Survey Uptown	 2,441,510.36
	TOTAL SEWERAGE SYSTEM	\$ 31,540,272.81
	SEWAGE TREATMENT	
381	Modification & Expansion of WBSTP to MGD	 3,438,576.33
	TOTAL SEWAGE TREATMENT	\$ 3,438,576.33
	POWER PROJECTS AND GENERAL BUDGET	
600	Sewerage Share of Power Projects	\$ 16,238.29
800	Sewerage Share of General Budget Items	3,914,473.66
	TOTAL POWER PROJECTS AND GENERAL BUDGET	\$ 3,930,711.95
	TOTAL SEWERAGE DEPARTMENT	\$ 38,909,561.09

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

2002 ACTUAL CAPITAL EXPENDITURES

DRAINAGE DEPARTMENT

<u>C.P.#</u>	CANALS		
402	Improvements to Vehicular Bridges	\$	25,741.90
403	Normal Extension & Replacements		98,574.22
418	SWB Part DrngTchoupitoulas Paving Project		375,031.68
439	Stormwater Management Plan		70,416.71
463	Louisiana Avenue Canal		474,999.99
466	C.O.E. Drainage Study		2,898,030.74
471			490,087.08
474	Terpsichore Canal		3,309,116.72
476	Hollygrove Canals		3,045,715.47
477	Eng. Design-Claiborne Manifold S. Claiborne - Lowerline to Monticello Street		516,995.13
478			1,441,690.95
486	Napoleon Canal Improvements		1,234,411.01
497	Florida Ave. Canal - Mazant to Peoples		74,225.97
498	Dwyer Canal (St. Charles to Dwyer DPS)		661,780.56
499	Jefferson Avenue Canal		
	TOTAL DRAINAGE CANALS	\$	14,716,818.13
	PUMPING STATIONS		
£11	Normal Extension & Rep./Stations	\$	2,039,030.51
511	Suction Canal DPS # 19		1,959,687.98
520	DPS#4 West-Build A 1000 CFS Station		146,034.63
546	Additions to Drainage Pumping Station #1		1,990,530.23
550	Expansion of Dwyer DPS		2,452,479.19
554	Design Services for Improvement		51,879.52
555	Pritchard DPS		223,894.20
570	Principal Di S		
	TOTAL DRAINAGE PUMPING STATIONS	\$	8,863,536.26
	POWER PROJECTS AND GENERAL BUDGET		
		\$	2,037,006.29
600	Drainage Share of Power Projects	Ψ	1,829,149.79
800	Drainage Share of General Budget Items		1,027,117.77
	TOTAL POWER PROJECTS AND GENERAL BUDGET	\$	3,866,156.08
	TOTAL DRAINAGE DEPARTMENT	\$	27,446,510.47
	TOTAL DIVAINAGE DEL VIVIAIENT	هند	

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

SEWERAGE AND WATER BOARD OF NEW ORLEANS

2002 ACTUAL CAPTIAL EXPENDITURES

	<u>Drainage</u>	1,109.76 \$ 1,387.20		105,846.16 113,649.81	1,770,826.64 1,770,826.64	129,340.14 172,453.50	29,556.36 39,408.45	401.54 401.54	55.00 55.00	327,584.24	2,037,135.60 \$ 2,425,766.38
		∽									~
	Sewerage			5,645.21		8,622.67	1,970.41				16,238.29
CTS											 ∞
POWER PROJECTS	Water	277.44		2,158.44		34,490.69	7,881.68			327,584.24	372,392.49
ᆈ		∽									∽
	POWER PROJECTS	Earhart Blvd. Corridor	Normal Extensions & Replacements	Radio Equipment	Underground Power Feeders	Modification of Steam System	Normal Extensions & Replacements	DPS #19 - Emergency Power	Switchgear and Motor Control - OPS #12	Water Reserve for Emergencies	TOTAL POWER PROJECTS
	C.P.#	109	609		019	613	624	684	969	701	

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

SEWERAGE AND WATER BOARD OF NEW ORLEANS

2002 ACTUAL CAPITAL EXPENDITURES

GENERAL BUDGET ITEMS

				1,000,010,1	IOIAL UENERAL BODOLI IILIMB	
10,060,461.62	69	\$ 1.829.149.79	\$ 3 914 473 66	4 316 838 17	TOTAL GENERAL BUIDGET ITEMS	
216,508.50			216,508.50		Supplemental Enviromental Projects	098
3,950.00		1,185.00	395.00	2,370.00	Plant Maintenance W/O System	859
699,631.88		232,870.31	232,870.09	233,891.48	Minor Equipment Purchases	843
743,534.91			371,767.43	371,767.48	Purchase of Water Meters	
7,403,276.67		1,267,978.79	2,759,710.71	3,375,587.17	Expense Charge to Capital	
1					Department, Yard and Administrative	820
824,005.61		274,668.55	274,668.51	274,668.55	Computer Systems Development	
14,858.00		2,971.60	5,943.20	5,943.20	Major Equipment Purchases	
114,277.92		11,427.80	51,425.04	51,425.08	Central Yard Improvement	
36,862.53		36,862.53			Property Acquisition	
3,555.60	69	1,185.21	\$ 1,185.18	\$ 1,185.21	Office Equipment	
Total		<u>Drainage</u>	Sewerage	Water	General Budget Items	C.P.#

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 2002

	WER	EL OIL	POWER FUEL OIL	\$ AMOUNT	\$61,866	\$1,958	\$3,922	\$1,844	\$2,254	\$22,987	\$8,118	\$1,053	\$1,478	\$14,859	\$104,001
ELIEL OIL LISED	INTERPORTE CAS & LOCA OLE COLORER TO GENERATE ELECTRIC & STEAM POWER	FUE	GALLONS	72,784	2,303	4,614	2,169	2,652	27,043	9,550	1,239	1,739	17,481	122,354	
NATION GAS & FILE OIL LISED	JERATE ELECTR	AL GAS	\$ AMOUNT	\$5,967,060	\$5,793,025	\$5,569,915	\$7,721,145	\$6,463,536	\$6,925,346	\$6,836,117	\$9,646,417	\$8,738,028	\$6,370,341	\$54,922,561	
Z	TO GEN	NATURAL GAS	MCF	1,265,415	1,245,108	1,284,761	1,392,980	1,288,540	1,487,450	1,487,610	1,331,330	1,547,560	1,455,440	10	
	TED BY	&WB	\$ AMOUNT	\$7,309,564	\$7,595,021	\$7,537,164	\$9,540,981	\$8,289,555	\$8,731,839	\$8,860,755	\$11,535,367	\$10,699,776	\$8,175,530	\$69,400,246 10,783,194	
TO 8 CICHOLI	ELECTRIC & STEAM POWER GENERATED BY	GENERATEU THE S&WB	KW-HRS	60,070,029	54,855,609	53,028,000	48,751,200	52,999,200	57,715,200	36,511,704	33,126,311	36,569,748	37,576,656	397,057,253	
ER	POWER		\$ AMOUNT	\$6,765,428	\$6,676,939	\$3,775,458	\$4,397,111	\$4,299,727	\$4,765,576	\$4,576,866	\$5,278,313	\$6,290,661	\$5,057,629	\$40,535,417	
	ELEC I RIC POW PURCHASED		KW-HRS	93,652,501	93,704,141	55,977,302	56,941,034	54,669,463	67,067,145	64,070,706	66,150,146	71,250,220	67,060,158	690,542,816	
	YEAR			1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	TOTAL	

POWER PURCHASED AND PRODUCED NATURAL GAS AND FUEL OIL CONSUMED - 2002

	KW-HOURS	COST
ELECTRIC POWER PURCHASED	67,060,158	\$5,057,628.66
ELECTRIC AND STEAM POWER GENERATED BY THE S.& W.B.*	37,576,656	\$8,175,529.99
TOTAL	104,636,814	\$13,233,158.65

NOTE: *NATURAL GAS CONSUMED IN OPERATION WAS 1,455,440 MCF AT A COST OF \$6,370,341. FUEL OIL CONSUMED WAS 17,481 AT A COST OF \$14,859.

SEWERAGE AND WATER BOARD

OF NEW ORLEANS

GALLONS METERED - PAY WATER CONSUMPTION 2002

Month _	Monthly Consumption
January	1,942,393,400
February	1,655,605,000
March	1,750,548,400
April	1,727,555,500
May	1,776,780,200
June	2,031,071,200
July	1,955,032,800
August	2,153,755,000
September	1,773,405,100
October	1,932,711,100
November	1,764,965,700
December	1,803,461,200
Gross Total	22,267,284,600

SEWERAGE AND WATER BOARD OF NEW ORLEANS MONTHLY WATER CHARGES COLLECTED - 2002

Months	Water Service Charges & Fees	Delinquent Fees	Total
January	\$4,536,611.90	\$65,928.25	\$4,602,540.15
February	4,026,414.24	82,262.19	4,108,676.43
March	4,639,907.26	85,326.76	4,725,234.02
April	4,397,796.74	75,517.44	4,473,314.18
May	4,273,521.61	79,367.67	4,352,889.28
June	4,113,258.37	69,536.98	4,182,795.35
July	4,839,875.71	80,389.61	4,920,265.32
August	4,702,336.36	89,371.42	4,791,707.78
September	4,402,925.78	85,080.72	4,488,006.50
October	5,349,294.46	105,155.26	5,454,449.72
November	4,132,884.25	77,996.23	4,210,880.48
December	4,172,235.46	72,473.90	4,244,709.36
	\$53,587,062.14	\$968,406.43	54,555,468.57

SEWERAGE AND WATER BOARD OF NEW ORLEANS MONTHLY SEWERAGE CHARGES COLLECTED - 2002

Months	Sewerage Service Charges	Delinquent Fees	Total
January	\$4,472,325.22	\$44,072.85	\$4,516,398.07
February	4,157,045.56	54,990.60	4,212,036.16
March	4,585,872.86	57,028.65	4,642,901.51
April	4,428,834.95	50,482.70	4,479,317.65
-	4,440,762.38	53,059.96	4,493,822.34
May	3,994,395.13	46,493.75	4,040,888.88
June July	4,731,683.69	53,747.64	4,785,431.33
August	4,474,776.28	59,732.46	4,534,508.74
September	4,077,444.81	56,874.15	4,134,318.96
October	4,957,569.64	70,278.33	5,027,847.97
November	3,690,784.25	52,138.56	3,742,922.81
December	3,875,445.20	48,445.97	3,923,891.17
	\$51,886,939.97	\$647,345.62	\$52,534,285.59

TABLE I CARROLLTON TURBIDITIES

			River (NTU)			Effli	uent Se	ettling I (NTU)	Reserv	oirs			Filters (NTU)		
	1998	1999	2000	2001	2002	1998	1999	2000	2001	2002	1998	1999	2000	2001	2002
Maximum	253	276	261	294	312	10	18	10	16	9	0.52	0.28	0.28		-
Minimum	7	6	5	5	8	0.7	0.8	1.1	2.0	0.4	0.07	0.07	0.08		
Average	86.4	71	52	91	62	2.2	4.2	3.5	5.0	1.8	0.13	0.12	0.13	0.15	0.16

TABLE II CARROLLTON ALKALINITIES PARTS PER MILLION

			River			Efflu	uent Se	ettling F	Reserv	oirs			Filters		
	1998	1999		2001	2002				2001		1998	1999	2000	2001	2002
Maximum	156	172	159	158	155	130	163	154	150	144	120	140	129	125	141
Minimum	80	84	82	78	79	58	72	65	70	61	64	65	61	55	55
Average	116	132	120			91	122	111	109	86	91	103	93	91	85

TABLE II A CARROLLTON HARDNESS PARTS PER MILLION

													_							
			NO	N-CAF	RONA	TE H	RONE	SS						TO	TAL HA	ARDNE	ESS			
					10011	17 - 17/		ILTER	S				RIVER	₹ .				Filters		
H			RIVER		0000	4000		2000		2002	1998				2002	1998	1999	2000	2001	2002
	1998	1999	2000	2001	2002	1998	1999	2000				221	203		187	173	194	184	173	190
Maximum	68	70	72	59	66	73	83	79	75		200				108	101	112	115	107	105
Minimum	16	15	21	15	. 11	24	35	37	31	24	111	118	118				457	149	142	
Average	37	44	43	38	34	49	55	56	51	48	153	175	164	155	144	135	15/	149	142	1 133

TABLE III
CARROLLTON BACTERIAL CHARACTERISTICS
Total Coliform Analysis

2002	River	Plant Tap	Distribution System
Maximum (Colonies / 100 ml)	13,600	0	6
Minimum (Colonies / 100 ml)	200	0	0
Average (colonies / 100 ml)	1,400	0	0
Number of Samples	356	358	2,248
Number of Samples Negative	0	358	2,241
Number of Samples Positive	356	. 0	7*

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

TABLE IV-A

PRINCIPLE RESULTS OF OPERATION OF THE G3 CONVENTIONAL UNIT AT THE CARROLLTON WATER PURIFICATION PLANT FOR THE YEAR ENDING: December 31, 2002

2.9 2.9 2.9 NTU Turbidity of Unit Effluent 6.8 8 PPM Alkalinity of River Water I 132 134 134 103 96 96 48 84 20 84 62 Turbidity of River Water 38 12 SEN SEN 13 00.00 Lime Parts Per Million 0 Total Pounds of Lime During Month 5.16 0.00 4.30 Pure Iron (Fe) Parts Per Million 10 502,994 86,839 70,544 41,206 86,839 75,412 77,805 Total
Pounds of
Pure Iron
(Fe) used
During 63,798 78,204 79,730 3.84 5.21 2.18 3.82 2.79 3.57 3.63 3.03 Polymer in Plant Parts Per Million 448,286 77,551 62,726 0 57,179 68,803 77,551 Total
Pounds of
Polymer
used in
Plant 71,933 69,181 67,021 36,61 0.088 0.098 0.090 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.00 Polymer at Intake Parts Per Million 1.67 0.97 1.47 1.03 9 113,250 14,276 15,788 5,449 27,596 16,456 17,132 16,112 14,717 Total pounds of Polymer used at Intake 65.50 66.55 66.55 66.55 66.71 70.40 66.71 66.58 65.37 70.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 81.50 0.00 69.28 75.00 62.50 68.54 75.13 63.38 80.92 66.71 73.21 Gallons Per Amount of 24 Hours Water Treated Million 2,143.41 0.00 1,905.43 13,701.99 1,111.23 0.00 0.00 Total Million Gallons of Water Treated During 2,129.89 9.0 800 2,027.64 2,101.38 1,919.04 2,143.4 2,269. Max. Avg. Max. Min. Avg Min. Max. Min. Avg. Max. Avg. Avg. Min. Avg. Min. Š Avg Σ Ņ December Septembe November Month February General October January August March Stal June July April May

TABLE IV-B

PRINCIPLE RESULTS OF OPERATION OF THE G4 CONVENTIONAL UNIT AT THE CARROLLTON WATER PURIFICATION PLANT FOR THE YEAR ENDING:

December 31, 2002

15	NTU Turbidity of Unit Effluent																			10.0	1.8	3.6	9.9	2.0	4.0	7.3	2.3	3.8	8.8	2.8	5.2	11.6	2.6	5.4	14.9	3.5	7.9		14.9	1.8	5.1
14		155	82	106	119	79	94	128	91	112	105	81	91	114	94	101		94				132		124	134					91		,	96	106	,	84	110		155		111
13		260	29	77	312	65	134	213	32	84	140	33	73	160	35	84	138	34	63	133								12						57	2	30			312		62
12		00'0	00.0	00'0	00.00	00.0	00.0			00.00			00.00	00.0		00.0	0.00	0.00		0.00		0.00	00'0		00.0	00.00		00.0	00'0	00.0	00.0	00.0	0.00	00.0	00.0	0.00	00.0		0.00		0.00
41	Total Pounds of Lime During Month		0			0			0			0			0			0			0			0	TE.		0	16			10	2		1=			ਗ				
10	Pure Iron (Fe) Parls Per Million	00.00	0.00	00'0	00.00		00.0			00.0			00.00	00.00	00.0	00.0	00.0		00.0	4.55			1.74		1.67	1.82		1.66	3.41	2.12		4.02	2.67		4.84		4.00			00.0	
6	Total Pounds of Pure Iron (Fe) used During Month		0			0			0			0			0			0			22,895			28.710			25,197			33,629			58.569			72.412		241 412	L	Ì	43,70
8	Polymer in Plant Parts Per Million	0.00	0.00	00.00	00.0	00.0	00.0	00.00	00.00	00.00	00.00	0.00	00.0	0.00	00.00	00.0	00.0	00.0	0.00	4.02		2.59	1.54			1.60	1.39		2.73			3.57			4 32		3.57		4 32		
7	Total Pounds of Polymer used in Plant		0			0			0			0			0			0			20.442	•		25.311			22.250			29,492			52 952			64 521		214 069	1		38,90
9	Polymer at Intake Parts Per Million	00.0	00.0	0.00	00.0	0.00	0.00	00'0	0.00	00.0	00.0	00.0	00.0	0.00	000	000	00.0	000	000	112			1 14		0.55	1 09		0.53	0 68			0.63			060		0.89		1 14		
5	Total pounds of Polymer used at Intake		6	<u> </u>		0			6			0			0			C			7.341			12 750			7 995			8 479			R 774			13 400		69 749			10,28
4	Amount of Water Treated Million Galtons Per 24 Hours	00 0	000	00 0	0.00	0.00	0.00	00.0	0.00	000	0.00	000	0.00	000	000	00.0	000	000	000	01 00	63.42	77.22	76.42	50.75	66.75	71.71	57.62	50.73	68 88			71 58			05.67		86 17		75.57		67.51
3	Total Million Gallons of Water Treated During		200			0.00			00.0			00.0			000	3		2	3.		1 019 44			2 054 52	4,007.06		1 816 00	2		1 803 46			1 880 75	07.000.1		2 200 20	67.607,2	20 202 07	10,783.47	00.00	1,952.81
2		Max	Min.	Ave	Max	Min	Avg	Max	Ψ	Avo	Max	Min	Ava	Max	Min		Max	Max.	Z 2	200	Min	A.S.	Jan.	MdX	A.G.	70.7	Max	A see	70.7	Mis.	A STORY	Avg.	MdX.	MIn.	, i	Max.	MIT	Avg.		Max.	Avg.
-	Month		2000	January		February	coluen)		March			Anril	5.		74	Mdy		1	anne		4.	, and			August		South Post	enuladac		October	Octobel		1	November			December		Total	0,000	Cereral

TABLE IV-C

PRINCIPLE RESULTS OF OPERATION OF THE L3 CONVENTIONAL UNIT AT THE CARROLLTON WATER PURIFICATION PLANT FOR THE YEAR ENDING:
December 31, 2002

15	NTU Turbidity of Unit Effluent	34.4	3.9	16.7	25.6	6.0	13.7	26.0	7.9	15.1	16.7	3.9	10.1	11.2	2.5	5.5	13.2	1.2	3.7	11.7	0.8	2.7	9.8	1.1	3.0	12.1	1.1	3.1	8.2	1.8	4.5	18.3	2.4	8.5	49.5	2.2	13.6		49.5	0.8	8.3
14		155	82	106	119	79	94	128	91	112	105	81	91	114	94	101	119	94	107	146	113	132	151	124	134	141	110	132	141	91	103	114	96	106	120	84	110		155	79	111
13		260	29	11	312	65	134	213	32	84	140	33	2	160	35	84	138	8	63	133	6	38	47	8	15	23	80	12	99	17	41	100	33	25	280	30	72		312	8	62
12		165.85	94.30	125.43	162.42	81.17	109.64	146.27	103.88	125.83	150.67	91.68	111./3	158.26	104.65	126.06	166.39	101.05	129.04	177.30	91.54	132.21	175.12	112.74	132.10	144.42	99.91	123.30	144.93	64.31	107.91	162.24	90.23	122.86	167.76	86.51	121.32			64.31	
11	Total Pounds of Lime During Month		1,318,957			1,013,239			1,291,523			1,136,850			1,300,834			1,297,634			1,480,217			1,412,211			1,299,250		-	1,137,423			1,149,458			1,008,570		14,846,166	1,480,217	1,008,570	1,237,181
10	Pure Iron (Fe) Parts Per Million	10.22	4.89	9.78	10.14	6.02	8.21	6.51	5.84	6.31	6.44	5.96	6.27	6.65	5.08	6.14	6.70	5.31	6.16	6.46	2.38	5.36	2.58	2.27	2.47	2.59	2.19	2.47	7.54	2.06	4.25	8.24	5.76	7.40	7.74	4.98	7.05		10.22	2.06	5.73
6	Total Pounds of Pure Iron (Fe) used During		103,159			75,917			64,835			63,790		-1	63,587			62,756			61,099			26,793			26,213			45,488			70,142			58,804		722,582	103,159	26,213	60,215
8	Polymer in Plant Parts Per Million	0.00	00.00	0.00	00.00	0.00	0.00	0.00	00.00	0.00	0.00	00.00	0.00	0.00	0.00	00.00	00.00	00.00	00.00	00.0	00.0	00.0	00.00	00.00	00.00	00.00	00.00	0.00	00.0	0.00	00.00	00.0	00.0	00'0	00.0	00.00	00.0		00.0	00.00	00.00
7	Total Pounds of Polymer used in Plant		6			0			6			5			6			0			-			~			0			0			0			0		0	0	0	0
9	Połymer at Intake Parts Per Million	1.68	1.00	1.50	1,10	0.70	1.02	1.50	0.70	0.95	1.02	0.80	0.91	1.10	00.00	0.82	1.18	19.0	06.0	1.03	0.00	99.0	1.26	0.41	0.68	0.57	0.33	0.43	0.64	00.0	0.45	0.71	0.44	0.54	2.01	0.42	0.97		2.01	00.00	0.81
5	Total pounds of Polymer used at Intake		15,793			9,424			908'6			9,221			8,424			9,032			7,321			7,298			4,477			4,854			5,016			7.665		98,331	15,793	4	8,194
4	Amount of Water Treated Million Gallons Per 24 Hours	20 00	37.96	40.98	40.00	37.71	39.60	42.50	35.83	39.76	45.54	35.92	40.63	48.21	33.38	41.27	51.00	31.29	40.75	51.00	36.83	44.83	51.00	29.75	43.34	50.38	35.04	42.41	50.55	35.13	42.76	45.22			46.75	22.58	33.32		51.00	22.58	
3	Total Million Gallons of Water Treated During		1.270.31			1,108.87			1,232.46			1,218.97			1,234.60	-		1,222.63			1,338.78			1,300.18			1,272.17			1,282.77			1,138,18			29 666		14,619.57	1,338.78	79 666	1,218.30
2		Max	Min	Ava	Max	Min	Avg.	Max.	Min.	Avg.	Max.	Min.	Avg.	Max.	Min	Ava.	Max.	Min.	Avg.	Max	Min	Ava.	Max	Min	Avg.	Max.	Min.	Avg.	Max.	Min.	Ava	Max	Ν	Ava	Max	Min	Ava		Max.	Min	Avg.
-	Month		Varion	f ::		February	(in inc.)		March	-		April			May	•		June	}		July	•		August	•		September			October			November			December		Total		General	

TABLE IV-D

PRINCIPLE RESULTS OF OPERATION OF THE L4 CONVENTIONAL UNIT AT THE CARROLLTON WATER PURIFICATION PLANT FOR THE YEAR ENDING:
December 31, 2002

15	NTU by of Turbidity of ater Unit Effluen	Afer Unit Effluen	155 82 106	119 79 94	91	105 81 91	101	94	113	124	110	103	96 106 120	110	155	
14	PPM of Alkalinity of iter River Water		260 29 77	312 65 134	213 32 84	33 73 73 73 73 73 73 73 73 73 73 73 73 7	35 84	138 63 63	38	15	12 B 66 66 66 66 66 66 66 66 66 66 66 66 6	41	33 57 580	30	312	-
13	NTU Turbidit River W	River W				0000				00.00	00.00	888	00.00	0000	0.00	550
12	Lime P Per Mi	Per Millio	0	0.00	0.0	000	0	0 0 0	0 0	0 0 0	0	0 0	0		0	
11	Total Pounds of Lime During Month	Lime During Month					21010			ololo	01010				Q	<u> </u>
10	Pur (Fe) Per		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0000	0000	0.00	00.00	0.00	0.00	2
6	Pour Pur (Fe)										pipipi	اواواو			0	5
8	Polymer in Plant Parts Per Million	Plant Parts Per Million	00.0					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	200
7	Total Pounds of Polymer used in Plant		0	0	0	0	0									
g	Polymer at Intake Parts Per Million	Intake Parts Per Million	000					0.00			0000	0.00	00.0	0.00	0.00	
4	Total pounds of Polymer used at Intake	Polymer used at intake	0	0	0	0	0	0	0	0						
T P	Amount of Water Treated Million Gallons Per 24 Hours	Million Gallons Per 24 Hours	0.00		0.00					0.00				0.00	00.0	
-	Total Million Gallons of Water Treated During	Treated During Month	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	00:0	0.00	0.00	
,	4		Max.	Max. Min. Avg.	Max. Avg.	Max. Min. Avg.	Max. Min. Avg.	Max. Avg.	Max. Avg.	Max. Avg.	1	Max. Avg.	Max. Min. Avg.	Max. Min. Avg.	Max.	
-	Month	Month	nuary	bruary	arch	prii	ay	94	Ąr	ugust	eptember	ctober	очетрег	ecember	otal	

TABLE IV-E

MONTHLY SUMMARY OF COMBINED OPERATION OF CONVENTIONAL UNITS AT THE CARROLLTON WATER PURIFICATION PLANT FOR THE YEAR ENDING:

December 31, 2002

П	Lift	M.G.D.	142.30	118.63	127.50	133.46	121.24	131.46	122.71	128.08	110.92	119.40	110.63	121.04	139.29	126 15	139.21	125.50	132.41	135.08	130.11	135.08	111.67	126.33	112.46	20.30	121.88	115.91	123.42	101.17	70	142 30	101.17	121.09
18	Estimated High Lift Pumpage	Total M.		3,952.38		300 60	Щ	3 803 88	L		3,582.01		3.641.54	Ц		2, 04.30	-	3,978.33		3,903.38	Ц	\perp	3,695.00	Ш	3,628.83	1	3,477.38		丄	3,354.67	44 106 G	3 078 33	\perp	Ш
									85		3,58	5 0		1			9 9				ı	122			<u>8</u>	77		8		हा इ		141	+-	
17	Alkalinity of Filtered Water	Parts Milli	-				74						99				136																	
16	Polyphos phate Parts Per	Million	0.55	0.52	0.53	0.55	0.53	0.54	0.53	0.55	0.50	0.53	0.30	0.53	0.54	0.51	0.56		0.53	0.55				0.56	0.52	0.55	0.56			0.53		23.0		Ш
15	Total Pounds of Polyphos phate	Used During Month		15,641		12 400	5,403	14 842			14,337		14 669			14,901		14,959		14,959			13,803		13,981		13.537			14,412	27, 02,	173,450	13 409	Ш
14	8 6 7	Million	1.28	1.19	1.21	1.21	1.15	1.12	1.10	1.11	1.07	2 :	4.6	111	1.21	1 09	1 48	1.18	1.26	1.43	1.40	1.42	1.38	1.43	1.37	1.40	1.42	1.39	1.33	1.09	1.23	,	101	1.24
13	Total Pounds of A Anhydrous Ammonia	During Month		35,488		-1	400,62	30.787	<u></u>		59,689	1	30.567			32,036		35,241		39.046	1	_	35,900		35,893		34 745	:		32,608	000,00	401,002	39,045	33,417
12	Chlorine A		6.15	5.88	9.00	6.04	5.73	5.57	5.48	5.54	5.23	5.47	20.00	5.45	6.05	5.44	7 16	5.90	6.26	7.11	66.9	7.10	6.79	7.15	6.88	7.00	7.08	6.92	6.63	5.47	6.15	0,1	7.76	
11	<u> </u>	During Month		176,597			44,013	162 603	2		148,143		15,1 5,79	2		159,251		175,110		195 319	2		179,373		179,444		173 577			163,077		1,999,576	195,319	166,631
10	* D	Month		1,318,957			1,013,239	1 204 623	636,163,1		1,136,850		1 300 R34	100,000,1		1,297,634		1,480,217		1 412 211	1		1,299,250		1,137,423		1 149 458	201		1,008,570		14,846,166	1,480,217	1,237,181
6	~	During Month		182,889			39,715	070	45,04		139,202		141 302	760'1+		149,595		125,199		55.503	20,		51,410		79,117		128 711			131,216		1,466,988	182,889	122,249
80	Fluoride F Parts	Million	1.02	0.71	0.81	1.38	0.91	1.01	0 89	98.0	0.73	0.80	0.88	0.80	0.83	0.69	0.0	0.70	0.77	0.86		0.78	0.66	0.76	Ш	0.70	0.76		0.75	Ш	0.70		1.38	Ш
7	Total Pounds of Fluoride (100%)	used During Month		26,648			23,312	100	176,62		23,748		04.730	74,230		24,594		25,697		25 B1B	27,010		21,754		21,191		20.205			19,693			26,648	- 1 - 1
9	Total Pounds of Polymer			71,933			57,179	3	60.		67,021		60 000	200,000		77,551		57,060		25 344	116,62		22,250		29,492		62 052			64,521		663,255		55,271
5	Total pounds of Polymer			43,389		-	25,880		956,07		25,333			73,141		24,820		20,111		20.048			12.472		13,333		72 700			21,074				22,527
4	 	Gallons Per 24 Hours	128.67	106.71	113.76	115.00	102.50	115.13	102.08	115.00	102.50	108.22	123.13	110.82	123.04	95.63	111.77	103.96	L	125.96	ľ	115.58	Ш	112 29	L	102.47		100 21	127.58	Ш	106.73	Ц		87.00
3	Total Million Gallons of Water	Treated During Month		3,526.60			3,023.21		3,362.34		3,246.61		90.00	3,335.98		3,353.01		3,363.08		2 240 75	0,049.70		3,078.58		3,074.13		1 300 0	3,000		3,202.04		38,921.50	3,526.60	3,006.17
2			Max	Min.	Ava	Мах.	Min	wew.	Min.	X X	Δin	Avg.	Max.	Min.	Max	Min.	Avg.	Min	Avg	Wax	Min.	Max	Min	May	Min.	Ava	χěΜ	Min	Max	Min	Avg		Max	Avg
-	Month			January			February		March		April			May		June		Į.	6		August		September		October			November		December		Total		General

TABLE V

PRINCIPLE RESULTS OF OPERATION OF THE ALGIERS WATER PURIFICATION PLANT FOR THE YEAR ENDING: December 31, 2002

					-		_					-		- 12		_		<u> </u>	E T	~ .	=	_	2 6	10	-	60 l	9 1	- 6	12	6	10 1	-	. .	2 60
	eBedun	M.G.D.	10.86	9.02	06.6	8.30	9.79	8.77	9 23	2.0	06.6	12.83	9.81		1.90 2.65	10.83	12.55	8.10	10.47	11.70	10.61	Γ.	8.82	11 20		10.48	_	4.0	10.47	7.83	9.6			10.08
21	High Lift Pumpage	Total M.G.D.		303.86		257.74	1	285.99		297 13			346.39		325 02			324.60			328.90		308.27		323.27			261.35		299.27		1		306.82
50	PPM Clear Well Alkainity of Fitter Effluent		102	8 4	102	78	116	78	8 6	, G	9 5	92	2 3	5	3 46			46		5 5	79							8 5		83			116	85
19	NTU Turbidity of Clarifer Effluent		2.0	1.2	1.1	0.5	13	0 9	1.0	7 6	90	1.8	0.5	-	- 0	8.0	9.6	8.0	33	4.7	2.4	5.0	2.3	67	1.8	2.9	4.0	1.8	5.0	1.0	1.9		9.6	2.2
18	Calgon Polyphos- phate Parts Per		0.80	0.33	09.0	0.34	0.89	80	9.0	8 %	0.43	1.1	4 (0.5/	21.1	0.65	0.00	0.53	0.67	0.92	0.00	0.94	0.56	96	0.46	0.66	0.75	0.30	0.94	0.29	0.46		1.13	0.29
17		During		1,420		993		1,358	1	040	}		1,610		1600			1,750			2		400		1,600			628		1,141		16,187	1,750	1,349
16	Chlorine Parts Per Million		6.65	5.88	6.31	4.80	6.38	4.80	80.0		6.08	69.9	5.72	1 20	0.7	6.52	8.93	6.24	7.42	9.17	7.36	9.48	6.60	9.35	9.90	7.39	8.63	4 08	7.07	4.17	6.29		9.48	
15	Total Pounds Chlorine Used During	Month		15,038		12,239		13,555	Ì	14 745	:		17,368		16 855	}		19,579		,	20.00		18,300		18,194			16,/61		15,912		196,706	19,579	12,239
14	Total Pounds of Anhydrous Ammonia Parts Per	Million	1.29	1.06	1.14	0.00	1.16	0.90	10.	5 5	1.0	1.22	1.02	1.12	5.5	1.19	1.55	1.02	1.25	1.81	1.19	1.81	0.91	122	1.09	1.26	1.44	1.02	1.17	0.91	1.05		1.81	0.85
13	- 0 -	Month		2,721		2,184		2,453		2,656	3		3,138		3.067	}		3,301			3,261		3,387		3,028			2,764		2,659		34,619	3,387	2,184
12	Lime Parts		47.40	31.72	35.60	14.99	30.75	20.14	26.10	1 20.00	24.17	40.00	31.57	36.64	28.99	44.34	87.88	34.94	63.04	163.90	24.82	69.95	45.04	55 11	29.91	40.48	38.94	24.93	40.49	20.15	33.46		163.90	39.20
11	Total Pounds of Lime Used During Month			696'08		50,442		63,343		61 841	5		103,153		114 50B	3		166,857			148,882		126,300		98,503			70,703		84,205		1,169,706	166,857	50,442
10	Pure Iron Tr (Fe) Parts Per Million		8.41	6.46	8.38	5.60	7.91	6.25	7.12	60.0	7.17	6.92	4.93	6.40	8.02	6.63	7.84	5.88	6.84	10.48	7.43	8.52	4.75	0.09	20.5	7.32	8.60	5.98	8.33	5.39	6.81			6.88
6	Total Pounds of Pure Iron (Fe) used During	Month		15,949		15,603		17,307		17 354	<u> </u>		17,975		17 040	5		17,974			18,181		16,142		17,759			16,947		16,999		2		15,603
8	Fluroide Parts Per Million		1.11	0 73	1.05	0.61	0.81	0.55	0.67	0 /3	0.62	0.71	0.51	9	16.0	0.00	0.88	0.48	0.66	06 0	0.54	0.83	0.50	0.03	0.4	0.64	0.71	0.47	0.82	0.46	0.59			0.41
7		Month		2,056	Ī	1,804		1,627		1 407	-		1,686		1 721			1,729			1,795		1,610		1,545			1,422		1,467		19,959		1,422
9	Polyelec- trolyte Parts Per Million		3.89	3,13	3.89	3.68	3.96	3.76	3.80	3.82	3.79	3.85	3.79	3.81	3.85	3.75	4.36	3.79	3.99	5.15	4.35		•	10.4		_		4.52	673		4.65			3.13
5	Total Pounds of Polyelectrolyte Used	Month		9,471		8,252		9,265		0 220	677'6		10,752		0 741	ń		10,503			11,398		11,214		11,156			11,009		11,616	•	123,606	L	8,252
4	Amount of Water Treated Million Gallons	Hours	12.26	95.00	12.00	8.00	1.00	80	9.44	8 8	9.72	14.00	10.00	10.62	13.58	10.38	11.66		10.20		99.0	12.00		9.40			11.50	8.00	12.80		9.80			99.9
3	Low Lift Tolal Million Gallons of Water Treated	2		308.44		261.32		292.53		200 62	797.07		329.20		344.36	200		316.23			296.90		283.56		293.42			288.04		303.82		3,577.44	329.20	261.32
2			Max.	Min	Max	Min	A 46	Ξ	Avg.	×ex	Y Z	χãχ	Z.	Avg	Max.	A 4	Max	Ē.	Avg	Μãχ	Min.	×έ	Ē	δ.	§ S	Ava	Max.	<u>.</u>	Š	Ş	Ava		Max.	Min.
-	Month			annary		February		March		-	April		May			ane		July			August		September		October			November		Оесешрег		Total		General

TABLE VI-A

MONTHLY SUMMARY OF NEW ORLEANS FILTER OPERATIONS FOR THE YEAR ENDING: December 31, 2002

1	,	7		V	-	4		9		7		۳		6		Ç	- -	-	_
	7				<u></u>	7		Million College of	Bone of			Total Amount in	i jung	Million Gallone of	lone of	2		Million Gallone	allone
		Total Million Gallons Water	allons Water	Total Number of	imber of	Length of	igth of Runs in	Water Filtered Per	ered Per	Million Gallons Per	ons Per	Million Gallons of	allons of	Wash Water Used		Percentage of wash	_	Filtered Per Acre Per	r Acre Per
Month		Filtered During Month	mg Month	ž	Kuns	Hours	2	Run		Day Per Filler		Wash Water Used	ler Used	Per Run		valei Oscu	5	Day	1,
		PIO	New	PIO	New	РЮ	New	piO	New	PIO	New	PRO	New	PIO	New	PIO	New	용	New
	Max.	4 000	300 100 6	377	G	197	189	21.000	49.974	2 262	3 808	52 102	24 600	0.357	0.650	7.79	13.00	68 855	64 685
January	Min.	1,926.333	2,024.303	0		. 6	152	13.196	24.686	7	2	1	3		3	2.70	2.63		
	Max.					244	335	26.250	52.446						,	3.83	8.40		
February	Σ Li	1,764.152	1,678.504	122	88	101	45	8.545	7.738	2.280	4.421	40.264	44.200	0.327	0.650	1.25	1.20	69.403	73.362
	Avg					151	13	14.343	24.684	1						2.28	2.60		
	Max.					185	193	21.834	44.649					0	- 0	3.13	9.10	74 760	177.004
March	Ä.	1,862.668	1,874.052	124	72	89 7	43	8.500	7.112	2.341	4.662	41.024	98.000	0.266	0.649	1.22	2.49	097.17	g.
	Avg:					2,0	184	220.01	36,405							10.51	4 79		
	Max.	1 700 705	1 803 238	121	89	2 8	3 2	3 167	13.496	2 160	4.913	40.267	44 000	0.333	0.647	141	1.77	65.750	81.526
	MID.	20.50	003.000,	3		157	13.5	14.130	27.842		!					2.36	2.32		
	Max					<u>\$</u>	216	23.625	42.681							8.89	8.98		
May	Σ	1,774,457	1,948.468	125	2	46	43	3.834	7.517	2.228	4.745	42.675	43.200	0.341	0.675	1.44	1.58	67.820	78.739
	Ava					153	154	14.196	30.445							2.40	2.22		
	Max.					232	241	29.000	45.463							99.6	17.29		
June	Min.	1,798.677	2,234.710	123	78	32	21	3.583	3.938	2.193	4.494	42.532	53.100	0.346	0.681	1.93	1.50	66.755	74.575
	Avg.					160	153	14.623	28.650							2.37	2.38		
	Max.		-			192	236	23.500	26.960							5.38	11.92	-	
July	Σ. Έ	1,854.101	2,179.779	126	74	79	2	6.583	5.805	2.293	4.842	44.642	22.600	0.354	0.692	1.51	1.21	66/66	80.348
	Avg.					154	146	14.715	29.456	1						2.41	2.35		
	Max.	1 001 001	7 107 553	104	77	202	231	21.125	55.580	2 260	4 762	44 599	53 380	0.360	0 702	9.19	1.26	68.794	79.021
August	Min.	1,021,331	Z, 101.303	5 7		156	149	14.693	29.562	3						2.45	2.37		
	Max					216	237	23.425	56.537							5.93	6.22		
September	E	1,647.990	2,032.530	122	72	92	88		11.337	2.147	4.517	43.140	23.660	0.354	0.706	1.51	1.25	65.355	74.955
	Avg.					151										797	2.50		
	Max.	4 673 880	277 070 5	077	ā	214		23.875	44.392	2 046	4 448	43 67B	59 400	0.367	0.691	7.70	21.40	62 280	73 810
	<u> </u>	1,013.003	2,010.170	=		165	147	14.066	27.247	2	2) } }				2.61	2.54		
	Max.					192	20	23.042	_				L				22.93		
November	Mi.	1,593.562	1,854.668	121	89	115	9	6.050	2.900	2.066	4.169	40.928	47.900	0.338	0.665	1.47	7.47	62.889	69.180
	S A					3		27 276								7 B 7	VC C		
December	Max.	1 523 289	1 R64 R49	100	62	82	128	7.750		2.058	4.127	40.680	44.560	0.373	0.675		1.63	62.645	68.483
	A V					163						1				2.66			_
Total		20.951.034	23,843.522	1,482	828	5,213	5,024	6	1,0	26.334	53.998	516.531	598.600			_		_	
	Max.	1,926.553	1			247		1		2.341	4.913					_	22.93		
General	Min	1,523.289	1,678.504		62	32				2.046	3.898					1.22	1.20	62.280	
	Avg.	1,745.920		124		155	149	14.136	27.907	2.195	4.500	43.044	49.883	0.343	0.674		2.42	999	74.670

TABLE VI-B

MONTHLY SUMMARY OF ALGIERS FILTER OPERATIONS FOR THE YEAR ENDING: December 31, 2002

	,	2	V	5	9	7	8	6	10
Month	v	Total Million Gallons Water Filtered During	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 Percentage of Wash Water Used wash Water Used Per Run	Percentage of wash Water Used Per Run
January	Max. Min.	280.400	48	213	9,692 3,150 5,841	0.75	9.050	0.188	5.98 1.94 3.23
February	Max. Min. Avq.	261.259	48			0.78	9.290	0.194	9.38 2.13 3.56
March	Max. Min. Avq.	279.301	51	171 163 167		0.75	9.440	0.185	
April	Max. Avg.	303.453	54		·	0.84	9.850	0.182	
Мау	Max. Min. Avg.	336.989	54			0.91	10.000	0.185	
June	Max. Min. Avg.	292.166	48			0.81	8.090	0.168	
July	Max. Min. Avg.	337.106	29			0.91	10.610	0.186	
August	Max. Min. Avg.	285.084	51			0.77	9.030	0.177	
September	Max. Min.	279.966	51			0.78	8.590	0.168	
October	Max. Min. Avg.	300.667	55			0.81	10.270	0.186	
November	Max. Min. Avg.	279.131	50			0.78	9.260	0.185	2.57
December	Max. Min. Avg	306.841	54	190	7,167 3,730 7, 5,682		-		
Total		3,542.36	9		-			2.183	
General	Max. Min.	337.106 261.259				0.75	-		1.66
	Avg.	295.197	.1 52	2] 167	1/s01		9.430		

TABLE VII FIVE YEAR ANALYSIS COMPOSITE DATA (1998-2002) FOR NEW ORLEANS DRINKING WATER PURIFICATION SYSTEM

	MIS	SSISSIPPI RIV	ER		VISHED WATER	
PARAMETER		efore Purification			fter Purification	AVG
	MAX	MIN	AVG	MAX 136	MIN 60	92
Total Alkalininty (ppm as CaCO3)	172	78	119	192	107	145
Total Hardness (ppm as CaCO3)	221	103	158	90	26	53
Noncarbonate Hardness (ppm as CaCO3)	72	11	39	138	73	107
Calcium Hardness (ppm as CaCO3)	153	71	108	90	11	38
Magnesium Hardness (ppm as CaCO3)	98	8	49	0.49	0.07	0.15
Nephelometric Turbidity (N.T.U.)	312	5	72	0.49		0.13
Jackson Turbidity (J.T.U.)	410	25	109	9.81	7.96	8.91
рН	8.59	7.01	7.94 34	54	21	34
Chloride (ppm)	59	16	0.25	1.35	0.26	0.97
Fluoride (ppm)	0.48	0.11		351	96	229
Total Dissolved Solids (ppm)	401	95	243 123			
Total Suspended Solids (ppm)	312	39	123	0.75	0.00	0.13
Free Chlorine Residual (ppm as CL2)				4.64	0.12	3.11
Total Chlorine Residual (ppm as CL2)				1.20	0.02	0.19
Ammonia (ppm as N)	0.46	0.08	0.26	0.39	0.06	0.23
Ortho Phosphate (ppm as PO4)	0.46	0.00	0.36	0.62	0.24	0.40
Total Phosphate (ppm as PO4)	50.2	26.5	37.1	49.8	27.1	36.8
Sulfate (ppm as SO4)	8.2	2.6	5.7	5.6	4.1	4.8
Silica (ppm as SiO2)	3.76	0.29	1.52	3.09	0.30	1.49
Nitrate (ppm as N)	0.21	0.00	0.03	0.91	0.00	0.05
Nitrite (ppm as N)	25	10	18	20	5	12
Color (Scale Units)	573	179	355	537	194	347
Conductivity (umhos/cm) Temperature (Deg. F.)	89	36	66	92	50	73
Aluminum (ppb)	182	0	24	63	0	6
Antimony (ppb)	1.2	0.0	0.2	0.4	0.0	0.1
Arsenic (ppb)	5.1	0.0	1.4	4.8	0.0	0.7
Barium (ppb)	201	7	53	126	7	39
Beryllium (ppb)	0.0	0.0	0.0	0.1	0.0	0.0
Cadmium (ppb)	5.4	0.0	0.0	0.7	0.0	0.0
Chromium (ppb)	11	0.0	0.7	8.0	0.0	0.8
Copper (ppb)	29	0.0	3.1	198	0.0	13.7
Iron (ppb)	216	0.0	22.4	100	0.0	13.7
Lead (ppb)	1.5	0.0	0.1	2.8	0.0	0.2
Manganese (ppb)	21	0.0	1.8	15.0	0	2.5
Mercury (ppb)	0.1	0.0	0.0	0.6	0.0	0.0
Nickel (ppb)	6.6		3.1	10	0.0	2.4
Selenium (ppb)	3.3				0.0	0.7
Silver (ppb)	0.4		0.0		0.0	4.4
Zinc (ppb)	46		3.1	162	0.0	3.8
Potassium (ppm)	13.4		4.0		1.2 9.1	25.8
Sodium (ppm)	55.5		27.9			0.0
Thallium (ppb)	0.1	0.0	0.0		0.0 6.0	21.0
Total Trihalomethanes (ppb)	0.3		0.0		1.6	3.0
Total Organic Carbon (ppm)	8.3		4.7	2.4	0.0	0.0
1, 2-Dichlorethane (ppb)	38.0		0.1		5.7	14.6
Chloroform (ppb)	0.2		0.0		0.0	0.0
Carbon Tetrachloride (ppb)	0.1		0.0	ļ	0.0	5.1
Bromodichloromethane (ppb)	0.1		0.0		0.0	0.0
Tetrachloroethene (ppb)	1.1		0.0		0.0	0.0
BTX (Benzene, Tolunene & Xylenes) (ppb)	11.4		0.0	(0
Total Coliforms (colonies/100 ml)	13600		1189 4880			3
Heterotrophic Plate Count (CFU's/ 1.0ml)	34000					0
Fecal coliforms (colonies/100 ml)	1630	1 0	139		L	

TABLE VIII

CARROLLTON OPERATION

CHEMICAL	CHEMICAL COST	CHEMICAL COST PER MILLION GALLONS
Lime	\$530,156.59	\$13.62
Ferric Coagulant	\$516,233.19	\$13.26
Chlorine	\$352,925.22	\$9.07
Sodium Polyphosphate	\$34,516.50	\$0.89
Polyelectrolyte	\$149,373.44	\$3.84
Fluoride (100%)	\$79,751.77	\$2.05
Ammonia	\$60,070.13	\$1.54
Carbon	\$0.00	
TOTAL CHEMICALS	\$1,723,026.83	\$44.27

Purification Plant Operating Cost:

\$4,793,704.00

Total Water TREATED 2002:

38,921,502,762 Gallons

TOTAL COST PER MILLION GALLONS

TOTAL WATER TREATED	ODEDATING COST	COST PER
1	OPERATING COST	MILLION GALLONS
38,921.50	\$4,793,704.00	\$123.16
41,493.67	\$4,727,852.00	\$113.94
46,758.31	\$4,627,313.00	\$98.96
	\$5,010,887.00	\$108.22
46,987.48		
	41,493.67 46,758.31 46,302.82	MILLION GALLONS 38,921.50 \$4,793,704.00 41,493.67 \$4,727,852.00 46,758.31 \$4,627,313.00 46,302.82 \$5,010,887.00

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	\$60,590.78	\$16.94
Ferric Coagulant	\$72,220.43	\$20.19
Chlorine	\$22,870.50	\$6.39
Sodium Polyphosphate	\$8,286.90	\$2.32
Polyelectrolyte	\$23,855.97	\$6.67
Fluoride (100%)	\$5,239.25	\$1.46
Ammonia	\$6,916.88	\$1.93
Carbon	\$0.00	
TOTAL CHEMICALS	\$199,980.71	\$55.90

Purification Plant Operating Cost:

\$1,189,556.00

Total Water TREATED 2002:

3,577,440,000 Gallons

TOTAL COST PER MILLION GALLONS

			COST PER
	TOTAL WATER TREATED	OPERATING COST	
YEAR	MILLION GALLONS	OPERATING COST	MILLION GALLONS
2002	3,577.44	\$1,189,556.00	\$332.52
		\$1,284,487.00	
2001	3,839.54		
2000	4,425.96	\$1,362,279.00	\$307.79
1999	5,971.82	\$1,373,072.00	\$229.93
1998	4,402.11	\$1,340,745.00	\$304.57

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 2002

Total Million Gallons Water Treated	24,485.45
Total Tons Dry Sludge Deposited in Basins Including suspended and Dissolved	
Solids Removed and Reacting Chemicals	20,630
Total Million Gallons Wet Sludge Withdrawn from Basins	966.09
Average Percent solids in Wet Sludge	0.51
Total Million Gallons Water Used in withdrawing Sludge	964.03 3.95
Percent of Total Water Treated Used in Withdrawing Wet Sludge	3.95

TABLE X-A

SLUDGE REMOVED FROM THE "L" BASINS PRIMARY TREATMENT UNITS DOOR MONORAKE CONVENTIONAL SYSTEM 2002

	14,619.57
Total Million Gallons Water Treated	14,019.57
Total Tons Dry Sludge Deposited in Basins Including suspended and Dissolved	26,228
Solids Removed and Reacting Chemicals	343.16
Total Million Gallons Wet Sludge Withdrawn from Basins	1.80
Average Percent solids in Wet Sludge	
Total Million Gallons Water Used in withdrawing Sludge	340.54
Percent of Total Water Treated Used in Withdrawing Wet Sludge	2.35

TABLE XI 2002 ANALYSIS DATA FOR NEW ORLEANS DRINKING WATER PURIFICATION SYSTEM

		SISSIPPI RIVI			ISHED WATER	81
PARAMETER		fore Purificatio			fter Purification) MIN	AVG
	MAX	MIN	AVG	MAX 126	62	85
Total Alkalininty (ppm as CaCO3)	155	79	111	165	111	134
Total Hardness (ppm as CaCO3)	187	108	144	72	26	50
Noncarbonate Hardness (ppm as CaCO3)	66	11	34		73	99
Calcium Hardness (ppm as CaCO3)	130	72	99	126	11	35
Magnesium Hardness (ppm as CaCO3)	72	9	45	63	0.09	0.17
Nephelometric Turbidity (N.T.U.)	312	8	62	0.49	0.09	0.17
Jackson Turbidity (J.T.U.)	370	25	97		7.00	0.00
рН	8.24	7.01	7.85	9.57	7.96	8.88
Chloride (ppm)	43	16	29	45	21	30
Fluoride (ppm)	0.38	0.13	0.22	1.25	0.73	0.94
Total Dissolved Solids (ppm)	315	114	236	274	105	208
Total Suspended Solids (ppm)	140	39	93			0.43
Free Chlorine Residual (ppm as CL2)				0.68	0.00	0.12
Total Chlorine Residual (ppm as CL2)				4.31	0.42	2.97
Ammonia (ppm as N)				0.80	0.05	0.19
Ortho Phosphate (ppm as PO4)	0.32	0.20	0.25	0.36	0.14	0.21
Total Phosphate (ppm as PO4)	0.43	0.22	0.28	0.47	0.24	0.31
Sulfate (ppm as SO4)	38.8	29.3	34.0	39.1	29.0	33.5
Silica (ppm as SiO2)	7.2	4.8	5.7	5.2	4.2	4.8
Nitrate (ppm as N)	1.49	1.19	1.31	1.46	0.30	1.35
Nitrite (ppm as N)	0.10	0.05	0.08	0.08	0.05	0.07
Color (Scale Units)	20	. 10	15	15	10	12
Conductivity (umhos/cm)	373	179	270	412	194	269
Temperature (Deg. F.)	85	42	64	89	52	73
Aluminum (ppb)	19	2.2	8.3	13	0.0	4,7
Antimony (ppb)	0.2	0.0	0.0	0.1	0.0	0.0
Arsenic (ppb)	1.2	0.0	0.5	1.0	0.0	0.2
Barium (ppb)	56	. 26	36	50	12	27
Beryllium (ppb)	0.0	0.0	0.0	0.0	0.0	0.0
Cadmium (ppb)	0.1	0.0	0.0	0.1	0.0	0.0
Chromium (ppb)	0.7	0.0	0.1	1.2	0.0	0.1
Copper (ppb)	5.6	0.0	2.9	13	0.0	3.9
Iron (ppb)	54	18	32.8	77	8.0	26.6
Lead (ppb)	0.1	0.0	0.0	0.4	0.0	0.0
Manganese (ppb)	4.6	0.3	1.9	7.7	0.0	1.5
Mercury (ppb)	0.0	0.0	0.0	0.0	0.0	0.0
Nickel (ppb)	6.2	1.8	3.5	5.8	0.4	2.7
Selenium (ppb)	0.8	0.0	0.3	0.6	0.4	0.2
Silver (ppb)	0.2	0.0	0.0	0.0	0.0	0.0
	5.8	0.0	3.5	5.2	0.1	2.6
Zinc (ppb)	5.8			·	2.6	3.8
Potassium (ppm)	49		30.4	40	13	24.3
Sodium (ppm)	0.1			()	0.0	0.0
Thallium (ppb)	0.0			(19.1
Total Trihalomethanes (ppb)	6.68					2.86
Total Organic Carbon (ppm)	1.0					0.0
1, 2-Dichlorethane (ppb)	0.0					13.4
Chloroform (ppb)	0.0			_		0.0
Carbon Tetrachloride (ppb)	0.0					4.0
Bromodichloromethane (ppb)	0.0					0.0
Tetrachloroethene (ppb)	0.0					
BTEX (Benzene, Toluene, Ethylbenzene,	11.4	0.0	0.0	0.7	0.0	0.0
and Xylenes) (ppb)	 	0.0	0.0	0.1	0.0	0.
Benzene (ppb)	12000		·			
Total Coliforms (colonies/100 ml)	13600			-		
Heterotrophic Plate Count (CFU's/ 1.0 ml)	5600					
Fecal coliforms (colonies/100 ml)	570	7) 10	, 100	21	<u> </u>	

TABLE XII

EXTRACTS FROM TABLES IV-E AND V 20 Year Period, 1983 to 2002 Inclusive Maximum, Minimum, and Average Amount of Water Treated Per Day (M.G. per 24 Hours)

ſ 		CARROLLTON			ALGIERS	
YEAR	MAX.	MIN.	AVG.	MAX.	MIN.	AVG.
1983	231.70	107.60	128.30	15.00	8.50	11.02
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	108.39	14.00	6.66	9.80

TABLE XIII

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

MONTHLY	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
January	37	35	40	45	46	64	45	50	39	45
	38	36	38	48	50	50	50	49	44	46
February	38	42	43	52	57	52	50	55	49	49
March	48	53	55	57	61	61	60	60	57	56
April	60	62	62	68	63	70	67	69	69	67
May	71	71	77	76		80	77	78	75	74
June		77	82	83	83	85	82	83	82	82
July	76 76	77	85	83	87	85		86	84	84
august	76	76	84	82	83	83		84	83	82
September	75			72	77	76		72	73	73
October	62	66	73		67	65		63	63	62
November	51	57	60	62 51	59	57	56	47	56	
December	41	46	50				89	87	87	85
Maximum	80	80	88	84	90	87				
Minimum	35	32	36	40	39	47	42	39	65	
Average	56	58	62	65	67	68	66	66	65	1 04

Ten Year Period

Maximum:

90

Minimum:

32

Average:

64

TABLE XIV

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

	1998	1999	2000	2001	2002
January	64	65	60	54	61
February	66	66	60	63	63
March	68	63	67	68	65
April	73	70	70	74	72
May	79	77	76	78	77
June	82	80	80	79	82
July	83	82	85	82	83
August	84	86	85	84	83
September	81	83	83	82	84
October	80	75	78	77	79
November	72	70	72	71	72
December	67	63	60	64	64
Maxiumum	89	89	92	89	87
Minimum	58	56	50	49	52
Average	75	74	72	73	74
		Five Yea	ar Period		

Five Ye	ear Period	
Maximum	92	
Minimum	49	
Average	74	
J		

New Orleans East Bank Sewage Treatment Plant Yearly Summary

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2002
PLANT FLOW (MGD) Average Maximum	97 158	89 197	102 150	117	69	96	97 136	105 176	124 215	133	113	105 175	104
INFLUENT BOD (mg/l) Average Maximum	94	911 173	123	192 420	159	11.7	121	147 356	125 362	92 385	90	122 236	125 420
INFLUENT TSS (mg/l) Avernge Maximum	120 192	160 255	189	283 852	182 386	171 287	225 446	291 578	230	156 598	99	155 328	188 852
INFLUENT BOD (Ibs/day) Average Maximum	74,292	85,706 181,365	103,497 159,506	185,397 455,956	91,690	93,170 165,928	97,258 153,834	123,887 243,416	115,304 310,835	94,985 341,030	82,057 151,531	104,468 215,811	104,309
INFLUENT TSS (Ibaday) Average Maximum	96,211	121,457 349,599	163,760 348,435	269,430	108,337	143,482	189,029 447,845	258,314 517,784	220,586 540,657	167,024 529,155	93,381	134,858 322,007	163,822 751,781
EFFLUENT BOD (mg/l) Average Weekly Maximum	rs tr	\$ 65	\$ \$	37	25 \$	25	21 26	17	36	20	18	22	30 77
EFFLUENT TSS (mg/l) Average Weekly Maximum	3 5	2 5	38	29 37	30	30	15	28 33	36 35	33	26 39	29 31	32 71
EFFLUENT BOD (Ibaday) Average Maximum	44,602	36,528 78,126	34,053	36,333 67,510	20,866	19,894	16,816 31,868	14,794	21,109	22,323 56,169	17,851 51,197	13,211	25,698 152,256
EFFLUENT TSS (lbs/day) Average Maximum	42,564 106,735	32,827 84,920	27,839	29,347 90,057	17,275 33,160	23,780 48,759	20,038 38,987	15,892 91,663	29,965 93,150	39,158 176,828	24,748 86,694	25,328 63,694	28,230 176,828
EFFLUENT CL2 (mg/l) Average Maximum	0.2	0.2	0.3	0.2	0.3	4 0	0.3 0.3	0.4 4.0	0.4	0.4	0.4	0.4	0.3
EFFLUENT COLIFORM (cov100 ml) Average (Geo) Wkly Maximum (Geo)	34	111	18 67	30	53 319	12	99	8 29	6 23	13	16 52	19	35
EFFLUENT pH (SU) Minimum Mazimum	6.45 6.89	6.21 6.73	6.26 6.84	6.45 6.68	6.34 6.70	6.33 6.70	6.27 6.68	6.19 6.73	6.26	6.30	6.31	6.33 6.58	6.19 6.89
BURNED SLUDGE (tons) Average per day Total	4 113	11 295	27 847	17 503	25 768	27	23 726	31	21 638	28 877	23	21 653	7,866
AUXILIARY FUEL (MMBTU's) Average per ton Total	5.5 3,900	8.5 3,387	6.7 6,360	7.5	9.1 8,550	8.9 8,143	10.9 7,687	9.6 8,886	8.4	9.0 7,857	10.3	11.0 715,7	2.5 19,540
ELECTRICITY (kwhr) Average per day Total	54,735 1,696,800	53,400 1,495,200	55,006 1,705,200	58,520 1,755,600	58,529	69,440	71,806	68,826 2,133,600	74,760 2,242,800	78,581 2,436,000	71,120	64,761 2,007,600	64,957 23,730,000
RAINFALL (inches) Total	0.+	2.2	4.8	3.5	2.3	5.5	5.8	5.6	72.4	9.8	4.0	5.0	74.8

New Orleans West Bank Sewage Treatment Plant Yearly Summary

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2002
PLANT FLOW (MGD) Average Maximum	12.0	11.0	12.0	13.0	7.0	7.0	11.0	11.0	14.0	17.0	13.0	11.0	37.7
INFLUENT BOD (mg/l) Average Maximum	69 103	91 115	90 128	86 127	118	101	88	89 219	68 124	50 85	94	71	82 219
INFLUENT TSS (mg/l) Average Maximum	71 109	86 130	104	99	131	114	103	107	94	71	64	75 130	93 211
INFLUENT BOD (Ibs/day) Average Maximum	6,023	6,943	7,399	5,729 12,820	7,574	6,600	6,109	6,006	6,178 12,213	5,870 9,737	5,508	5,471 11,106	6,284 18,136
INFLUENT TSS (ibs/day) Average Maximum	6,482 14,636	6,664	8,442 14,420	6,998	8,667	7,647	7,104	7,614 20,891	8,946 22,676	8,842	5,225	5,952 14,551	7,382
EFFLUENT BOD (mg/l) Average Maximum	23 36	28	39	43 63	34	25 45	17	23 50	24 45	27	22 51	29 47	27
EFFLUENT TSS (mg/l) Average Maximum	27	28	25 37	27	23 35	20 40	15 31	17	20	28	27	28 38	24
EFFLUENT BOD (lbs/day) Average Maximum	2,042	2,129 4,113	2,311	2,966	2,170	1,655	1,219	1,638	2,600	3,700 8,577	2,088	2,355 7,435	2,239
EFFLUENT TSS (Ibs/day) Average Maximum	2,499	2,205	2,120	2,034	1,509	1,349	1,085	1,283 5,359	2,257 8,158	3,906	2,561 7,652	2,241	2,088 16,018
EFFLUENT CL2 (mg/l) Maximum	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
EFFLUENT COLIFORM (col/100 ml) Average (Geo) Maximum	0F1 8	7 68	12	14	s . 8	6 100	6 360	4 16	14 335	13	21 370	21,200	11,200
EFFLUENT pll (SU) Minimum Maximum	7.20	7.10	7.10	6.90	6.50 7.30	7.00	6.80	7.00	6.80	7.00	6.80	7.30	6.50
DISPOSED SLUDGE (tons) Total	132	169	144	195	100	89	111	102	66	151	205	137	1,613
ELECTRICITY (kwhr) Average per day Total	10,071 312,200	9,550 267,400	9,574	9,193 275,800	9,124 264,600	8,950 250,600	8,219 254,800	8,310 257,600	9,567 287,000	10,941 295,400	10,360 259,000	8,400 260,400	9,173 3,281,600
RAINFALL (inches) Total	10.1	1.7	1.6	6.6	5.1	2.5	6.0	6.7	6.8	\$3	1.1	4.9	61.4

ANNUAL REPORT - 2002 WATER TABULATION NO. 1

WATER LINES LAID DURING 2002 QUANTITIES OF PIPE MEASURED IN FEET

ITEMS	BY CONTRACT	BY OTHERS	TOTAL FEET	TOTAL MILES
2" P.V.C.	453.50	2,295.20	2,749.00	0.520
4" P.V.C.	40.00	80.40	120.40	
6" P.V.C.	877.00	774.50	1,651.50	0.310
8" P.V.C.	24,505.90	8,221.60	32,727.50	
8" D.I.	470.00	664.00	1,134.00	
10" P.V.C.	0.00	143.00	143.00	
10" IRON	0.00	60.00	60.00	
12" P.V.C.	2,912.00	4,610.20	7,522.20	1.420
12" D.I.	80.00	596.20	676.20	0.120
18" P.V.C.	0.00	0.00		0.000
16" P.V.C.	1,641.00	0.00		
16" D.I.	40.00	0.00	40.00	
TOTAL FEET	31,019.40	17,445.40	48,464.80	9.13
FIRE HYDRANTS	5	48	53 Total Fire Hydr	
VALVES	66	83		
MANHOLES	86	95	181 Total Manhol	es in 2002

Total feet removed or abandoned 14,042 ft 2.66 miles

WATER VALVES AS OF 2002

INSTALLED IN 2002	REMOVED IN 2002	TOTAL VALVES REMAINING IN 2002
132	51	24,433

FIRE HYDRANTS AS OF 2002

INSTALLED IN 2002	REMOVED IN 2002	TOTAL FIRE HYDRANTS REMAINING IN 2002
82	17	24,369

WATER MANHOLES AS OF 2002

INSTALLED IN 2002	REMOVED IN 2002	TOTAL MODIFICATIONS IN 2002
162	2	160

WATER LINES IN SYSTEM AS OF 2002

INSTALLED	ABANDONED & REPLACED	ADDED	TOTAL FEET	TOTAL MILES
48,464.80	30,485.00		4,578,859.20	867.20

ANNUAL REPORT 2002
WATER TABULATION NO. 2
WATER AND HYDRANTS INSTALLED BY EACH AGENCY AND
QUANTITIES REMOVED OR ABANDONED IN THE PRESENT EXISTING WATER DISTRIBUITION SYSTEM
AT THE END OF 2002

		WATER M	MAINS	The second secon		×	VALVES			HYDR	HYDRANTS	
CONTRACTOR	Existing	Total Linear Feet Installed	Total Linear Feet Removed or Abandoned	Total Linear Feet Remianing in System	Existing	Installed	Removed	Remaining	Existing	installed	Removed	Remaining
Algiers Water Works	49,510.00	00.0	00:089	48,830.00	72	0	0	72;	281	0		280
Ordinary Contracts	4,601,920.20	00.00	443,372.70	4,158,547.50	7,055		412	6,643	1,958		1463	495
S&WB Forces	814,618.00	00.00	91,271.20	723,346.80	2,070	0	143	1,927	1,731	0	0	1,731
By L-M-P Contracts	1,178,883.80	00.00	58,854.30	1,120,029.50	2,141	0	128	2,013	9,617	0	0	9,617
By P-W-A Contracts	66,574.60	00:00	1,657.30	64,917.30	38	0	2	36	52	0	0	52
C-W-A & E-R-A Contracts	33,860.20	00:00	1,705.70	32,154.50	20	0	9	44	98	0	0	98
By W-P-A Contracts	258,848.90	00:00	9,649.20	249,199.70	420	0	19	401	441	O	0	441
By F-W-A Contracts	52,649.60	00:00	00.0	52,649.60	31	0	0	31,	19	O	0	19
By Various War Agencies	3,158.00	00.00	00.00	3,158.00	0	0	0	Ö	0	0	0	0
Under HANO	2,753.00	00:00	2,753.00	0.00	0	0	O	0	0	0	0	0
Under F-P-H-A	1,176.40	00:00	00:0	1,176.40	0	0	0	0	0	0	0	0
By Orleans Levee Board	147,667.80	00:00	00.0	147,667.80	375	0	18	357	863	ō	0	863
By Others	1,920,171.50	00:00	26,899.00	1,893,272.50	3,237	0	29	3,208	4,227	O	51	4,176
By Dock Board	9,508.20	00:00	00.00	9,508.20	121	0	0	121	0	0	0	0
Total Linear Feet	9,141,300.22	00.0	636,842.40	8,504,457.30	15,610	0	757	14,853	19,275		1,515	17,760
Total Miles	1,731.30	00:00	120.61	1.610.69				•				

ANNUAL REPORT - 2002 WATER TABULATION NO. 3

LENGTH OF WATER MAINS OF EACH SIZE AND MATERIAL, NUMBER OF VALVES OF EACH SIZE, BOTH GATE AND CHECK, ORIGINALLY INSTALLED, THE QUANTITIES REMOVED OR ABANDONED, AND THE QUANTITIES REMAINING IN THE DISTRIBUITON SYSTEM AT THE END OF 2002

Seel Pipe			WATER	MAINS		
See Pipe	Size	Material	Existing			Remaining
ABC Sieel Pipe	54"	Concrete Pipe				7,535.10
18	50"	Steel Pipe	88,484.80	0.00		88,484.80
48" Cast Iron Pipe 12,839.30 0.00 80,00 12,759 43" Cast Iron Pipe 11,170.10 0.00 11,170.10 42" Concrete Pipe 9,361.90 0.00 9,361.42 42" Cast Iron Pipe 4,389.60 0.00 56.80 4,523.35 36" Cast Iron Pipe 16,761.20 0.00 36.74 36" Concrete Pipe 37,374.70 0.00 37,374.70 36" Controller Pipe 37,374.70 0.00 36.834.00 60.840 30" Cast Iron Pipe 64,523.50 0.00 36.854.00 0.00 36.854.00 30" Perstressed Concrete 36.50.40 0.00 3.919.00 0.00 3.919.00 30" Ductile Iron Pipe 3.50.00 0.00 3.919.00 0.00 3.919.00 30" Ductile Iron Pipe 19,602.20 0.00 3.919.00 0.00 3.919.00 30" Ductile Iron Pipe 19,602.20 0.00 3.919.00 3.919.0	48"					36,637.10
13						4,982.90
					80.00	12,759.30
A349.60						11,170.10
Secondary Seco						9,361.90
16,761_20						
36° Concrete Pipe						
Sef Prestressed Concrete 675.00 0.00 675.						
30° Cast Iron Pipe						675.00
30° Prestressed Concrete 36,654,40 0.00 3,654,						
30° R. C. P. Pipe					0,000.40	36,654.40
30° Ductile Iron Pipe 35.00 0.00 35. 30° Steel Pipe 19.602.20 0.00 19.602. 30° Concrete Pipe 72.929.50 0.00 205.30 72.724. 30° P.V.C. Pipe 1.483.10 1.483. 24° R. C. P. Pipe 102.50 0.00 102. 24° Concrete Pipe 4.062.50 0.00 3.119.60 30.480. 24° Concrete Pipe 4.062.50 0.00 3.119.60 30.480. 24° Concrete Pipe 33.599.80 0.00 3.119.60 30.480. 21° P.V.C. Pipe 8.00 0.00 3.563.20 102.202. 22° Asbestos Cement 12.688.00 0.00 3.653.20 102.202. 20° Asbestos Cement 12.688.00 0.00 1.464.30 18.755. 20° Ductile Iron Pipe 12.956.40 0.00 1.464.30 18.755. 20° Ductile Iron Pipe 12.956.40 0.00 1.2956. 20° Prestressed Concrete 212.50 0.00 2.12. 21° R. C. P. Pipe 970.50 0.00 2.825.90 118.234. 16° Cost Iron Pipe 3.212.30 2.865.40 0.00 5.681. 36° Concrete Pipe 3.212.30 2.865.40 0.00 5.681. 36° Ductile Iron Pipe 3.212.30 2.865.40 0.00 6.034. 36° P.V.C. Pipe 6.475.50 1.641.00 0.00 6.034. 36° P.V.C. Pipe 6.475.50 1.641.00 0.00 8.116. 36° Asbestos Cement 66.344.20 0.00 66.344. 36° R. C. P. Pipe 1.069.30 0.00 5.6973.30 634.065. 12° Cast Iron Pipe 891.038.80 0.00 56.973.30 634.065. 12° Steel Pipe 1.272.90 0.00 1.272. 12° Asbestos Cement 367.871.60 0.00 367.871. 12° Ductile Iron Pipe 9.344.00 5.023.70 70.00 14.667. 12° Ductile Iron Pipe 9.344.00 5.023.70 70.00 14.667. 12° P.V.C. Pipe 6.103.670 0.00 0.00 1.272. 12° Asbestos Cement 12.763.60 0.00 12.763. 10° Cast Iron Pipe 9.344.00 5.023.70 70.00 14.667. 12° P.V.C. Pipe 7.964.30 0.00 12.763. 10° Plastic Pipe 153.90 0.00 15.732.90 15.2642. 10° Plastic Pipe 153.90 0.00 15.732.90 15.2642. 10° Plastic Pipe 10.188.80 20.00 20.3165.70 2.862.481. 10° Plastic Pipe 10.188.80 20.00 20.3165.70 2.862.481. 10° Plasti						3,919.60
30° Sieel Pipe						35.00
30° Concrete Pipe 72,929.50 0.00 205.30 72.724.						19,602.20
30° P.V.C. Pipe						72,724.20
24* R. C. P. Pipe 102,50 0.00 102 24* Concrete Pipe 4,062,50 0.00 3,119,60 30,480 24* Cast Iron Pipe 8,00 0.00 3,119,60 30,480 20* Cast Iron Pipe 105,765,80 0.00 3,563,20 102,202 20* Asbestos Cement 12,688,00 0.00 12,688 20* Concrete Pipe 20,220,10 0.00 1,464,30 18,755 20* Ductile Iron Pipe 12,956,40 0.00 12,256 20* Ductile Iron Pipe 121,500 0.00 212.21 18* R. C. P. Pipe 970,50 0.00 2,825,90 118,234 16* Concrete Pipe 5,681,60 0.00 2,825,90 118,234 16* Concrete Pipe 5,681,60 0.00 5,681 16 0.00 6,077 16* Py C. Pipe 6,475,50 1,641,00 0.00 6,077 16* Py C. Pipe 6,344,20						1,483.10
24" Concrete Pipe			102.50			102.50
21" P.V.C. Pipe	24"	Concrete Pipe				4,062.50
20" Cast Iron Pipe					3,119.60	30,480.20
20" Asbestos Cement 12,688.00 0.00 1,464.30 18,755.						8.00
20" Concrete Pipe 20,220.10 0.00 1,464.30 18,755. 20" Ductitle fron Pipe 12,956.40 0.00 12,956. 20" Prestressed Concrete 212.50 0.00 212. 18" R. C. P. Pipe 970.50 0.00 970. 16" Cast Iron Pipe 121,060.50 0.00 2,825.90 118,234. 16" Concrete Pipe 5,681.60 0.00 5,681. 16" Ductile fron Pipe 3,212.30 2,865.40 0.00 6,077. 16" P. V. C. Pipe 6,475.50 1,641.00 0.00 8,116. 16" Ductile Fron Pipe 1,069.30 0.00 66,344. 15" R. C. P. Pipe 1,069.30 0.00 0.00 1,069. 12" Steel Pipe 1,272.90 0.00 1,272. 12" Asbestos Cement 367,871.60 0.00 367,871. 12" Ductile Iron Pipe 9,344.00 5,023.70 70.00 14,667. 12" P. V. C. Pipe 87,961.30 21,601.20 0.00 10,356. 10" Cast Iron Pipe 9,344.00 5,023.70 70.00 10,356. 10" Cast Iron Pipe 10,356.70 0.00 10,356. 10" Cast Iron Pipe 153.90 0.00 12,763. 10" Plastic Pipe 153.90 0.00 15,732.90 153. 10" P. V. C. Pipe 3,534.00 3,464.00 0.00 6,996. 8" Plastic Pipe 168,375.30 0.00 15,732.90 152,642. 8" Asbestos Cement 723,686.40 0.00 723,886. 8" Ductile Iron Pipe 10,188.80 202,997.20 0.00 213,186. 8" P. V. C. Pipe 3,065,647.10 0.00 231,028. 8" Asbestos Cement 723,686.40 0.00 723,886. 8" P. V. C. Pipe 1,4401.90 236,027.10 0.00 250,429. 6" Cast Iron Pipe 1,294.43.70 0.00 0.00 79,165.90 1,115,515.70 0.00 13,240. 4" Asbestos Cement 1,115,515.70 0.00 0.00 79,165.90 1,115,515.70 0.00 1,276.30 0.00 1,276.30 0.00 1,276.30 0.00 1,276.30 0.00 1,276.30 0.00 1,276.30 0.00 1,276.30 0.00 1,276.30 0.00 1,276.30 0.00 1,276.30 0.00 1,276.30 0.00 1,276.30 0.00 1,276.30 0.00 1,276.30 0.00 1,276.30 0.00 1,276.30 0.00 1,276.30 0.00 1,276.30 0.00 1,276.30 0.00 1,276.30 0.00 1,276.30 0.00 1,27					3,563.20	
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18" R. C. P. Pipe 970.50 0.00 970. 16" Cast fron Pipe 121,060.50 0.00 2,825.90 118,234. 16" Concrete Pipe 5,681.60 0.00 5,681.1 16" Ductile Iron Pipe 3,212.30 2,865.40 0.00 6,077. 16" P.V.C. Pipe 6,475.50 1,641.00 0.00 66,344.1 16" Asbestos Cement 66,344.20 0.00 66,344.1 0.00 1,069.30 15" R. C. P. Pipe 1,069.30 0.00 1,069.30 1,000 1,069.30 12" Cast Iron Pipe 891,038.80 0.00 56,973.30 834,065. 12" Steel Pipe 1,272.90 0.00 367,871.1 1,069.30 1,000 367,871.1 12" DVC Cestore 3,344.00 5,023.70 70.00 14,667.2 127.2 127.2 1,000 367,871.60 0.00 10,9562.2 10" 20.00 10,9562.2 10" 10" 1,000 3,946.0						
16" Cast Iron Pipe						970.50
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16" Ductile Iron Pipe 3,212.30 2,865.40 0.00 6,077. 16" P.V.C. Pipe 6,475.50 1,641.00 0.00 8,116. 16" Asbestos Cement 66,344.20 0.00 66,344. 17" Cast Iron Pipe 891,038.80 0.00 56,973.30 834,065. 12" Steel Pipe 1,272.90 0.00 1,272. 12" Asbestos Cement 367,871.60 0.00 367,871. 12" Ductile Iron Pipe 87,961.30 21,601.20 0.00 10,9562. 12" P.V.C. Pipe 87,961.30 21,601.20 0.00 10,356. 10" Cast Iron Pipe 10,356.70 0.00 10,356. 10" Ductile Iron Pipe 153.90 0.00 1,2763. 10" P.V.C. Pipe 153.90 0.00 1,2763. 10" P.V.C. Pipe 3,534.00 3,484.00 0.00 6,998. 10" P.V.C. Pipe 3,534.00 3,484.00 0.00 6,998. 10" P.V.C. Pipe 168,375.30 0.00 15,732.90 231,028. 10" P.V.C. Pipe 168,375.30 0.00 152,642. 10" Asbestos Cement 723,686.40 0.00 723,686. 10" Ductile Iron Pipe 168,375.30 0.00 15,732.90 152,642. 10" P.V.C. Pipe 10,188.80 202,997.20 0.00 213,186. 10" P.V.C. Pipe 1,401.90 236,027.10 0.00 231,028. 10" P.V.C. Pipe 1,401.90 236,027.10 0.00 231,386. 10" P.V.C. Pipe 1,401.90 236,027.10 0.00 231,386. 10" P.V.C. Pipe 1,401.90 236,027.10 0.00 231,386. 10" P.V.C. Pipe 1,229,443.70 0.00 0.00 792. 12" 3,885.50 0.00 1,115,515. 10" P.V.C. Pipe 1,229,443.70 0.00 0.00 3,361. 11" Steel Pipe 3,361.70 0.00 0.00 3,361. 12" P.V.C. Pipe 3,361.70 0.00 0.00 0.00 29,455. 13" Galvanize Pipe 3,361.70 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00					2,020.00	5,681.60
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16" Asbestos Cement 66,344.20 0.00 66,344.1 15" R. C. P. Pipe 1,069.30 0.00 1,069.30 12" Cast Iron Pipe 891,038.80 0.00 56,973.30 834,065. 12" Steel Pipe 1,272.90 0.00 367,871.50 1,272.90 0.00 367,871.50 12" Ductile Iron Pipe 9,344.00 5,023.70 70.00 14,667. 12" P.V.C. Pipe 87,961.30 21,601.20 0.00 10,356.20 10" Cast Iron Pipe 10,355.70 0.00 10,356.20 10.00 7,946.00 0.00 7,956.20 10" Ductile Iron Pipe 610.00 7,346.00 0.00 7,956.10 10° Asbestos Cement 12,763.60 0.00 12,763.00 10° 153.30 0.00 12,763.00 10° 153.30 0.00 153.30 10° P.V.C. Pipe 3,534.00 3,464.00 0.00 6,998.8 8° Plastic Pipe 231,028.80 0.00 15,732.90 <t< td=""><td></td><td></td><td></td><td></td><td></td><td>8,116.50</td></t<>						8,116.50
15" R. C. P. Pipe						66,344.20
12" Steel Pipe			1,069.30	0.00		1,069.30
12" Asbestos Cement 367,871.60 0.00 367,871. 12" Ductile Iron Pipe 9,344.00 5,023.70 70,00 14,667. 12" P.V.C. Pipe 87,961.30 21,601.20 0.00 10,356. 10" Cast Iron Pipe 10,356.70 0.00 10,356. 10" Ductile Iron Pipe 610.00 7,346.00 0.00 7,956. 10" Asbestos Cement 12,763.60 0.00 12,763. 10" Plastic Pipe 3534.00 3,464.00 0.00 6,998. 8" Plastic Pipe 231,028.80 0.00 231,028. 8" Cast Iron Pipe 168,375.30 0.00 15,732.90 152,642. 8" Ductile Iron Pipe 4,907.10 10,561.70 0.00 213,186. 8" P.V.C. Pipe 10,188.80 202,997.20 0.00 213,186. 6" P.V.C. Pipe 14,401.90 236,027.10 0.00 250,429. 6" Cast Iron Pipe 3,065,647.10 0.00 203,165.70 2,862.481. 6" Asbestos Cement 1,115,515.70 0.00 121,385. 6" Ductile Iron Pipe 121,385.50 0.00 121,385. 6" Ductile Iron Pipe 121,385.50 0.00 121,385. 6" Ductile Iron Pipe 1,229,443.70 0.00 79,165.90 1,115,217. 4" Asbestos Cement 29,455.30 0.00 79,165.90 1,150,277. 4" Asbestos Cement 29,455.30 0.00 0.00 3,237. 4" P.V.C. Pipe 3,319.60 10,983.00 0.00 14,302. 3" Galvanize Pipe 3,361.70 0.00 0.00 3,237. 4" P.V.C. Pipe 3,346.60 0.00 0.00 9,620. 2" Cast Iron Pipe 5,346.60 5,346. 5" S,346.60 5,346.			891,038.80		56,973.30	834,065.50
12" Ductile Iron Pipe 9,344,00 5,023,70 70.00 14,667. 12" P.V.C. Pipe 87,961,30 21,601,20 0.00 109,562. 10" Cast Iron Pipe 10,356,70 0.00 10,356. 10" Ductile Iron Pipe 610,00 7,346,00 0.00 7,956. 10" Asbestos Cement 12,763,60 0.00 12,763. 10° 10" Plastic Pipe 153,90 0.00 0.00 6,998. 8" Plastic Pipe 231,028.80 0.00 0.00 6,998. 8" Cast Iron Pipe 168,375,30 0.00 15,732.90 152,642. 6" Asbestos Cement 723,686.40 0.00 723,686. 8" Ductile Iron Pipe 1,907.10 10,561.70 0.00 15,468. 8" Ductile Iron Pipe 14,401.90 236,027.10 0.00 250,4229. 6" P.V.C. Pipe 14,401.90 236,027.10 0.00 250,4229. 6" Cast Iron Pipe <td></td> <td></td> <td></td> <td></td> <td></td> <td>1,272.90</td>						1,272.90
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B" Cast Iron Pipe 168,375.30 0.00 15,732.90 152,642. 6" Asbestos Cement 723,686.40 0.00 723,686.8 8" Ductile kron Pipe 4,907.10 10,561.70 0.00 15,468.8 8" P.V.C. Pipe 10,188.80 202,997.20 0.00 213,186.6 6" P.V.C. Pipe 14,401.90 236,027.10 0.00 250,429.8 6" Cast Iron Pipe 3,065,647.10 0.00 203,165.70 2,862,481. 6" Asbestos Cement 1,115,515.70 0.00 1,115,515.6 0.00 121,385.9 0.00 121,385.6 6" Ductile Iron Pipe 11,938.10 1,302.20 0.00 13,240. 4" Ductile Iron Pipe 712.20 80.00 0.00 792.1 4" Cast Iron Pipe 1,229,443.70 0.00 79,165.90 1,150,277.1 4" Plastic Pipe 3,237.10 0.00 29,455.3 4" Plastic Pipe 3,237.10 0.00					3.50	231,028.80
8" Asbestos Cement 723,686.40 0.00 723,686.8 8" Ductile Iron Pipe 4,907.10 10,561.70 0.00 15,468.8 8" P.V.C. Pipe 10,188.80 202,997.20 0.00 213,186.1 6" P.V.C. Pipe 14,401.90 236,027.10 0.00 250,429.1 6" Cast Iron Pipe 3,065,647.10 0.00 203,165.70 2,862,481.4 6" Asbestos Cement 1,115,515.70 0.00 11,115,515.5 0.00 121,385.6 6" Ductile Iron Pipe 11,938.10 1,302.20 0.00 13,240. 4" Ductile Iron Pipe 712.20 80.00 0.00 792. 4" Cast Iron Pipe 1,229,443.70 0.00 79,165.90 1,150,277. 4" Asbestos Cement 29,455.30 0.00 29,455.4 3,237.10 0.00 3,237. 4" Plastic Pipe 3,237.10 0.00 3,237. 3,237.10 0.00 3,237. 4" P.V					15,732.90	152,642.40
8" Ductile Iron Pipe 4,907.10 10,551.70 0.00 15,468.8 8" P.V.C. Pipe 10,188.80 202,997.20 0.00 213,186.1 6" P.V.C. Pipe 14,401.90 236,027.10 0.00 250,429.1 6" Cast Iron Pipe 3,065,647.10 0.00 203,165.70 2,862,481.6 6" Asbestos Cement 1,115,515.70 0.00 11,115,515.5 0.00 121,385.6 6" Ductile Iron Pipe 11,938.10 1,302.20 0.00 13,240.1 4" Ductile Iron Pipe 712.20 80.00 0.00 792.2 4" Cast Iron Pipe 1,229,443.70 0.00 79,165.90 1,150,277.1 4" Asbestos Cement 29,455.30 0.00 29,455.3 30.00 29,455.3 4" Plastic Pipe 3,237.10 0.00 3,237.3 319.60 10,983.00 0.00 14,302.2 3" Galvanize Pipe 3,361.70 0.00 3,361.7 0.00 3,361.7	8"					723,686.40
8" P.V.C. Pipe 10,188.80 202,997.20 0.00 213,186.6 6" P.V.C. Pipe 14,401.90 236,027.10 0.00 250,429.1 6" Cast Iron Pipe 3,065,647.10 0.00 203,165.70 2,862,481.6 6" Asbestos Cement 1,115,515.70 0.00 1,115,515.5 6" Plastic Pipe 121,385.50 0.00 121,385.6 6" Ductile Iron Pipe 11,938.10 1,302.20 0.00 13,240.3 4" Ductile Iron Pipe 712.20 80.00 0.00 792.4 4" Cast Iron Pipe 1,229,443.70 0.00 79,165.90 1,150,277.4 4" Asbestos Cement 29,455.30 0.00 29,455.4 29,455.30 0.00 3,237.4 4" P.V.C. Pipe 3,319.60 10,983.00 0.00 14,302.2 3" Galvanize Pipe 3,351.70 0.00 3,361.7 2" Cast Iron Pipe 20,592.10 0.00 9,620.0 2	8"				0.00	15,468.80
6" P.V.C. Pipe 14,401.90 236,027.10 0.00 250,429.6° Cast fron Pipe 3,065,647.10 0.00 203,165.70 2,862,481.6° Asbestos Cement 1,115,515.70 0.00 1,115,515.6° Plastic Pipe 121,385.50 0.00 122,1385.6° Ductile fron Pipe 11,938.10 1,302.20 0.00 122,1385.4° Ductile fron Pipe 712.20 80.00 0.00 792.4° Cast fron Pipe 1,229,443.70 0.00 79,165.90 1,150,277.4° Asbestos Cement 29,455.30 0.00 29,455.4° Plastic Pipe 3,237.10 0.00 29,455.4° P.V.C. Pipe 3,319.60 10,983.00 0.00 14,302.0° Galvanize Pipe 3,361.70 0.00 3,361.2° Cast fron Pipe 20,592.10 0.00 20,592.2° Galvanize Pipe 9,620.00 0.00 9,620.00 29,546.1° Steel Pipe 5,346.60 5,346.60	8"		10,188.80		0.00	213,186.00
6" Asbestos Cement 1,115,515.70 0.00 1,115,515. 6" Plastic Pipe 121,385.50 0.00 121,385. 6" Ductile Iron Pipe 11,938.10 1,302.20 0.00 13,240. 4" Ductile Iron Pipe 772.20 80.00 0.00 792. 4" Cast Iron Pipe 1,229,443.70 0.00 79,165.90 1,150,277. 4" Asbestos Cement 29,455.30 0.00 29,455. 4" Plastic Pipe 3,237.10 0.00 3,237. 4" P.V.C. Pipe 3,319.60 10,983.00 0.00 14,302. 3" Galvanize Pipe 3,361.70 0.00 3,361. 2" Cast Iron Pipe 20,592.10 0.00 20,592. 2" Galvanize Pipe 9,620.00 0.00 9,620.1 2" P.V.C. Pipe 4,396.40 16,148.50 0.00 20,544.11" Steel Pipe 5,346.60 5346.60	6"	P.V.C. Pipe	14,401.90	236,027.10		250,429.00
6" Asbestos Cement 1,115,515.70 0.00 1,115,515. 6" Plastic Pipe 121,385.50 0.00 121,385. 6" Ductile Iron Pipe 11,938.10 1,302.20 0.00 13,240. 4" Ductile Iron Pipe 772.20 80.00 0.00 792. 4" Cast Iron Pipe 1,229,443.70 0.00 79,165.90 1,150,277. 4" Asbestos Cement 29,455.30 0.00 29,455. 4" Plastic Pipe 3,237.10 0.00 3,237. 4" P.V.C. Pipe 3,319.60 10,983.00 0.00 14,302. 3" Galvanize Pipe 3,361.70 0.00 3,361. 2" Cast Iron Pipe 20,592.10 0.00 20,592. 2" Galvanize Pipe 9,620.00 0.00 9,620.1 2" P.V.C. Pipe 4,396.40 16,148.50 0.00 20,544.11" Steel Pipe 5,346.60 5346.60	6"				203,165.70	2,862,481.40
6" Plastic Pipe 121,385.50 0.00 121,385.6 6" Ductile fron Pipe 11,938.10 1,302.20 0.00 13,240.3 4" Ductile Iron Pipe 712.20 80.00 0.00 792.3 4" Cast Iron Pipe 1,229,443.70 0.00 79,165.90 1,150,277.4 4" Asbestos Cement 29,455.30 0.00 29,455.3 4" Plastic Pipe 3,237.10 0.00 3,237.3 4" P.V.C. Pipe 3,319.60 10,983.00 0.00 14,302.2 3" Galvanize Pipe 3,361.70 0.00 3,361.7 0.00 3,361.7 2" Cast Iron Pipe 20,592.10 0.00 20,592.2 0.00 9,620.0 2" P.V.C. Pipe 4,396.40 16,148.50 0.00 20,544.1 1" Steel Pipe 5,346.60 5,346.60 5,346.60	6"					1,115,515.70
1" Steel Pipe 5,346.60 5,346.						121,385.50
1" Steel Pipe 5,346.60 5,346.	6"					13,240.30
1" Steel Pipe 5,346.60 5,346.	4"	Ductile Iron Pipe				792.20
1" Steel Pipe 5,346.60 5,346.	4"				/9,165.90	
1" Steel Pipe 5,346.60 5,346.	4"					
1" Steel Pipe 5,346.60 5,346.	4"				0.00	
1" Steel Pipe 5,346.60 5,346.	3"				0.00	
1" Steel Pipe 5,346.60 5,346.	2"					20,592.10
1" Steel Pipe 5,346.60 5,346.	2"					9,620.00
1" Steel Pipe 5,346.60 5,346.	2"				0.00	20,544.90
				,	3.30	5,346.60
Linear Feet Total 8,989,958.80 520,171.50 370,106.30 9,199,008.				520,171.50	370,106.30	9,199,008.30
						1,742.24

Size Existing Installed Removed Remaining 48 14 1 13 42" 4 4 4 36" 18 18 18 30" 69 4 65 24" 42 3 39 20" 133 133			VALVES	3	
42' 4	Size	Existing			Remaining
42° 4	48	14		1	13
36° 18		4			4
30° 69 4 65 24° 42 3 3 39 20° 133					18
20° 133		69			65
16" 176 1 1 1 176 14" 3	24"	42		3	39
14" 3 3 3 4 2 2 2 0 9 10 10 10 10 10 10 10 10 10 10 10 10 10	20"	133			133
12" 1,996 15 2 2,009 10" 39 3 0 42 8" 5,770 36 0 5,806 6" 9,256 9 18 9,247 4" 7,195 5 29 7,171 2" 34 12 0 46	16"		1	1	176
12" 1,996 15 2 2,009 10" 39 3 0 42 8" 5,770 36 0 5,806 6" 9,256 9 18 9,247 4" 7,195 5 29 7,171 2" 34 12 0 46	14"	3			
8" 5,770 36 0 5,806 6" 9,256 9 18 9,247 4" 7,195 5 29 7,171 2" 34 12 0 46					2,009
6" 9,256 9 18 9,247 4" 7,195 5 29 7,171 2" 34 12 0 46		39			
4" 7,195 5 29 7,171 2" 34 12 0 46		5,770			
2" 34 12 0 46	6"	9,256			9,247
		7,195			
	2"	34	12	0	40
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TOTALS 24,749 81 58 24,772					
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TOTALS 24,749 81 58 24,772					
TOTALS 24,749 81 58 24,772					
	TOTALS	24.749	81	58	24,772

ANNUAL REPORT - 2002 SEWER TABULATION NO. 1 SEWER LINES LAID DURING 2002 QUANTITIES OF PIPE MEASURED IN FEET

ITEMS	BY CONTRACT	BY OTHERS	TOTAL FEET	TOTAL MILES
6" P.V.C.	12,259.90	17,298.50	29,558.40	5.60
8" P.V.C.	27,492.00	17,926.90	45,418.90	8.60
8" D.I.	0.00	0.00	0.00	0.00
10" P.V.C.	460.00	1,191.30	1,651.30	0.31
12" P.V.C.	1,070.50	279.00	1,349.50	0.26
15" P.V.C.	1,571.40	600.00	2,171.40	0.41
18" P.V.C.	4,410.40	0.00	4,410.40	0.84
21" P.V.C.	329.00	0.00	329.00	0.06
4" P.V.C./S.F.M.	697.00	2,415.60	3,112.60	0.59
36" P.V.C.	0.00	0.00	0.00	0.00
TOTALS	48,290.20	39,711.30	88,001.50	16.67
M.H.'S	48	75		oles Constructed 2002

SEWER LINES LAID IN 2002

ORIGINAL	REMOVED &	TOTAL	
CONSTRUCTION	REPLACED	REMAINING	TOTAL REMAINING (IN MILES)
(IN FEET)	(IN FEET)	(IN FEET)	
8,287,302.10	48,290.20	4,388,822.10	831.22

SEWER MANHOLE PROJECTS FOR 2002

BUILT IN 2002	REMOVED IN 2002	TOTAL MODIFICATIONS IN 2002
123	9	114

ANNUAL REPORT - 2002

SEWER TABULATION NO. 2

SEWER MANHOLE AND FLUSH TANKS BUILT BY EACH CONTRACT FOR 2002

THE QUANTITIES DESTROYED OR ABANDONED AND THE EXTENT OF THE SEWERAGE AT THE END OF 2002

		SEWER PIPE			ALL SEWERS			MANHOLES	
	ORIGINAL	REMOVED &	BEMAIN	ORIGINAL	ABANDONED	BEMAINING	ORIGINAL	ABANDONED	REMAININ
	BUILT	REPLACED	,	BUILT	חשויים	NEW CHANGE	BUILT	CONTROLLE	
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	28.0
Built Under Ordinary Contracts	3,612,594.20	276,730.90	3,335,863.50	3,654,238.20	102,584.20	3,551,654.20	9,875.00	258.00	9,617.0
Built by S&WB Forces	1,353,426.20	75,235.20	1,278,191.00	1,357,727.70	63,968.80	1,293,758.90	3,998.00	142.00)'958'E
Built by Dock Board	5,839.70	00.0	5,839.70	6,874.30	00.0	6,874.30	19.00	00'0	19.
Built Under CWA & ERA Contracts	25,662.60	360.00	25,302.60	25,662.60	360.00	25,302.60	76.00	3.00	13.
Built Under WPA Contracts	138,903.60	26,168.40	112,735.20	112,735.20	26,168.40	112,735.20	504.00	3.00	501
Built Under PWA Contracts	177,599.30	14,095.40	163,503.90	163,503.90	14,095.40	163,503.90	474.00	2.00	469
Built Under FWA Contracts	9,120.80	00.0	9,120.80	9,120.80	00.00	9,120.80	32.00	00'0	32.
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	00'9	.699
Built by FPHA	4,253.10	340.50	3,912.60	4,253.10	340.50	3,912.60	17.00	1 00	16.
Built Under L.M.P. Contracts	733,963.50	16,352.40	717,611.10	743,801.80	22,809.40	720,992.40	2,192.00	00.09	2,132.
Built by Others	1,958,576.30	40,206.40	1,918,369.90	1,937,292.80	40,206.40	1,897,086.40	5,508.00	81.00	5,427.
	8,167,596.30	471,490.50	7,696,105.00	8,166,467.30	296,135.10	7,870,332.20	23,443.00	574.00	22,869.
TOTAL MILES	1,546.89	89.30	1,457.60	1,546 89	26.08	1,490.60			

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ANNUAL REPORT - 2002 SEWER TABULATION NO. 3 LENGTH OF SEWER OF EACH SIZE AND MATERIAL BUILT, DISCARDED AND NOW REMAINING IN THE SYSTEM

SEVVEN	BUILT INCLUDING	DESTROYED OR ABANDONED	ADDED	NOW REMAINING IN THE SYSTEMS	SIZE & MATERIAL OF SEWER	BUILT INCLUDING SUBSTITUTES	DESTROYED OR ABANDONED	ADDED	NOW REMAINING IN THE SYSTEMS
72" Steel	29.182.40			29,182.40	24" Vitrified Clay	31,911.40			31,911.40
68" Steel	9,061.90			9,061.90	24" Cast Iron	17,638.10			17,638.10
66" Concrete	13,740.70			13,740.70	24" Asbestos Cement	4,942.20			4,942.20
66" Steel	28,979.70			28,979.70	24" Reinforced Concrete	28,377.00			28,377.00
60" Steel	2,577.70			2,577.70	24" P.V.C.	162.00			162.00
60" Concrete	748.90			748.90	24" Steel	110.00			
57" Concrete	1,766.80			1,766.80	21" P.V.C.	373.60		329.00	
54" Concrete	7,030.40			7,030.40	21" Reinforced Concrete	14,994.50	329.00	00.00	14,
54" Steel	44,014.50			44,014.50	20" Ductile fron Pipe	143.80			
51" Concrete	928.30			928.30	18" P.V.C.	3,121.50	00.0	3,650.00	9
50" Steel	135.00			135.00	16" Steel	120.00			120 00
48" Concrete	13,791.00			13,791.00	16" Asbestos Cement	28,894.90			28,894.90
48" FRP	10,900.20			10,900.20	16" Plastic	1,913.10			
48" Steel	21,147.20			21,147.20	15" P.V.C.	5,294.00	00.0	2,171.00	
45" Concrete	3,048.40			3,048.40	15" Plastic Truss	1,766.80			
42" Concrete	20,170.10			20,170.10	15" Vitrified Clay	117,050.00		00.0	
42" Steel	3,580.20			3,580.20	10" Vitrified Clay	194,748.80	870.00	00.0	
39" Brick	884.80			884.80	10" Concrete	54,095.80			54,095.80
39" Concrete	3,871.80			3,871.80	10" Steel	130.00			130.00
36" Vitrified Clay	2,433.70			2,433.70	10" Asbestos Cement	27,660.40			
36" Pretressed Concrete	11,617.20			11,617.20	10" P.V.C.	101,967.30		1,651.30	۲
36" Reinforced Concrete	9,392.70			9,392.70	10" Plastic Truss	6,102.50	30.00	0.00	
36" Steel	150.00			150.00	8" Plastic	706,265.50			
36" Cast Iron	10,674.00			10,674.00	8" Concrete	364,846.60		0.00	
36" P.V.C.	10,804.00			10,604.00	8" Terra Cotta	375,838.30	250.00	00.0	
33" Brick	3,150.40	1		3,150.40	8" Cast Iron	32,887.40			
33" Reinforced Concrete	1,450.90			1,450.90	8" Vitrified Clay	4,503,185.40	27,342.00	0.00	4,47
30" Vitrified Clay	1,672.20			1,672.20	8" Asbestos Cement	3,895.90			
30" Brick	3,006.60			3,006.60	8" Plastic Truss	78,885.90	3		
30" Prestressed Concrete				484.00	8" P.V.C.	77,751.30		45,41	12
30" Reinforced Concrete	34,449.70			34,449.70	6" Concrete	2,324.60	100.00	00.0	
30" Vitrified Clay	11,732.20	-		11,732.20	6" Asbestos Cement	4,493.90			
30" Cast Iron	4,305.90	-		4,305.90	6" Cast Iron	4,204.40			
30" Steel	3,255.20			3,255.20	6" Vitrified Clay	136,631.60	9,682.50	00.0	
30" ERP	16,400.00	1		16,400.00	6" Plastic	371,272.70)£
29" P.V.C.	887.00	0		887.00	6" Plastic Truss	7,354.60			
28" P.V.C.	541.00	C	-	541.00	6" Terra Cotta	13,274.20	2,2		
27" Vitrified Clay	29,134.80	C		29,134.80	6"PVC	35,009.10	00.00	29,558.40	64
27" Terra Cotta	11.00	c		11.00	4" Cast Iron	874.20	0		874.20
27" PVC	11.00	C		11.00	4" Ductile Iron	180.40	0		180.40
27" Reinforced Concrete	13,738.40	C		13,738.40	4" Plastic	126.00	0		126.00
26" P V C	2 277 00	e		2,277.00	4" P.V.C.	1,389.00	0		
					Subtotal Linear Feet	7,364,478.70			
Subtotal Linear Feet	384,661.90	00.0		384,661.90	Total Linear Feet	7,749,140.60	0 46,158.30	82,1	7,78
Total Miles	72.85	5 0.00		72.85	Total Miles	1,467.64	8.74	15.67	1,47.1.45

10.56 12.80 20.06 10.82 -14.86 -13.72 22.11 0.57 DEFICIT 534 3.16 5.35 5.50 6.22 388 4.23 4.62 30ASSVA ANHUAL 50.42 74.53 62.43 67.09 67.09 67.09 67.09 67.13 67.14 67.14 67.14 67.14 67.13 67.13 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 68.01 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2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 8 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 80 2 34.96 483.56 43.96 57.33 540.89 45.07 37.06 547.95 JATOT TO DATE 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 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42.42 35.81 544.85 JATOT TAG OT TABLE OF RAINFALL IN NEW ORLEANS SINCE ESTABLISHMENT OF RAIN GAGES IN 1884 RAINFALL AND AVERAGES FOR "YEAR 1894 TO DATE" 4.74 36.45 4.36 4.38 4.38 4.48 4.48 SE TAUOM. 30,42 409,69 41,82 451,51 37,63 37,63 36,88 36,88 36,88 36,88 36,88 36,88 36,88 37,33 37,33 49.44 41.43.31 19.33.31 19.33.31 19.33.31 19.33.38 19.33.38 19.33.38 19.33.38 19.33.38 19.33.38 19.33.38 19.33.38 19.33.38 19.33.38 19.33.38 19.33.38 32.88 5.06 5.29 44 5.05 5.05 86.00 32.70 5.06 39.73 86.50 59.18 5.25 50.18 5.25 50.18 5.25 5.577 5.542 5.542 5.542 5.542 5.640 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 6.400 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		x 31A0 OT	55 36	147.60	85.88	213.26	55.15	51 74	55.00	33.51	298.51	2 8	355.49	54.22	20.45	54.69	62.18	84.12	46 07	530.19	54.65	58.13	588.32	61.86	849.98	55.00	09 85 87 85	24.47	47.76	26.24	68.71	805.05	2 8	870.70	55.02	936	55.32	79.21	25 67	60.14	2,075.66	8 8 5 8	126.51	55.96	65.97	2,192.48	47.68	56.00 1	
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	9	31A0 01	42.29	988.40	20.05	1,047.44	47.61	45.11	47.50	31.27	1,123.82	45.6	1,1689	48.76	1 728 R	47.19	50.8	1,277,8	2 8	1,316.5	47.0	47.7.	1,364.24	53.0	1,417.3	47.2	31.69	46.7	39.65	488.6	63.9	1,552.6	6.0	1,612.7	47.4	688	47.68			50.75						1,889.81		1,932.5	
		TNUOMA	8											3.26								-	8 5	2.48	98.51	328	9 2	3.18	7.27	105.78	3.83	109.61	3.32	112.70	3.31	115.56	3.30	5.98	5 5 5	4.41	125.95	3.40	130.26	3.43	8.23	3.55	0.70	3.48	
2		MYOT F STAG OT	41.03	937.34	8 9	984.24	44.74	38.19	44.45	30.59	053.02	8 2	087.46	43.50	130 55	43.83	47.82	167.37	37.20	224.57	43.73	43.62	268 19	50.63	318.82	43.96	350.51	43.56	32.35	382.86	80.16	443.02	57.03	50003	4 12	553 13	44.38	65.78	76.03	46.34	,665 23	35.53	700.76	44.76	50.58	44 91	42.08	793.40	
ES IN 18	- 1	TNUOMA		120.11								2.7		20.0				<u> </u>	7 15	155.26	123		-1	1		1	2.83	5.23	6.10	5, 25	5.51	173.61	101	175.52	5.16	179.67	5.13		१इ	7.20	SI:	5.45	203.10	5.34	5.19	534	233	5.29	
RAINFALL IN NEW ORLEANS SINCE ESTABLISHMENT OF RAIN GAGES IN 1894 RAINFALL AND AVERAGES FOR "YEAR 1894 TO DATE"		3TA0 OT		34 92	ı			- 1		1 1	- 1	30.73		37.85				035.68	1	1.	1 1	42.31	11.62	48.03	,159.65	98.89			I'		l i	1,269 41	55.47	324.51	38.96	- 1	1 1	- 1	1	39.14		33 93		, ,	45.37	39,56	38.74	39.54	
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RAINFAL	,	JATOT 3TAG 01	16.51	21 91	17.29	477.44	21.70	494 90	21.52	14.44	509.34	19.77	529.11	21.16	56036	21.55	23.47	21.63	13.72	597.55	21.34	26.68	21.53	24.55	648.78	21.5	670.28	21.62	12.98	21.35	39.95	723.21	35.95	759.16	22.33	783.37	22.38	32.34	22.66	20.08	835.77	18 78	854.55	22.49	28.96	22.88	24.81	22.73	
ABLE OF	١	TNUOMA	0.59	85.37	3.54	16.88	8 8	08 96	4.21	1.30	8 5	2.08	100.18	401	108.05	4.16	5.24	4 20	8	115.09	4.11	6.20	4.18	9.71	131.00	S S	136.89	4.42	4 12	4	11.31	152.32	2.84	155.16	92	160.57	4.59	8.17	88	2.70	171 44	2 46	173.90	4.58	188 68	48	3.58	192.26	
¥		3TA0 OT	15.92	17.85	13.75	388.53	17.66	398 10	17.31	13.14	411.24	17.69	428.93	77.16	452.31	17.40	18 23	17.63	11 92	482 46	17.23	2 2	17.34	14.84	517.78	9	533.39	17.21	8.86	16.95	28.64	570.89	33.11	604.00	17.76	622.80	17.79	24.17	17.97	17.38	964.33	16.32	680.65	17.91	15.18 18.18	17.84	21.23	17.93	
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	\mathbf{I}	31 A 0 01		12.76				88.80	12.55	9.48	12.42	7.41	05.49	12.22	21.62	12.37	11 92	3 5	7.64	41.18	12.19	18.31	12.33	10.71	68.20	1,75	381.14	12 29	80.05	12.16	22.72	17.48	18.46	30.37	12.66	42.50	12.64	22.29	12.91	14.44	79.23	13.15	192.34	12.96	20.00	12.86	14 48	12.90	
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	ŀ																									S S	249.19 13	2	4 5	3 6	1,34	14	727	339 15	13	5.30 15	3.15	18.19	33.5	9.37	986 16	7.97	3 83 17	3.38	5.80	3.35	8.75		
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		ANNUAL MONTHLY AVERAGE EXCESS OR DEFICIT	5.23 6.54		1 444 .2 77		1	4.41		8.18 17.49		7 3.38 -15.51		3.63 -12.27		5.97 15.50		2 4.78 1.15		7 6.13 17.05		2 4.14 -8.67		Fifty Years	10.01	6 4.86 1.83	П	2 5.62 10.59		1 6.09 15.97		6 6.10 15.73		0 5.08 3.41	90 (5 3.39 -16.54	1	15 27 - 17 31		5	3 4.68 -3.43		27 5.69 11.20
		THUOWA THUOWA TATOT TATOT		19	6 66 53 33	1 1		199.81 2.409.12	1 1	3.57 73.92		1 1	4.61 58.08						220.99 2,696.11			1	229.82 2,819.40		2.8	- 1	237.50 2,944.77		6	- 1	247.52 3,085.30		1 1			6.09 40.65		2 78 44 67	151	4.57 56.98	ြ	Ц	22 :
	-		=	2	51.54	120	1		51.38	70.35		36.28			51.24		51.51	8	2,475.12 220		2 544 90 22	44 68	2,589.58 22	51.79	2,654.32 23	52.05	2,707.27	52.08	2,772,32 23	52.31	2,837.78 24	37.30	2,906,28 25							_	2 2	Ц	59.55 8
		THUOMA THUOMA TATOT TATOT			3.07	1 1	1	130 13	3.03	1.29	2.99	, ,	2.97	3.08	2.97	1.09	2.83	1.67	138.31	1	141.53		-		135.05	2 63 64	157 68	331	160.99	12.58	173.57	9.94	183.51	0.12	183.63	0.76	184.39	1	38 187.65	1		c	52 11.03
		NOWA DIATOT TATOT TATOT	1	1,987		2,0	3.39 48.4	75 2.079 20		69			3.80 48.50						3 71 48 66			76 43.2	182.83 2,448.65	1	183.89 2,489.27		12	-			89.89 2,864.21			_	194.47 2,779.6	1.23 33.80		3.43	17	3.39 49.17	2,6	1_1	69
193	-	ATOT THOOMA					45.00			44.44 2	3 18		2 6	37.74	28		44.92	46.79	2,157.80 17	1	=	1	Π	_		47.74		55.44		1	22		8 5		2,585.18 19	32.57	ш	37.67	Н		Ľ	7	47.83 0
SAGES IN 18	Į.	THUOMA	2.01	213.64	264	216.28	5.15	221.18	5.14	5 19	5.14	5.06	5.14		5 5.10	7.79	5.16	6.03	248.43	4.82	253.25	-	286.45	533	272.11	6 70	18.81	5.38	287.06	مان	280 28	12.69	302.97	7	310.52		312.62	2 2 20	F		320.58	5.43	32 28
IT OF RAIN (MTOT TOTAL	Ш	1	L		\perp	上	Ш		102	Ц,	5.67 39.56	2 5	2 29			16	76 1,909.37	8	98		16 1,997.27	1	38 3	8 =	1			<u> </u>	52 2.1	61 44 79	2,2	•		1.60 30.47		3 18 32 07	2,3		54 2,377.92	2	30 2 46 13
NBLE OF RAINFALL IN NEW ORLEANS SINCE ESTABLISHMENT OF RAIN GAGES IN 189 RAINFALL AND AVERAGES FOR "YEAR 1894 TO DATE"		TOT DATOT TO DATE	22	3	3 8	16	34.14 5.71			3	5 5	7		2	3 5	2 8			278	12	288	25.52	1,705.11 292.16		1,744.92 298.	1	ıĸı	48.78	829.58 308		870.52 313			40.78	948.48 328	26.87 3.60	975.35 328	28.85	18	34.56	041.38 336		39.28
S SINCE ES		тиоома	6.01	251.78 1		1 (6.18	265.89	6.18	3.72	6.13	8.30	6.18	4.60	8.14	9.92	6.22	7.53	299.96	6.57	306.53	6.73	313.26	627	317.65	12.01	329.66	5.70	335.36	1	8			1		7.21		4.28	362.04	6.24	372.13	1	381 36 2
EW ORLEAN	5000	JATOT STAG OT		-1	1	1-1	- 1	-	11	- 1 -	7	"	77.71	- 1*	~	- 1-	-				1,373.06		-	1	71 1,427.27		-	22 43.08	-	1	61 1,532.02		-			51 19.68	-1	1	75 1,642.20	- 1	-	1	7 57 1 690 30
INFALL IN NI RAINFAL	ŀ	3TAG OT TNUOMA		12	25.99	63.74 210.0	22.95 5.0	89 12 211	23.00	21.44 B	22.97 5.0	12.69 3	22.74 4.97	20.67 3	22.69 4	27.71 8	22.80 4.	14.49 12	22 63 5	25.63 14	72 60 5 33				1,159.56 267.71			35.86 7			246.41 285.61					16.15 3.51				23.11 5	364.52 304.73	23.13	72 21
ABLE OF RA		TNUOMA	60.6	201.35	4 20	205.37	4.89	209.73	4.88	3.57	4.85	2.40	4.79	10.51	4.92	0.86	4.83	2.55	229.62	5.83	235.45	2.67	238.12	4/6	242 39	282	245.21	85.2	253.74	5.47	259.21	2 53	281.74 1	0.38	262.72	2.26	264.88	1.75	266.73 1		271.05 1,		277 40 1
Ť		ATOT STAC OT		- 1	- 1		- 1	1	ΙI					- 1	1 1	ı				1			1 1					- 1	1 1										1L	-			
	ľ	TNUOMA	4.53 4.8	0.38 206.0	434 7.6	4.72 213.6	2.97 5.0	0.19 219.20	3.03 5.10	1 11 226 1	2.98 5.1	7.43 2.8	12.86 5.09	7.17 2.9	2.73 5.0	10 45 242 1	2.82 5.1	9.20 2.74			12 86 246 21				660.28 256.89	1.68 53	71.96 262.2	74 05 3.2	96.01 265.5	7.58 8.0	713.59 273.61	24.61 1.7	38.20 275.3		55.97 284.7	7.52 6.37	63.49 291.1	13.41 5.67	121		793.51 298.96		>
	10001	TATOT TATOT		- 1	· I	H	- 1	1	1 1	- 1	1 1		4 53		11	-		Н	1	1		1	1 1	1	233.08 66	1	П	1	11	1	11		1 1					1	11	ł	304.76		309 28
	704110	3TA0 OT	9.13	343.51	5 43	348.94	831	362.30	8.43	268.14	8.37	6.35	8.32	5.93	0.27	12.51	8.36	6.56	399.49	11.31	410.80	368	414.48	67.9	427 20	938	436.58	8 5 5	445.53	10.0	455.63	5.91	8 39	6.79	468.33	3.11	471.44	5.89	477.33	8 23	488.75	8.28	8 9 4
	in land		5.66 3.47	- 1		1 1	3.93 4.38			3.84 2.00	4.02	4.65 1.70	4.04 4.29	2.06 3.8	3.99 4.28	4 59 7.9.	4.01 4.35	3.90 2.66			193.36 217.44				203 67 223 53	4.69	18.36 228.2	5.13 3.6	3.49 232.0	7.50 2.60	220 99 234 64	4.53	25.52 236.02			1.91 1.20			234.31 243.02		36.89 251.86		230 14 258 00
	No estimates	YEAR	Ш		1935	Ш	Bwg	_	Ц	1837	Ц	1938	Ш		Ш	丄	\perp	Ш	丄		Ш	1943	Ш	Bva		1945	Ц	1946	Ш	1947	Ш	1948	Ш	1949	Ш		Ц	15.	Ц	Bvg.		Bv6	\perp
	ŀ	EAR Yo.	F	-	f	45	\dagger	₽ -	\dashv	- 1		¥		ų	-			-	6	Ť	Q	1	ន	Ť	20	\dagger	25	1	S	T	Z	\dagger	ĸ	+-	\$8	T	25	\dagger	8	1	S	1	8

		EXCESS O DEFICIT	-11.28		8 20			8.20		1	5		-2.08			15.61		17.		Ī	20.78			-17.80			7	1	8			508		16.40			3.18	T	98.9			-5.48	J	0.74			-2.00		000	8.3		19.69	٤
	Ā	ANNUAL MONTHLY AVERAGI	3.80		27.5		П	5.45		2	1		4.59			8		187	ò	T	2			3.31			ic.	Seventy Ye	5 28	1	Н	4.62		8 18	Н		80.0		4.23		١	4.34		4.86			4.63		8	200	\prod	8.48	Eighty Yes
	EMBER	JATOT 3TAO OT	45.63	3,470.03	56.88	3 535 25	57.02	65.35	3,600.60	57.15	1 863 54	57.24	55.13	3,718.67	57.21	73.08	2/16/5	2 2	3 847 75	57.43	78.50	3 928 25	57.74	39.68	3,965.93	2 4	0000	57.43	13.63	4,083.40	57.51	8	57 48	74.11	4,212.94	57.71	96.094	57.78	50.70	4,324.58	27.66	52.11	4,3/0.09	58.34	4,435.03	57.60	55.57	480 80	57.57	4 550 81	57.81	77 S4	57.85
	DECEN	1	5.08	•	2 37	•		1 1	1 1			4.85	L		9.4	2.30	9010	8 3	4		1					4.56	- 1			322.68		턴	85 82F	_		_	40.6	4 65	20,	351.63	8	8	2 4	3.16	360.69	4.68	6.45	367 14	£ 8	374.07	4.74	8.50	4 78
	ER	JATOT BTA0 OT	Ø	22	52.21 R2 R5	12	8	2	42			52.60	53.83	119.91	52.61	ভা	2	22.00	8 8	-	ıΙς	614.38	53 15	36.91	621.29			57.86		_	_	2	2,009,44	68 75	9	53.13	51.90		42.88	3,972.95	52.97	_	0 8	8 9	_	5	-	8 8	8 8	176 74	8	3 5	6
	NOVEMBER		2.81		3.33			Ц	6	-	۳	331	1	3	_	ľ	1	2 21			1	8	8	91	_	3.20	20.41			237.86 3,		- 1		1	1	3.29							- 1		248.04 4		1	4	3.23	0 19	3.29	1	Ш
	<u>.</u>	37A0 OT	7	2	59 61	41 03 20	49.05	8	=	49 18		49.28			49.34	Ξİ	al:	7 2	25.77 21	49 63	65 73	ı		1 1	3,425.00 22	19.64	- 1	- 1		522.86 23										3,727.40 2					3,826.30 2				4		8	64.95	12
	CTOBE	JA101	1/9	2	8 2	38	27		78 3.0	3.23	2 5	12	8	8	_1	2	8 3	27 5	5	1	3.36	7	125	_	Z	_	222 84 3 4	1	L	04 3,5	Ш	6	2	1	3,6	12	5.92		8	8	-		241.3/		6.00 3,8		1.12	7.12 3.8	277	6	3.18	3 29	3.18
	R	TNUONA	5	201	8 8		45.78 3.		\perp		67 205	46.07		8	1	ŀ	200	1 85	7 49 217	838	1	2	3.62	2.30	18 22		4	_	22	5.82 227	2	18	8 41	5.28	407.15 23			1	1	486.84 240		4	-	3 12	200	S	44.41	4.71 24	40.47	5.49 25	46.40	1.86	82.9
1894 1894	PTEMBER	JATOT 3TAG OT		7	1	12	11	1	22 2,894 63		2 2	27	8	2	28	3	2 2	98 44 65	68 3 10	52 2	1/9	35	22	31	3,202	8 8	38 3 242 80	ខ្ល	L	3,2		78	ગે.	120	24 3	8	۳	7	1	10	-1	1.	5	2 2	56 3,580	9	2	6 3 3	5 8	6	28	35 3 61	8
GAGES IN	SEI	MUOMA			2 8	8	2	9	亰	2 2	358	50	98	362	8	_4.	_L	40.67	_1_		5	375	2	89	50 379	֓֞֜֜֜֜֜֜֜֓֓֓֓֓֓֓֜֜֜֜֓֓֓֓֓֓֓֓֓֓֓֡֓֜֜֜֓֓֓֓֡֓֜֜֡֓֡֓֜֜֜֓֡֓֡֓֡֓֡֡	787	2 67	7	.88 391.94		29 6.78		٥	\$	5				.15 413.69			- 1		74 422	5	-1	7		98	19	80 10	3
OF RAIN	AUGUST	JATOT 3TAG OT	28	2,	8 8	2,503	9	Ц	2.549	\$ 5	2 591	40	45	2,637	9	65	7	\perp	5	1	L	2,7			2,2		1	1	4	12		39.29	٧	1						3,073,15	-		40.07		3.1			5	3 5	32	Ц	3 274	Ц
SHMENT R 1894 T	¥	THUOMA	3.75	8	54 12 35	328	3	39 3.97	8	0/0/0/	8 370 58			ଳା			8	1	94 387 87	2	5	8		2	24 398.98	<u> </u>	26 402 08	3 5		70 407.18	6 5.7.		7		6 424.15				_	439.31	┙	00 8 32		_	↤		5.5	₹	'n	6 464 23	93 5.8	7 458 5	5.8
ESTABLI	٦٢	JATOT 3TAG OT	24	2,105	\$ 8	2,143	8	45	2.185	3 %	2221		40.87	Ϊ.	- [-1`	2,310	33.5	2 349 9	35	5	2,401	æ	22	2,423	8 8	2 453	3 8	5	2,496	Ц	١٢	٧.	L	2,577.76		10	4	8	2,633	8	32	35	3 8	2,701.	ક્ષ	23	2/2	3 2	2	¥	2 806	Ш
ABLE OF RAINFALL IN NEW ORLEANS SINCE ESTABLISHMENT OF RAIN RAINFALL AND AVERAGES FOR "YEAR 1894 TO DATE"]	TNUOMA	₩	88	1	_	6.48		1	9 5	-	6	8.68	422	-	14.24		6 12	4	9		₽	8	_	¥	0 4	4	6.58	7.67	4	•	- 1	- 1		482.43		480 83		1	8	9	/ 6	-1-	6	80		•	7		524	+-+	531.89	
ORLEAN ND AVER	JNE	JATOT BTAG OT	16.32	1,715.62	26.37	1,741.99	28.10	35.52	1,777.51	29 66	1,807,17	28.24	32.19	1,839.36	28.30	39.93	79 47	27.40	1 906 68	28.46	43.71	1,950.40	28.68	18.88	1,969.28	20.55	1 000 51	28.46	35.77	2,028.28	28.57	25.37	28.52	41.68	2,095.33	28.70	2117 55	28.62	21.25	2,138.80	28.52	7 456 63	28.40	26.24	2,191.77	28.46	17.12	2,206,89	26.32	223500	28.29	39.54	28.4
IN NEW	J.	ТИЛОМА	3.58	318.15	2.75	318.90	5.14	11.80	330.70	2.0	338.58	5.29	3.86	32.4	5.27	8	20.00	1 78	350.21	523	10.78	360.97	5.31	6.63	389.60	21.0	377.87	5.45		381.91		5.35	5 38	2.30	389.56	53	3,5											410.29 F 26	4 20	411 49	5.21	5.81	5 22
RAINFALL	λ	JATOT TAG OT	12.74	399.47	23.62	1,423.09	22.95	23.72	1 446 81	21 78	1 468 59	22.95	28.33	1,496,92	2303	200	23 40	25.67	1.556.48	23.23	32.85	1,589.43	23.37	10.25	289 88	20.00	614 64	23.07	31.73	1,646.37	23.19	20.02	23 14	39.38	1,705.77	23.37	1 723 00	23 30	14.54	1,738.53	23.18	4 764 00	23 24	21.85	1,785.67	23.19	12.93	39.00	24 95	1,823.51	23.08	33.73	23.22
BLE OF	MA	THUOMA	3.95	2/6.44	3 8	281.30	4.54	98	286.26	2 28	289.14	4.52	7.25	296.39	1.36	20.00	2 12	144	312.60	4.67	92.9	319.16	4.69	0.80	319.96		32151	65.4	1 24	322.75	4.55	3.29	4 53	7.75	334.08	1.58	32.5	4.58	5.06	342.15	8	78.0	A 5.8	8.72	354.79	4 61	5.06	8 2	6 6	363 47	4.60	368.61	4.61
¥		JATOT 3TAO OT	8.79	123 03	18.76	141.79	18.42	18.76	160.55	18 90	179.45	18.43	21.08	20053	18.47	22.14	18 53	2121	243.88	18.57					1,279,72					1,323.62	18.64	16.43	18.61	31.63	1,371.68	18 79	386 90	18.74	9.48	398.38	18.62	18.57	19.53	14.93	430.88	18.58	10.87	C/ 84 84	18 20	460.04	18.48	1 488 63	18.61
	APRIL	THUOMA	1.00			,	1				1_		3.18					92.9					5.05					4 98		356.81		- 1			365.00			4.97	3.39	371.32	8	4 32	3 5	0.82		4 89	98	767//6	8 5		4.80		2
		JATOT STAG OT			1.80																		13.63		933.45					966.81					1,006.68			13.77	60.9	1,025.06	13.67	10.04	2 6	1-4	054.21	13.69	10.02	23.62	18.0			17 48	1 .
	MARCH		2.64	1	1	1	5.03	-		1	1	l		١		1	1			1				- [351.13		1		ı	358.20	- 1	1			364.65					368.05			8 3		383.21					-	H	10.35	11
	-	31A0 OT	5.15		17.1	14.00 31	8.29	990	24.66 31	375	18.38 32	8.26	29.62	38 02 3	8.28	200	25 17 B	08 6	31.90	8.39	15.29	577.19 34	8.49	5.15	82.34	1 25	22 70 35	8.47	15.91	608.61			8.62	21.34	842.03 36	8.79	52 78 3	8.82		657.01 36			1		71 00 3	8.71	6.49	N 99					
	FEBRUARY	TNUOMA JATOT	157	2 2	5.62	35.19 51	4.28	8 44	73.63 5.	2 63	76.05	4.31	3.61	79.66	8 2	20.03	2 40	5.40	35 69 56	14.4	8.63	04.32 5,	4.48	1.75	2000	A S	11 77 54	4.45	5.39	317.11 60	4.47	3.18	4.48	9.14	331.43 6	25	28 5.8	4.56	3.28	41.86 6	82	46.70			348.73 6		79	33.37	3 2	58.66	4.54	363.52 6	4.54
	ARY	THUOMA	3.58	V								3.94	6.03	58.36	3.97	3.40	307	4 40	86.21 2	3.97	99.9	72.87	4.01	3.40	276.27 30	3/2	80 08	4.01		291.50 3		0 9 PO			310.60					315.15 3					322.27 3		1.85	324.12	21.0	30.29	4.18	332 56 3	4.16
	JAN		1954	L	1955		Ц	\perp	ᆚ	1957	L	Ш		\perp	DA S	1	L	086	L	L	198	L	Bwg.		Ĺ		total	L	L	Ш		2 3	1	L	Ц	BVG	L	L	886	Ш	F .	1	L	Ļ	Ц	Bvg.	1	L	2,2	L	Ц		Ц
		EAR YE	<u> </u>	= ·	100	2	12	_	2 2	15	2	-	Ξ.	<u>-</u>	7	2 4		2	19		٣	8	1	-	- 8	1	2		۲	7	7	2		=	23	7	74	_	=	22		<u>"</u>		۲	4	1	_	•	f	78	+	8	\dashv

		EXCESS O	9.43		90,	9	Ī	3.58			9.52	T	8.88			0.25	I	13.69		_	<u>8</u>	I	3.28			21.89	ļ	-16.16			5.43		-9.85		-5.16	Ц	17.36	_		8	I	2.75		50	┺	Н	27.52		0.20		dred Years
	Ä	IAUNNA JHTHOM DARBVA	5.62		-	9.02		4 54			5.65		5.60			20.0		6.01		1	3.88		5 14			6.72	Ninety Year	L			533		8		4.43	Н	83	١.	$ \ $	7.4		5.11		8			7.24		4.96		One Hund
	CEMBER	JATOT 3TAO OT	67.40	4,695.75	57.97	4 787 98	58.15	54.52	4,822.50	58.10	4 6 20 24	58 22	67 20	4,957.44	58.32	28.28	58 33	72.17	5,088.19	58.48	46.69	20 P. 27	8187	5,198.55	58.39	80.63	58 64	42.30	5,319.48	58 46	63.95	58.52	48.56	5.431.99	53.18	5,485.18	8 52	5,561.08	58.54	26.87	58.52	61.30	5,679.25	8 8	5,788.34	29.06	86.87	59.3	59.55	5,934.76	59.35
	DECE	THUOMA		387.57	4.78	380 98	477	8.71	399.67	4.62	3.83	2 2	5.44	408.04	4.81	2.79	2 2	1.78	413.61	4.75	2 2	420.b/	10 19	430.86	4.84	7.47	2 2	1.85	440.18	4.84	407	4.83	4.79	449.04	2.14	451.18	8 2	452.91		5.38	3	5.73	84.03	9 5	468.33	4.78	6.87	02.67	2.55	477.75	4.78
	EMBER	TOTAL TO DATE		1,308,18	53.19	4377.02	53.38	45.81	422.83	53.29	63.81	3	61 76	4,548.40	53.51	8 8		70.39		- 1		63 57	51.48	4 765 69	53.55	73.18	2 12	40 45	4,879.30	53.62	59.88	53.89	43.77	4 982 95 53 58	51.05		74 17	5,108.17	53.77	51.48	53 75	55.57	5,215,22	104.70	5,320.01		90.00	54 55	57.00	5,457.01	54.57
	NOVEA	THUOMA	6.83	271.11	3.35	275.76	_	8	_	338	29 8	3 44	5.48		3.46	7 8	3 48	3.23	302.23	3.47	0.76	27.50	346	306.45	3.44	- 1	345	255	R	4.	80 7	3.42	95.9	320.92		L L	242		2	2 5 44			¥ .	2 5	346.71	l ŀ	16.57	367	2.66	365.94	3.661
	OBER	JATOT TO DATE	55.57	6	49.64	-	+-			49.80	4 107 66.14	49 97	56.28	253.84			98	87.16	372.35	20.28	100	27 13		24	50.10	98 88	50.31	37.90	4,586.00	50.18		-	37.21	50 13	47.69	4,709,72	22.47	4,782.19	50.34	20 61 8	50.19	52.51	4.870.74	100 58	4,973.30	50.75	63.43	50.00	23	2,081.07	50.91
	OCTO.	THUOMA	0.53	254.88	3.15	257 64 4	=	8	_	_		9					3 13			3.18	17.1		3.82		3.15	4.28			-			3.28	2.25	303.67	0.43	5	25	29.50	3.22	5	3.20	1 1	310.01		311.74		_	3.15	8	316.24	3.16
	MBER	JATOT ETAG OT		782.19	46.69		1		3,878.23	46.73		3 2			-+		-	61.32			8 8	7 00 W	44 20	4,179.22	46.96	2 5	47 15		4,279.58		43.82			4 358.38	47.26	4,405.62	70.95	4,478.57	47.12	2 2 2	46.99	2	1,580 73	3 8	4,661.58	47.57	63.27	47.73	00°	4,774,83	4/./51
	H	TNUOMA	2,99	45834	200	463.72 3	5.66		\$	9	9.06	5.65	3.16		5.62	3.33		6	488.14	5.61		5 50		496.43	5.58	6.82	5.59		8	3	511 07	8	₽	S	2	72	2 2	31			S	밊	2000	3.58	538.59		L	5.51	3.31	549.24	3.4B
u ř	ST	JATOT TAO OT	49.05	. 1	40.4		1	32.43	412.83	41.12	3 455 10		53.12		41.27			36.3 5				-	39.37			37.76			2	48	बह	-		3,843.86		8	59.36	3,948.26	38	3 979 70	41.46	-	4,025,70	97.27	4,122.97	42.07	55.93	42.21	46.69	4,225,59	42.201
<u> </u>	AUGU	TNUOMA	7.87						3.0	288								3.71	519.96	2.98			5.59				5.96	•	543.41	- 1	- 1	,		556.53			11.74			57450	5.89	1 1	_1_	98		5.96		6.01	2	597.82	4
	H	JATOT 3TA0 OT	41.18	847.41		3 8	1.	28.97	924.33	-	26.40	38.13	8	39		3 036 62		Z	089.26	5 8	813	-		3,151.92			35.60	9	3,231.31	<u> </u>	2 2	-	29	35.35	29	3,328.00		3,375.62		405 11	47	22		2 2	-	38.11	45 23	12	43.49	3,627,77	30.4b
	Tinr	THUOMA		537.39 2	7 80	545.28 2	6.65		551.73 2,	6.65	558 58 2	1	7.03	563.61 2		577 84 3		5.47	578.31	81	•	8 81					6.59							6.58						879 44	6.56			927	641.29	6.54	1.	6.52	ш	651.64	0.341
		TOTAL TO OATE			28.52															- 1		1	1	561.70				8	632.67	g	27 80			2,675.39				_				40.69		81.40		-	40.68	29.68	8	976.13	(Q/'A7
	NOr.	TNUOMA	8	23	2 €	32	27	22	3		439 72 2		8	9/		448 97 2		8	450.27	5.18	50 83	5 23	3.83	183.66 2	5.21	97.0	5.25	5.08	478.02 2	5.25	26.38		5.81	_	1	196.94	2 2	8				5.29		13.50	526.83	5.38	- 1	5.41	7.31	542.54	3.43
		1A101 31A0 01	33	٥,	3 6	917.76	8		1,934.06	23.30	2 4		8		- 1	2 014 81		1	- 1			23.59	21.81	098.04	23.57		23.75	16.97	2,154.65				-	বার	26.83	2,215.05	37.27	252.32	23.71	- 8	12		2,303,03		ន	6	32.28	24.27	30.38	433.59	24.34
	MAY	THUOMA	86	-1	1	387.28 1	22		6	_	Ŀ		10.65	17.80	4 78	41150 2	18/	\$			423 60 2	3 5			-		4.79			4.76	_		g i	4.69 2		441.35 2	1	12	4.67			00.6	2 20 20	14.24	470.83 2	4.80	0.91	111	, ,	478.69 2	4.731
	-	JATOT STAG OT	22.57		20.00	ł				96.96	558.37		19.94	578.31	18.57					90.00					18.78		18.96			18.92				18.84																8	18.331
	APRII		5.49								٦-													11			2.08							4.96					- 1			232			1	•	- 1		5.41	200	(2).(2)
		JATOT STAC OT	8	1,115,72	13.58	129.30	13.77	8.79	98.08	12.7	152.80	13.72	18.95	169.75	13.76	191 09	13.85	18.81	208.90	13.91	2000	13.87	2	231.44	13.84		13.88		1,261 90							1,311.16						24.08	60 /2	35.8	402.09	14.31	29.71	14 46	18.02	70	刻
	MARCH			7 80 7	5 10	12 70 1,	5.03	2.81	15.51	200	22 07 1	5.02	3.58	25.65 1	5.01	30.00	200	10.32	20.3	800	1 20	583	3.45	45.75	501	40 80	200	3.90	53.79	8 8	60 72	5.01		4 99	5.37	1 69.09	8.58	77.67	5.03								7.57		7.84	-	ı
	+		12.04	08.12	8 48	16.60 4	8.74	2.98	22.58 4	7.0	30.73 4	8.70	13.37	44.10 4	8 75	81.07	8 85	8.48	789.56	0.00	78 10	20	25	785.69 4	28.83		8.88	8.70	908.11	888	319 11	9.90	2 30	8 89	15.06	842.07 4	15.11	857.18 4	9.02	858 90 4	8.95	18.05	200	27.89			22.14		19		
	FEBRUARY		4.56																								4.66		424.13	4.86	430 63	4.68	133	4 68	6.38	41.34	10.92	452.26				9.66									
	JANUARY	THUOMA	8		3.59							4.18	11.10	362.36	4.26	367.85	4 28	5.29	373.14	4.29	373 77	4.25	1.75	375.47	4.22	380 28	4.23		383.98				3.57	4 22	8.68	400.73	4.19		4.26			9 39		23.59		0		3 8	8	459.64	_
	₹	YEAR	Ц		1975						lots (L	1978	┙	949	L	١	1		1	1	2			1	3 5	1		$ \ $	- 1	2 F				Ш	ᆚ	1986	le lo	By S	1	Ŀ	Ш	0 5	\perp	Ш	DAR	1992	ļ Ž	1993	ie o	BVD
	-	YEAR No.	-	<u>-</u>	Ť	82		_	3	Ť	2		T	18	+		:			+	5	3	<u> </u>	28	†	8	_	T	<u> </u>	1	8			3	T	2	T	æ	1	8	:	-	÷	T	8	1	8	8	5	3	1

	Ţ	XCESS OF	, ,	5	T	7.47			10.25			.13.97			19.77			-18.40			-14.78			8.83		T	15.63		Γ
		AUNUAL YJHTHOM AVERAGE	197	7	T	5.57			8			3.78			6.59			3.40			3.69			5.86		T	8.24		T
	daga	JATOT STAG O	A3 84	5 9RB 64	25	20	6,055.48	59.37	49.02	6,104.50	59.27	45.18	6,149.66	59.13	79.04	6.228.70	59.32	40.75	6,269.45	59.15	44.23	6,313.68	59.01	87.92	6.381.60		74.86	6.456.46	å
	DECEN	TNUOW	1 1 1	481.50	477	360	485.10	4.76	4.66	489.78	4.75	8.	491.86	4.73	1.74	493.40	4.70	2.78	496.16	4.68	3.27	499.43	4.67	3.02	502.45	4 65	86.4	507.43	2
	ARER	JATOT 3TA0 O	5			63.24	5,570.38	54.61	44.36	5,614.74	54.51	43.28	5,658.00	54.40	77.30	5,735,30	54.62	37.99	5,773.29	54.47	96.04	5,814.25	2.3	96.90	5.879.15	54 44	89.68	5,949.03	5
	NOVEMB	TNUOMA	2.45		3.65	2 99	371.33	3.64	3.42	374.75	3.84	7.26		3.87	3.65	385.66	3.67	0.18	385.82	3.64	13.43	399.25	3.73	3.29	402.54	_	3.99	406.53	3.73
	BER	31A0 01	47.73	5.138.80	50.88	90.25	5,199.05	50.97	40.94	5,239.99	50.87	36.00	5,275,99	50.73	73.85	5,349,64	50.95	37.83	5,387.47	50.83	27.53	5,415.00	50.61	61.61	5,478.61	50.71	665.89	5,542.50	50.85
	OCTOBER	TNUOMA	327	1_	3.16	5.05	321.56	3.15	0.97	322.53	3.13	1.21	323.74	3.11	0.99	324.73	3.09	4.07		3.10	2.53	331.33	3.10	4.35	335.68	3.11	8.78	345.46	3.17
1894	EMBER	JATOT STAG OT	4 46	4,819.29	47.72	58.20	4,877.49	47.82	39.97	4,917.46	47.74	34.79	4,952.25	47.82	72.68	5,024.91	47.86	33.76	5,058.67	47.72	25.00	5,083,87	47.51	57.28	5,140.93	47.80	56.11	5,197.04	47.68
GES IN	SEPTE	TNUOMA	8/2	558.24	5.51	1.20	557.44	5.47	3.11	560.55	5.44	0.52	581.07	5.39	26.90	587.97	5.60	4		2.58	93		5.59	5.82	803.98	5.59	22.42	626.40	5.75
ABLE OF RAINFALL IN MEW ORLEANS SINCE ESTABLISHMENT OF RAIN GAGES IN 1894 RAINFALL AND AVERAGES FOR "YEAR 1894 TO DATE"	JST	JA101 31A0 01	37.46	4,263.05	42.21	27.00		42.35	36.86	1,356.91	42.30	34.27	4,391.18	42.22	45.76	436.94	42.28	29.78	4,466.70	42.14	18.81	4,485,31	41.92	51.64	4,536.95	42.01	33.69		41.93
TABLISHMENT OF RAI "YEAR 1894 TO DATE	AUGUS	TNUOMA	00.4	601.82	5.96	5.99	804.81	533	5.82	610.63	5.93	1 92	812.55	5.89	7.59	620.14	5.91	3.97		288	3.27	8	5.86	7.04	634.42	5.87	5.83	640.05	5.87
STABLISH TYEAR	JULY	JATOT BTA0 OT	33.48	3,661.23	36.25	54.01	3,715.24	36.42	31.04	3,746.28	36.37	32.35	3,778.63	36.33	38.17	3,816.80	36.35	25.79	3,842.59	36.25	•	3,857.93	36.06	- 1	3,902.53	36.13		3,930.59	36.06
SINCE R	3	TNUOMA	9.14	660.78	8.54	7.67	668 45	8.55	7.27	875.72	8.56	8	680.02	2.	5.02	685.04	6.52	28	687.88	6.49	Ē		6.44	7.47	90.769	8.45	5.83	702.89	8.45
ALL IN NEW ORLEANS SINCE ES RAINFALL AND AVERAGES FOR	JUNE	JATOT BTA0 OT	24.32	3,000.45	29.71	46.34	3,046.79	29.87	23.77	3,070.58	29.81	28.05	3,098.61	29.79	33.15	3,131.76	29.83	22.95	3,154,71	29.76	2	3.188.34	29.61	37.13	3,205.47	29.68	22.23	3,227.70	29.61
L IN NEW INFALL A	Ωſ	THUOMA	7.88	550.42	5.45	8	552.40	2 42	2	8	2 42	2	583.14	5.41	3.28	568.42	5.39	10.37	578.79	24.6	8	8		19.08	902.58	5.58	5.49	8	5.58
RAINFAL RA	MAY	JATOT BTA0 OT	16.44	2,450.03	24.26		2,494.39	24.40	-	2,512.28	24.39		2,535.47	24.38		2,565.34	24.43	12.58	2,577,92	24.32	96.0	2,584.86	24.16	18.05	2,602.91	24.10	16.74	2,619.65	24.03
ABLE OF	Σ	THUOMA	6.21	484.90	4.80	20.91	505.81	8	7.4	508.22	6.5	5.48	513.70	4.84	0.74	514 44	8	4.86	318.30	3.	03/	519.67	4 86	202	521.69	4.83	2.27	223.86	4.81
1	RI	JATOT BTAG OT	10.23	1,965.13	19.48	23.45	1,988.58	200	13.46	2,004,04	90.6	17.73	2,021.77	19.44	29.13	2,050,90	19.53	77.72	29 9C0'Z	18.42	6.5/	2,085.19	00.51	16.03	2,081.22	18.27	14.47	2,095.69	19.23
	APR	TNUOMA	1.44	506.52	203	5.17	511.69	70.0	4.92	516.61	20.5	5.43	522.04	200	4.12	526.18	5.01	300	979	8	3	527.35	3	0.53	97.076	¥.89	3.50	2	7.88
	MARCH	JATOT TAO OT	8.79	1,458.61	14.44	18.28	14/6.09	2	500	140/43	14.44	12.30	1,499,73	14.42	25.01	1,524,74	14.52	87	1 532 43	14.40	2.71	133/.64	14.3/	15.50	1303.14	±.38	10.97	1.284.11	14.35
	¥	TNUOMA	5.14	517.80			92/ 28		100	237.00	7	3.50	235.56	0.13	9.28	244.84	5.19	4 18	٦	1	ㅗ	220.77	. 1		362.21	5.21	4.77	۲į	5.20
	UARY	JATOT 3TA0 OT		940.81	9.31	8.49	36.30	10.6	ľ	15.00	97.6	ŀ	55	- 1		979.90		_1_	403.41	1	. L	906.67	3.22	4.06	990.93			6	9.15
	FEBRUARY	TNUOMA		4		- 1	¥	2 2	ľ	400.40	1	- 1	7	1		4	1	_L	4	10.4	ľ	₹		⊥	7		_L	7	4.58
	JANUARY	THUÖMA	3.22	462.86	5.58	25.5	BC 00	5 5	30.00	16.60	4 0	000	8	/C.#	0/01	403.65	3	3.00	400	10.0	200	5	BC 4	3.02	35	4.58	3.97	486.30	4.57
		YEAR	1994	tote:	Ž.	_		900		_	i i	_			_		. S	_	-		•		Ė	•	-	Ž.	_		Š
		YEAR No.		<u></u>			7		Ş	3		-	5		,	3		5	3		5	≧		Ş	3			<u> </u>	

BENCHMARKING 2002 COST OF OPERATIONS IDENTIFICATION PROGRAM

ADMINISTRATIVE SERVICES DEPARTMENT Insurance Cost per Employee:		
Workers' Compensation	\$	2,296.00
Auto Liability		2,613.00
General Liability		1,349.00
	•	
ENGINEERING DEPARTMENT		
Cost to Design a Project		5.8%
ENVIRONMENTAL DEPARTMENT		
Cost of Typical Industry		
Sampling Event	\$	352.56
FACILITY MAINTENANCE DEPARTMENT		
Cost to set 5/8" water meter	\$	64.98
MANAGEMENT SERVICES DEPARTMENT		
FINANCE:		
Cost to Process a Miscellaneous Invoice	\$	
Cost to process a Vendor Invoice	\$	
Cost to process a Paycheck	\$	3.39
TUTODIA TITOLI QUARTIA		
INFORMATION SYSTEMS:	\$	0.57
Cost to Image a Document	7	0.57
Cost to Retrieve a Document	\$	3.47
From the Imaging System Cost to Retrieve a Document	ş	3.47
From the Microfiche Files/Storage	\$	22.41
riom the Microfiche Files/Storage	¥	22.41
PERSONNEL:		
Cost to Hire an Employee	\$	468.93
Cost to complete a Voluntary	•	
Employee Termination	\$	14.44
Employee Turnover Rate	•	13%
Cost to Train an Employee:	\$	286.23
PURCHASING:		
Cost to Process a Sundry Purchase Order	\$	17.54
REVENUE:		
Cost to Read a Meter	\$	0.35
Cost to Render a Bill		
(Less Meter Reading)	\$	0.49
Cost to Manage a Customer by Phone	\$	1.91
Cost to Manage a Customer by Mail	\$	2.42
		2 20
Cost to Manage a Walk-in Customer	\$ \$	3.28 0.28
Cost to Process a Mail-in Payment	ş S	1.19
Cost to Process a Walk-in Payment	Ş	1.19
SUPPORT SERVICES DEPARTMENT		
Average Annual Maintenance Cost		
per Piece of Equipment	Š	1,575.00
Average Percent of Fleet Down for 2002	٧	22%
Average rescent of freet bown for 2002		