



Cherokee County, Georgia

Comprehensive Annual Financial Report

For the Fiscal Year Ended August 31, 2015



Comprehensive Annual Financial Report

For the Fiscal Year Ended August 31, 2015

Prepared by:

The Finance Department

Cherokee County Water & Sewerage Authority- Cherokee County, Georgia

Cherokee County Water & Sewerage Authority

Cherokee County, Georgia

Comprehensive Annual Financial Report

August 31, 2015

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Comprehensive Annual Financial Report

I. Introductory Section

Cherokee County Water & Sewerage Authority- Cherokee County, Georgia

Cherokee County Water & Sewerage Authority

February 10, 2016

Board of Directors, CCWSA
Customers of the Cherokee County Water & Sewerage Authority
And the Citizens of Cherokee County, Georgia

We are pleased to present the Comprehensive Annual Financial Report (CAFR) of the Cherokee County Water and Sewerage Authority for the fiscal year ended August 31, 2015. Cherokee County Water and Sewerage Authority's management are responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America.

The Cherokee County Water & Sewerage Authority has established internal controls over financial reporting that provide reasonable assurance of proper recording of financial transactions and the preparation of financial statements and the accompanying information. To provide a reasonable basis for making these representations, management of the Authority has established a comprehensive internal control network that is designed to protect its assets from theft, loss or misuse. The cost of a control should not exceed the benefits to be derived as the objective is to provide reasonable, rather than absolute assurance, that the financial statements are free of any material misstatements.

The firm AGH, LLC, Certified Public Accountants, conducted an independent audit on the financial statements in accordance with auditing standards generally accepted in the United States of American and the standards applicable to financial audits contained in Government Auditing Standards issued by the Comptroller General of the United States, the financial statements of Cherokee County Water and Sewerage Authority as of and for the year ended August 31, 2015 and the related notes to the financial statements, which collectively comprise Cherokee County Water and Sewerage Authority's basic financial statements, and as a result have issued a clean opinion on the financial statements of the Authority for the year ending August 31, 2015. The auditors' report is located at the front of the financial section of this report.

In accordance with Generally Accepted Accounting Principles, a narrative introduction, overview, and analysis accompany the basic financials statements in the form of Management's Discussion and Analysis (MD&A). This letter of transmittal is designed to complement the contents of the MD&A thus should be read in conjunction with it. Management's Discussion and Analysis is located immediately following the report of the independent auditors on pages 3-7.

It is anticipated that this Comprehensive Annual Financial Report (CAFR) may be read by a variety of users. They typical user of Authority's financial report may vary greatly in terms of informational needs and expertise in governmental accounting

Cherokee County Water & Sewerage Authority

Profile of Cherokee County Water & Sewerage Authority

The Cherokee County Water & Sewerage Authority (CCWSA) was established as a subdivision of the government of the State of Georgia by an act of the Georgia Legislature in 1955. This Authority was created for the express purpose of providing public drinking water and sanitary sewer services to the citizens of Cherokee County. CCWSA has performed this mission since establishment, adding infrastructure and treatment systems in response to growing demands for services.

CCWSA is a public not-for-profit governmental entity tasked with the provision of drinking water and sanitary sewer services to Cherokee County. The Authority has no taxing powers, is not a part of Cherokee County government, and does not receive any tax revenue from county or city governments. CCWSA sells the services of high quality drinking water and efficient sewage conveyance and treatment, the charges for which go to pay on-going operations and maintenance costs. New customer connections fees are designed to repay any moneys the Authority borrows for capital improvement projects such as new or expanded water and sewer lines, or new or expanded treatment facilities.

The Authority owns and operates a water supply, treatment, and distribution system and a sanitary sewer treatment and collection system. The Authority currently pumps raw water from two raw water intakes located on the Etowah River, through the System's raw water pump stations located on the Etowah River, to the System's water treatment plant. The Authority currently owns two raw water pump stations located at the System's two water intakes on the Etowah River with aggregate raw water pumping capacity of 45 million gallons per day ("MGD"). The Authority maintains a raw water storage reservoir, with storage capacity of approximately 15 million gallons. The Authority has a water distribution network of approximately 1,237 miles of pipelines. The water system serves an approximately 300 square mile area containing an estimated population in excess of 180,000 and has approximately 69,302 active water connections.

The sewerage system consists of two active wastewater treatment plants with an aggregate treatment capacity of 11 MGD and a wastewater collection system of 74 wastewater pumping stations and approximately 494 miles of collection sewers. The sewerage system serves an approximately 100 square mile area containing an estimated population in excess of 80,000 and has approximately 31,044 active sewer connections.

Governance

CCWSA is governed by a seven person board of directors. The directors serve four-year terms and there is a term limit of two consecutive terms (8 years). A director who has served the term limit is eligible for reappointment after being off the Board for at least 4 years. The Board members are representative of the citizens of Cherokee County, and must be a customer of CCWSA. Cherokee County is divided into four districts for representation. A member is appointed from each of the four districts. Those members must be a CCWSA customer and represent one of the four respective districts.

Cherokee County Water & Sewerage Authority

Another member must be a CCWSA customer and is deemed the “at-large” member representing the county as a whole. Another member must be a CCWSA customer in one of the cities within the county that has consolidated its water and wastewater systems with the Authority. These six board members are appointed by the Grand Jury of Cherokee County. Candidates for appointment undergo questioning, qualification review and other scrutiny by the Grand Jury during the appointment process. This appointment process is somewhat unique since water/wastewater systems are most often part of a city or county government where appointees are either elected officials or political appointees. The apolitical appointment process has allowed the CCWSA Board to make decisions about water and sanitary sewer services for the citizens of Cherokee County based on need and economic viability instead of political expediency. The Chairman of the Cherokee County Commissioners is automatically the seventh board member by virtue of his/her elected position.

Accounting and Financial Reporting

The accounting and financial reporting treatment applied to governmental entities is determined by measurement focus. The Authority’s operations are accounted for entirely as a proprietary governmental fund type with an economic resources measurement focus. The financial statements are prepared in conformity with generally accepted accounting principles on the accrual basis of accounting whereby revenue is recognized when earned, expenses are recorded when incurred and all long-term assets, receivables, debt and other obligations are recognized.

Operating Budget

The Authority is not legally required to adopt a budget. The staff of the Authority, however, prepares an annual operating budget for management control purposes. The Authority uses the accrual basis of accounting in its annual operating budget. The Authority’s Board of Directors approves the budget and any changes made thereto.

Current Economic Environment

Local & National Environment

Cherokee County Water & Sewerage Authority supplies water to a geographic area of approximately 300 square miles containing a population in excess of 180,000. In addition, CCWSA provides sewer supplies to a geographic area of approximately 100 square miles containing a population in excess of 80,000. Prior to the national economic downturn, Cherokee County experienced rapid growth. As demonstrated on page 58, within the revenue capacity section, approximately 3,000 new meters were installed annually in year 2006. As the economic downturn became even more evident nationally and in the region there was a significant decrease of growth in the area along with minimal construction activity. In return, the number of new meters set and sold declined

Cherokee County Water & Sewerage Authority

in years 2007 thru 2012 significantly from the amount sold prior to the downturn of the economy. However, in 2013 Cherokee County began to experience a slow return of growth and an uptick in the construction activity in the area. As a result, there was a more substantial increase of new connections beginning in 2013 and continuing through 2015. Currently, there is every indication for the near future CCWSA will continue to see an increase in new water and sewer connections as the projections continue to incorporate an increase in growth and construction activity.

Continuous Improvement

The staff of the Authority has developed a multi-year capital improvements program and a plan to finance the program which relies on a combination of system revenues and proceeds of debt and investment earnings on such proceeds. The capital improvements program allows the staff of the Authority to plan, on a long-term basis, for future system capital needs. The capital improvements program is updated on an annual basis. Please refer to the Management's Discussion and Analysis (MD&A) on page 6 for more detailed information.

Long Term Financial Planning & Considerations

When the need arises, the Authority incurs capital financing debt thru the issuance of revenue bonds. The Authority makes sinking fund deposits monthly for all issues. Annual totals are at least equal to the principal installments of and interest payable on the bonds in the current sinking fund year.

The various resolutions providing for the revenue bonds require that the Authority establish and maintain a schedule of rates, fees, and charges for services furnished by the systems to produce in each sinking fund year "net system revenues" in an amount at least equal to 1.20 times the highest annual amount of principal and interest payable on the bonds during any future sinking fund year. Effective with the issuance of the Series 2001 bonds, the Authority's annual net system revenues exclusive of water connection and sewer tap fees must be no less than this highest annual amount of debt service payable during any future sinking fund year.

The Authority currently will continue to rely on operating revenues and connection fees contributions to fund capital improvements on a pay-as-you-go basis. If the need arises, the Authority's Capital Improvement Program will be funded through issuance of new debt.

Major Initiatives

The Cherokee County Water & Sewerage Authority has experienced growth in its customer base. Current trends indicate that this growth will continue throughout the county, thereby requiring additional wastewater treatment capacity. To satisfy present

Cherokee County Water & Sewerage Authority

and future wastewater treatment needs, the Authority is progressing with plans to build the Riverbend Environmental Complex.

The Riverbend Complex includes a 4.5 MGD fresh water withdrawal permit that has been converted from an Industrial permit to a 4.5 MGD potable water withdrawal permit. The Authority is presently, constructing improvements to include a raw water intake on the Etowah River and an existing raw water pumping station for this intake. The intake is located approximately one mile downstream from the Authority's other two raw water intakes on the Etowah River. The improvements will upgrade the pumping station and tie the raw water delivery pipeline into the Authority's existing water treatment plant and will provide an additional 4.5 MGD of raw water capacity. The Authority expects these improvements to be completed and operational by the second quarter of 2016.

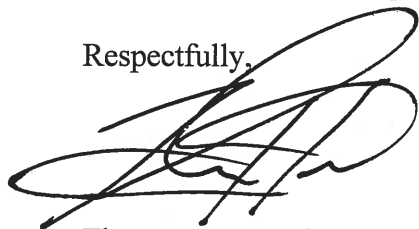
Awards and Acknowledgements

The Government Finance Officers Association of the United States and Canada (GFOA) awarded a Certificate of Achievement for Excellence in Financial Reporting to Cherokee County Water & Sewerage Authority for its comprehensive annual financial report for the fiscal year ended August 31, 2014. In order to be awarded a certificate of Achievement, a government must publish an easily readable and efficiently organized comprehensive annual financial report. This report must satisfy both generally accepted accounting principles and applicable legal requirements.

A Certificate of Achievement is valid for a period of one year only. We believe that our current comprehensive annual financial report continues to meet the Certificate of Achievement Program's requirements and we are submitting it to the GFOA to determine its eligibility for another certificate.

It is our pleasure to express gratitude to the management of each department of the Authority. Thanks should also be expressed to the staff of the Finance Department for the dedication to the financial integrity of the Authority that makes this report possible. It truly is a commitment from each staff member to assist in compiling the information and assure that each transaction is properly and accurately accounted for. Finally, an enormous amount of thanks is expressed to the Board of the Authority. The Board of Directors' leadership, vision and professionalism is of highest integrity. The support received from the Board is greatly appreciated and is of utmost importance to the financial integrity and operations of the Authority.

Respectfully,



Thomas A. Heard
General Manager



Beth Williams
Accounting Manager

Cherokee County Water & Sewerage Authority

Listing of Principal Officials and Consultants

CCWSA Board Members

Mike Byrd

Chris Wilbanks

Robert Morrison

Gary Winchester

Steven Woodruff

Doug Dabbs

Buzz Ahrens

General Manager

Thomas Heard

Management

Ryan Sarks-Human Resources/Risk/Fleet & Safety
Manager

Mike Venters- Waste Water Facilities Manager

Beth Williams-Accounting Manager

Clint Blackwell-Water Treatment Manager

Wesley Banks-Financial Assurance/Billing/IT
Manager

Mark Cochran-Reservoir Manager

Sharon Clark-Data Systems Analyst

Randy Mitchell-Waste Water Collections/Lift Station
Manager

Dwight Turner-Public Information/Meter
Technician/Customer Service Manager

Rick Dobbs- Special Projects Manager

David Kubala- Environmental Affairs Manager

Jeff Hooper- GPS/GIS Coordinator

Bill Graham- Construction/Distribution Manager

Dan Carson- Construction Planning Coordinator

Dwayne Fowler-Waste Water Planning Coordinator

Consultants and Professional Services

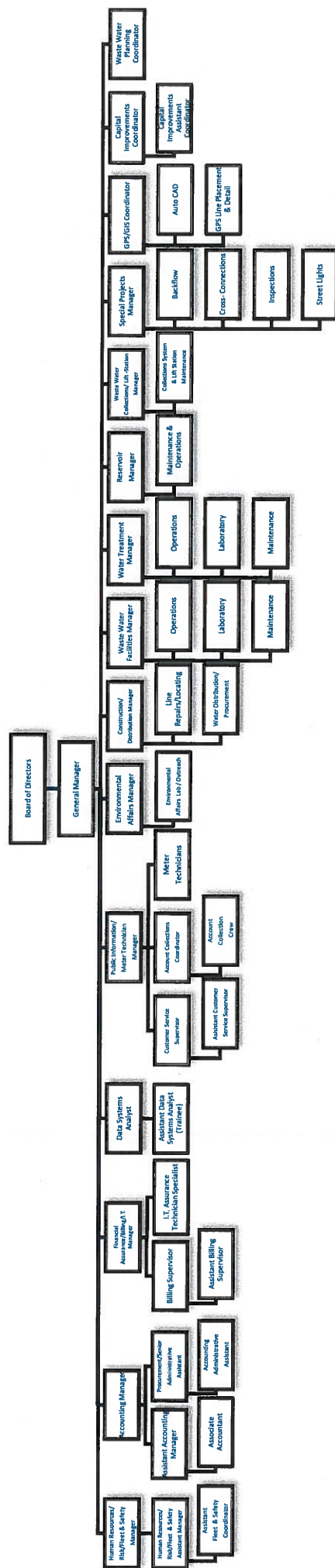
Legal Counsel:

Roach, Caudill & Gunn, LLP, Canton, Georgia

Auditors:

AGH, LLC, Atlanta, GA

Cherokee County Water and Sewerage Authority





Government Finance Officers Association

**Certificate of
Achievement
for Excellence
in Financial
Reporting**

Presented to

**Cherokee County Water & Sewerage
Authority, Georgia**

For its Comprehensive Annual
Financial Report
for the Fiscal Year Ended

August 31, 2014

A handwritten signature in black ink, reading "Jeffrey R. Evers". The signature is written in a cursive, flowing style.

Executive Director/CEO

Comprehensive Annual Financial Report

II. Financial Section

Cherokee County Water & Sewerage Authority- Cherokee County, Georgia



B U S I N E S S A D V I S O R S
C E R T I F I E D P U B L I C A C C O U N T A N T S

INDEPENDENT AUDITORS' REPORT

Cherokee County Water and Sewerage Authority
Canton, Georgia

Report on the Financial Statements

We have audited the accompanying financial statements of Cherokee County Water and Sewerage Authority as of and for the year ended August 31, 2015, and the related notes to the financial statements, which collectively comprise Cherokee County Water and Sewerage Authority's basic financial statements as listed in the table of contents.

Management's Responsibility for the Financial Statements

Cherokee County Water and Sewerage Authority's management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditors' Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of Cherokee County Water and Sewerage Authority as of August 31, 2015, and the changes in its financial position and its cash flows for the year then ended in conformity with accounting principles generally accepted in the United States of America.

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Members of The American Institute of CPAs, Georgia Society of CPAs and Geneva Group International

Emphasis of Matter

As discussed in Note B of the financial statements, Cherokee County Water and Sewerage Authority adopted the provisions of GASB Statement No. 68, *Accounting and Financial Reporting for Pensions - An Amendment of GASB Statement No. 27* and GASB Statement No. 71, *Pension Transition for Contributions Made Subsequent to the Measurement Date - An Amendment of GASB Statement No. 68*. Our opinion is not modified with respect to this matter.

Other Matters**Required Supplementary Information**

Accounting principles generally accepted in the United States of America require that management's discussion and analysis and the postemployment benefit information on pages 3 through 7 and pages 32 through 34 be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board, who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with evidence sufficient to express an opinion or provide any assurance.

Other Information

Our audit was conducted for the purpose of forming an opinion on the basic financial statements. The information listed as Other Supplementary Schedules in the table of contents on pages 36 through 46 is presented for purposes of additional analysis and is not a required part of the basic financial statements.

This information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the basic financial statements. It has been subjected to the auditing procedures applied in the audit of the basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the information listed as Other Supplementary Schedules in the table of contents is fairly stated, in all material respects, in relation to the financial statements as a whole.

Other Reporting Required by Government Auditing Standards

In accordance with *Government Auditing Standards*, we have also issued our report dated November 27, 2015 on our consideration of the Cherokee County Water and Sewerage Authority's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and other matters. The purpose of that report is to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on the internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering Cherokee County Water and Sewerage Authority's internal control over financial reporting and compliance.

AGH, LLC

AGH, LLC
November 27, 2015

Cherokee County Water & Sewerage Authority

MANAGEMENT'S DISCUSSION AND ANALYSIS

AUGUST 31, 2015

Our discussion and analysis of Cherokee County Water and Sewerage Authority's financial performance provides an overview of the Authority's financial activities for the fiscal year ended August 31, 2015. Please read it in conjunction with the Authority's financial statements that begin on page 8.

USING THIS ANNUAL REPORT

This annual report consists of a series of financial statements. The Statement of Net Position and the Statements of Revenues, Expenses and Changes In Net Position (on pages 10-11) provide information about the activities of the Authority and present a long-term view of the Authority's finances.

One of the most important questions asked about the Authority's finances is "Is the Authority as a whole better off or worse off as a result of the year's activities?" The Statement of Net Position and the Statement of Revenues, Expenses and Changes in Net Position report information about the Authority and about its activities in a way that helps answer this question. These two statements include all assets and liabilities using the accrual basis of accounting, which is similar to the basis that is used by most private-sector companies. All of the current year's revenues and expenses are taken into account regardless of when cash is received or paid.

These two statements report the Authority's Net Position and the changes in it. You can think of the Authority's net position – the difference between assets and liabilities – as one way to measure the Authority's financial health. Over time, increases or decreases in the Authority's net position are one indicator of whether its financial health is improving or deteriorating. You will need to consider other nonfinancial factors, however, to assess the overall health of the Authority.

THE AUTHORITY AS A WHOLE

The Authority's Net Position increased in 2015 by approximately \$17.0 million, from the beginning of the year, \$315.6 million to \$332.6 million. Approximately \$8.3 million of the increase in 2015 was donated assets attributable to contributions by developers, primarily of water and sewer lines. In addition, the increase in net position can be attributed to sewer tap and water meter connections of approximately \$8 million. The following tables focus on the Authority's net position (Table 1) and changes in its net position (Table 2).

As more fully described in footnotes to the financial statements, the Authority adopted GASB Statements No. 68, *Accounting and Financial Reporting for Pensions—An Amendment of GASB Statement No. 27*, effective for fiscal years after June 15, 2014 and No. 71, *Pension Transition for Contributions Made Subsequent to the Measurement Date – An Amendment of GASB Statement No. 68*, effective simultaneously with GASB No. 68. In accordance with GASB 68 and 71, balances at August 31, 2014 were restated to record the net pension liability for the Authority as well as to record deferred outflows for pension contributions made for FY 2014 after the measurement date on September 30, 2013.

The tables on the following page focus on the Authority's Net Position (Table 1) and changes in its Net Position (Table 2).

Cherokee County Water & Sewerage Authority

MANAGEMENT'S DISCUSSION AND ANALYSIS

AUGUST 31, 2015

Table 1 - Condensed Statement of Net Position (in thousands)

	8/31/2015	8/31/2014 (restated)	\$ Change	% Change
Other assets	\$ 53,640	\$ 47,307	\$ 6,333	13.4%
Capital assets	442,739	439,360	3,379	0.8%
Total Assets	496,379	486,667	9,712	2.0%
Deferred Outflows of Resources	6,941	6,819	122	1.8%
Current liabilities	15,513	14,748	765	5.2%
Long-term liabilities and debt	154,724	163,169	(8,445)	-5.2%
Total Liabilities	170,237	177,917	(7,680)	-4.3%
Deferred Inflows of Resources	470	-	470	
Net investment in capital assets	291,425	281,152	10,273	3.7%
Restricted net position	4,949	4,931	18	0.4%
Unrestricted net position	36,239	29,486	6,753	22.9%
Total Net Position	\$ 332,613	\$ 315,569	\$ 17,044	5.4%

Table 2 - Condensed Statement of Revenues, Expenses and Changes in Net Position (in thousands)

	8/31/2015	8/31/2014	\$ Changes	% Change
Operating Revenues:				
Water sales	\$ 25,980	\$ 24,286	\$ 1,694	7.0%
Wastewater treatment sales	15,608	14,538	1,070	7.4%
Connection fees	373	292	81	27.7%
Other	2,482	2,266	216	9.5%
Non-Operating Revenues:				
Interest	147	229	(82)	-35.8%
Other	1,007	1,090	(83)	-7.6%
Total Revenues	45,597	42,701	2,896	6.8%
Operating Expenses:				
Water	3,447	3,416	31	0.9%
Wastewater	8,327	8,124	203	2.5%
Distribution and administration	12,898	12,101	797	6.6%
Depreciation	11,220	10,923	297	2.7%
Other	1,051	1,036	15	1.4%
Non-Operating Expenses:				
Interest	7,553	7,845	(292)	-3.7%
Other	460	399	61	15.3%
Total Expenses	44,956	43,844	1,112	2.5%
Increase (deficit) before contributions	641	(1,143)	1,784	-156.1%
Contributed capital	16,403	10,515	5,888	56.0%
Increase in Net Position	\$ 17,044	\$ 9,372	\$ 7,672	81.9%

P.O. Box 5000 ~ Canton, Georgia 30114 ~ 770-479-1813

Cherokee County Water & Sewerage Authority

MANAGEMENT'S DISCUSSION AND ANALYSIS

AUGUST 31, 2015

The Authority's revenues increased in 2015 by approximately \$2.9 million or 6.8% (\$ 45.6 million in 2015 compared to \$42.7 million in 2014). Total Expenses increased \$1.1 million to \$44.9 million or an approximate 2.5% in 2015. The factors driving these results include:

- The number of water customers in 2015 and 2014 grew by 2.0% and 2.1% respectively. Wastewater customers grew by 3.4% in 2015 compared to 3.7% in 2014. The growth of the water and wastewater customers can be attributed to the return of population growth that is occurring throughout Cherokee County specifically in the areas served by CCWSA's sewer system. The Authority's revenues as displayed in Table 2 above shows total revenues increasing by approximately \$2.9 million in FY 2015. Water sales increased approximately 7.0% as compared with prior year and sewer sales revenue increased approximately 7.4% as compared with the prior year. The Authority experienced an increase in water sales attributable to the further addition of customers to its customer base. Also, weather patterns and environmental factors drive revenue results. For FY 2015 these driving factors were not as extreme, for example, significantly cooler temperatures during the summer were not a factor or exceptionally rainy seasons as in previous years were not a factor. These along with other indicators aided in water and sewer sales results being on target with the Authority's budget and forecasts. Additionally, the CCWSA Board of Directors approved a revision to the Water and Sewer Rate Structure effective May 1, 2014.
- Total Expenses of the Authority increased by approximately \$1.1 million to \$44.9 million. In regards to departmental expense increases in FY 2015, distribution and administration increased (6.6%). The majority of the increases in the distribution and administration costs were primarily recognized in increased employee costs of approximately \$491,000. Wastewater Treatment Facilities expenses increased (2.5%). The primary driving factor for the increase in wastewater treatment facilities expenses were recognized in increased employee costs of approximately \$ 288,000. Water Treatment Facilities expenses increased approximately 1% in FY 2015. Water Treatment Facilities costs were primarily associated with maintenance expenses increases of approximately \$74,000.00.
- Non-Operating expenses decreased approximately 3.7% in FY 2015. The driving factor of this decrease is the amount of interest for debt service and a flat amortization compared to the prior year of the deferred amounts on refunding. Non-Operating Revenues consist of a change in the fair market value of the 1993 & 1995 debt service forward delivery agreements improved in the amount of \$178,641 in FY 2015.
- The Authority has noted an increase in capital contributions revenues of approximately \$5.8 million or 56.0% in 2015. The significant increase was noted in the increase in donated lines from developers, which were approximately \$4.4 million for the year ending August 31, 2014 and \$8.3 million for the year ending August 31, 2015. Management of the Authority attributes the increase of contributions from developers due to an increase in new construction activity in Cherokee County. In addition to donated lines, the Authority noted an increase in sewer tap fees contributions of approximately \$1.5 million compared to FY 2014. Sewer tap fees in FY 2014 were \$4,328,898 compared to sewer tap fees contributions in FY 2015 of \$5,847,315. Also, the Authority noted a slight increase of approximately \$480,545 in meter connection fee contributions. The increases in meter connection fee contribution can be attributed to an increase of connections sold by the Authority in FY 2015. In FY 2015 there were approximately 300 more meter connections sold than in the previous fiscal year.

Management of the Authority attributes the increase in the growth of Net Position in 2015 primarily to capital contributions which include developer contributions valued at \$8.3 million as well as water meter connections and sewer tap fees for approximately \$8.1 million.

P.O. Box 5000 ~ Canton, Georgia 30114 ~ 770-479-1813

Cherokee County Water & Sewerage Authority

MANAGEMENT'S DISCUSSION AND ANALYSIS

AUGUST 31, 2015

CAPITAL ASSET AND DEBT ADMINISTRATION

Capital Assets

At August 31, 2015 and 2014, the Authority had \$442.7 million and \$439.4 million, respectively, invested in a range of capital assets including equipment, buildings, land and water and sewer lines (see Table 3). This represents a net increase after additions and disposals of approximately \$3.4 million in 2015.

Table 3 - Capital Assets at Year End
(Net of Depreciation - in thousands)

	<u>8/31/2015</u>	<u>8/31/2014</u>
Land and easements	\$ 6,635	\$ 5,989
Construction in progress including structures, improvements & equipment not in service	<u>27,697</u>	<u>23,896</u>
Total Nondepreciable	<u>34,332</u>	<u>29,885</u>
 Structures and improvements	 552,099	 543,167
Machinery and equipment	8,261	7,344
Office furniture and equipment	<u>326</u>	<u>232</u>
Total Depreciable	<u>560,686</u>	<u>550,743</u>
 Less depreciation	 <u>(152,280)</u>	 <u>(141,268)</u>
 Net Capital Assets	 <u>\$ 442,738</u>	 <u>\$ 439,360</u>

The staff of the Authority has developed a multi-year capital improvements program and a plan to finance the program which relies on a combination of system revenues and proceeds of debt and investment earnings on such proceeds. The capital improvements program allows the staff of the Authority to plan, on a long-term basis, for future system capital needs. Each year the capital improvements program is updated.

The Authority's fiscal year 2016 capital improvement program calls for it to spend \$13.4 million for capital projects in 2015-2016, principally for upgrades and improvements to water & wastewater treatment facilities and for utility relocations within the water system. The capital improvements program allows the staff of the Authority to plan, on a long term basis, for future System capital needs. In connection with existing construction projects, the Authority has outstanding agreements with contractors for approximately \$4.6 million in future work at August 31, 2015. Capital disbursements will be financed by a combination of resources on hand, future system revenues and the proceeds from future revenue bonds. More detailed information about the Authority's capital assets is presented in Note E in the financial statements. Each year the capital improvements program is updated and reviewed on an ongoing basis throughout the year.

Cherokee County Water & Sewerage Authority

MANAGEMENT'S DISCUSSION AND ANALYSIS

AUGUST 31, 2015

Debt Administration

At year-end 2015 and 2014, the Authority had \$155.7 million and \$163.2 million (net of discounts and premiums) in revenue bonds outstanding, respectively. The net decrease of \$7.5 million is due primarily to the repayment of the Authority's previously issued debt net of amortization of the premiums from the issuance of revenue refunding bonds. Additional information is presented in Note F of the financial statements.

The Authority's Revenue Bonds have been assigned ratings by Moody's Investors Service, Inc. and Standard and Poor's Rating Services of Aa2 and AA, respectively. Standard & Poor's upgraded the Authority's rating from AA- to AA in May 2011. These very high ratings reflect the rating agencies' consideration of factors such as financial liquidity, debt service coverage and the growth rate of the Authority's customer base.

The Authority's other significant obligations include customer deposits, accounts payable, net pension liability and accrued interest, salaries and other expenses as can be seen on the Statement of Net Position.

ECONOMIC FACTORS AND NEXT YEARS BUDGET

The 2016 budget and capital improvement program have been prepared taking into account that economic and population growth for the Authority's service area is expected to increase at a more steady pace than in prior years due to new construction activity in the Authority's service area. Other factors affecting next year's and future budgets are listed below.

- The Authority does not anticipate the Board passing rate increases for the water or wastewater rates during FY 2016. However, rates are analyzed on a regular basis and will be adjusted if deemed necessary. The Authority anticipates the customer base to increase by adding approximately 1,600 new water customers to the system during the year at tap-on fees of \$1,700 for regular residential and sprinkler meters and commercial tap-ons sold at varying rates. The Authority estimates an addition of approximately 1,100 new wastewater treatment customers to the system during the year at tap-on fees starting at \$4,500.
- The Authority's Capital Improvement Program is funded through issuance of new debt, capital contributions from tap fees and developers, and operating revenue in excess of operating expenses and debt service expenses. The Authority will continue to rely on operating revenues to fund capital improvements on a pay-as-you-go basis.

CONTACTING THE AUTHORITY'S FINANCIAL MANAGEMENT

This financial report is designed to provide our customers and creditors with a general overview of the Authority's finances and to show the Authority's accountability for the money it receives. If you have questions about this report or need additional information, contact the office of the Authority's Finance Department at 140 W. Main Street, Canton, Georgia 30114.

CHEROKEE COUNTY WATER AND SEWERAGE AUTHORITY
STATEMENT OF NET POSITION
AS OF AUGUST 31, 2015

ASSETS

Current Assets

Cash and cash equivalents	\$ 41,450,541
Accounts receivable	5,841,385
Accrued interest receivable	5,401
Prepaid expenses	441,630
Inventories	361,316
Restricted assets in revenue bond sinking fund:	
Cash and cash equivalents	<u>1,209,310</u>
Total Current Assets	<u>49,309,583</u>

Noncurrent Assets

Restricted assets in revenue bond debt service reserve:	
Cash and cash equivalents	3,026,896
Investments	<u>1,295,443</u>
Total restricted assets in revenue bond debt service reserve	<u>4,322,339</u>
Unamortized street light costs	<u>8,879</u>
Capital assets:	
Land and easements	6,635,019
Construction-in-progress	27,696,926
Structures and improvements	552,099,046
Machinery and equipment	8,260,638
Office furniture and equipment	<u>326,069</u>
Total capital assets	595,017,698
Less: accumulated depreciation	<u>(152,279,729)</u>
Net capital assets	<u>442,737,969</u>
Total Noncurrent Assets	<u>447,069,187</u>

Total Assets	<u>496,378,770</u>
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DEFERRED OUTFLOWS OF RESOURCES

Deferred amount on refunding	5,294,008
Deferred pension contribution	1,175,899
Deferred increase in net pension liability	<u>471,135</u>
Total Deferred Outflows of Resources	<u>6,941,042</u>

See Independent Auditors' Report and Accompanying Notes

CHEROKEE COUNTY WATER AND SEWERAGE AUTHORITY
STATEMENT OF NET POSITION
AS OF AUGUST 31, 2015

LIABILITIES

Current Liabilities

Trade accounts payable	\$ 1,419,586
Construction accounts and retainage payable	1,008,895
Accrued salaries and vacations	817,478
Unearned revenues	208,954
Unearned sewer connection fees	32,953
Customer deposits	4,312,480
Payable from restricted assets:	
Current portion of long-term debt	7,130,000
Revenue bond interest payable	582,399
	<hr/>
Total Current Liabilities	15,512,745

Noncurrent Liabilities

Unearned interest income	171,518
Revenue bonds payable, less current portion, net	148,582,494
Net pension liability	5,292,660
Other long-term liabilities	678,054
	<hr/>
Total Noncurrent Liabilities	154,724,726

Total Liabilities	<hr/> 170,237,471 <hr/>
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DEFERRED INFLOWS OF RESOURCES

Deferred decrease in net pension liability	<hr/> 469,651 <hr/>
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NET POSITION

<u>Net Investment in Capital Assets</u>	291,424,715
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Restricted For:

Debt service	626,911
Bond retirement	4,322,339

<u>Unrestricted</u>	<hr/> 36,238,725 <hr/>
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Total Net Position	<hr/> \$ 332,612,690 <hr/>
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CHEROKEE COUNTY WATER AND SEWERAGE AUTHORITY
STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET POSITION
FOR THE YEAR ENDED AUGUST 31, 2015

Operating Revenues

Metered water sales	\$ 25,980,155
Wastewater treatment sales	15,607,818
Street light fees	1,342,068
Water connection fees	373,344
Transfer fees	211,450
Forfeited discounts and penalties	691,754
Customer repairs and service charges	<u>236,301</u>

Total Operating Revenues	<u>44,442,890</u>
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Operating Expenses

Water purchases and production	3,446,719
Wastewater treatment	8,327,094
Street lights	1,051,386
Distribution and administration	12,902,290
Depreciation	<u>11,219,757</u>

Total Operating Expenses	<u>36,947,246</u>
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Income from Operations	<u>7,495,644</u>
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Non-Operating Revenues

Interest:

Sinking funds	98,269
Revenue funds	48,656
Change in fair value of derivative	178,641
Amortization of bond premiums, net	694,709
Miscellaneous	<u>133,766</u>

Total Non-Operating Revenues	<u>1,154,041</u>
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CHEROKEE COUNTY WATER AND SEWERAGE AUTHORITY
STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET POSITION
FOR THE YEAR ENDED AUGUST 31, 2015

Non-Operating Expenses

Interest	\$ 7,536,328
Paying agent fees	16,332
Loss on disposition of capital assets, net	56,913
Amortization of deferred amount on refunding	398,909
	<hr/>
Total Non-Operating Expenses	8,008,482

Capital Contributions

Sewer tap fees	5,847,315
Water connection fees	2,224,156
Donated assets	8,331,124
	<hr/>
Total Capital Contributions	16,402,595

<u>Increase in Net Position</u>	17,043,798
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Net Position, beginning of year as restated	<hr/> 315,568,892
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Net Position, end of year	<hr/> <hr/> \$ 332,612,690
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CHEROKEE COUNTY WATER AND SEWERAGE AUTHORITY
STATEMENT OF CASH FLOWS
FOR THE YEAR ENDED AUGUST 31, 2015

INCREASE (DECREASE) IN CASH AND CASH EQUIVALENTS

<u>Cash flows from operating activities:</u>	
Cash received from customers	\$ 44,786,383
Cash paid to suppliers	(16,994,152)
Cash paid to employees	(9,261,122)
	<hr/>
Net cash provided by operating activities	18,531,109
	<hr/>
<u>Cash flows from investing activities:</u>	
Interest received	126,929
	<hr/>
<u>Cash flows from capital and related financing activities:</u>	
Revenue bond principal payments	(6,835,000)
Interest paid on revenue bonds	(7,586,105)
Capital expenses	(5,972,536)
Proceeds from sewer tap and water connection fees	8,071,471
Paying agent and broker fees	(16,332)
Proceeds from disposal of equipment and scrap	48,898
	<hr/>
Net cash used in capital and related financing activities	(12,289,604)
	<hr/>
Net change in cash and cash equivalents	6,368,434
<u>Cash and cash equivalents:</u>	
Beginning of year	39,318,313
	<hr/>
End of year	\$ 45,686,747
	<hr/>
Classified as:	
Cash and cash equivalents	\$ 41,450,541
Restricted cash and cash equivalents:	
Current	1,209,310
Noncurrent	3,026,896
	<hr/>
	\$ 45,686,747
	<hr/>

See Independent Auditors' Report and Accompanying Notes

CHEROKEE COUNTY WATER AND SEWERAGE AUTHORITY
STATEMENT OF CASH FLOWS
FOR THE YEAR ENDED AUGUST 31, 2015

INCREASE (DECREASE) IN CASH AND CASH EQUIVALENTS

Reconciliation of Income From Operations to Net Cash
Provided By Operating Activities:

Income from operations	\$ 7,495,644
Adjustments to reconcile income from operations to net cash provided by operating activities:	
Depreciation	11,219,757
Miscellaneous revenue	133,766
Pension expense adjustment	(472,028)
(Increase) decrease in:	
Accounts receivable	67,601
Prepaid expenses	(3,769)
Inventories	(29,297)
Deferred pension contribution	(50,110)
Increase in:	
Trade accounts payable	(63,986)
Accrued salaries and vacations	91,405
Unearned revenues	26,011
Customer deposits	116,115
	<hr/>
Net Cash Provided By Operating Activities	<u>18,531,109</u>
Non-Cash Capital and Related Financing Activities:	
Acquire contributed capital assets	8,331,124
Change in fair value of investment derivatives	178,641
	<hr/>
	<u>\$ 8,509,765</u>

CHEROKEE COUNTY WATER AND SEWERAGE AUTHORITY
NOTES TO FINANCIAL STATEMENTS
AUGUST 31, 2015

Note A – Organization

Cherokee County Water and Sewerage Authority (the “Authority”) is a public corporation and body corporate and politic, an independent governmental unit created and existing under the laws of the State of Georgia. The Authority was created by an act of the General Assembly of the State of Georgia that became effective on March 7, 1955. The Authority Act declared that the general purpose of the Authority is to acquire adequate sources of water supply, treat such water and distribute it to the water system throughout Cherokee and adjoining counties. The Authority Act states that this general purpose will not restrict the Authority from selling and delivering water directly to consumers in those areas where water distribution systems do not exist and where no other county or municipality deems it desirable or feasible to furnish water. The Authority Act also provides that the general purpose of the Authority includes sewerage projects.

The Authority Board is composed of seven members. Six members are appointed by the Cherokee County Grand Jury for staggered terms of four years and the seventh member is the current chair of the Cherokee County Commission. The Authority is a fiscally independent entity with self-sustaining operations. No other government is financially accountable for the Authority. The Authority has no taxing power; however, it does have the ability to establish the rates it charges customers. Thus, the Authority is considered a reporting entity in conformity with the Governmental Accounting Standards Board’s (“GASB”) definition.

Note B – Summary of Significant Accounting Policies

Measurement Focus and Basis of Accounting

The accounting and financial reporting treatment applied to governmental entities is determined by measurement focus. The Authority's operations are accounted for entirely as a proprietary governmental fund type with an economic resources measurement focus. The financial statements are prepared in conformity with generally accepted accounting principles on the accrual basis of accounting whereby revenue is recognized when earned, expenses are recorded when incurred and all long-term assets, receivables, debt and other obligations are recognized.

Income from operations reported in the Authority’s financial statements includes revenues and expenses related to its primary continuing operations. Principal operating revenues are charges to customers for sales or services. Principal operating expenses are the costs of providing goods and services and include administrative expenses and depreciation of capital assets. Other revenues and expenses are classified as non-operating in the financial statements.

The Authority’s fund equity (i.e., net position) is divided into three components:

Net investment in capital assets consists of the historical cost of capital assets less accumulated depreciation and less any debt that remains outstanding that was used to finance those assets, plus deferred outflows of resources less deferred inflows of resources related to those assets.

Restricted net position consists of assets that are restricted by the Authority’s creditors through debt covenants.

All other net position is reported as unrestricted.

The Authority first utilizes restricted resources to finance qualifying activities.

CHEROKEE COUNTY WATER AND SEWERAGE AUTHORITY
NOTES TO FINANCIAL STATEMENTS
AUGUST 31, 2015

Note B – Summary of Significant Accounting Policies (continued)

Implementation of New Accounting Principles

In compliance with GAAP, as of September 1, 2014 the Authority adopted GASB Statement No. 68 ("GASB 68"), *Accounting and Financial Reporting for Pensions - An Amendment of GASB Statement No. 27* and GASB Statement No. 71 ("GASB 71"), *Pension Transition for Contributions Made Subsequent to the Measurement Date - An Amendment of GASB Statement No. 68*. The objective of GASB 68 is to improve accounting and financial reporting by state and local governments for pensions. It establishes standards for measuring and recognizing liabilities, deferred outflows and inflows of resources and pension expense. GASB 71 was issued to address the application of the transition provisions of GASB 68 associated with contributions made by a state or local government employer or non-employer contributing entity to a defined benefit pension plan after the measurement date of the government's beginning net pension liability.

The provisions of these statements are effective for financial statement periods beginning after June 15, 2014; the September 1, 2014 net position in the accompanying financial statements is restated as follows:

Net position, as previously stated	\$320,156,197
Restated due to recognition of:	
Net pension liability	(5,713,094)
Deferred pension contributions	<u>1,125,789</u>
Net position, as restated	<u><u>\$315,568,892</u></u>

The Authority also adopted GASB Statement No. 69 titled *Government Combinations and Disposals of Government Operations* which is effective for financial statement periods beginning after December 15, 2013 and had no effect on these financial statements.

Use of Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States requires management to make estimates and assumptions that affect various amounts reported in the financial statements and accompanying notes. Actual results could differ from those estimates.

Cash Equivalents

The Authority considers all highly liquid investments with an original maturity of three months or less at the time of investment to be cash equivalents.

Accounts Receivable and Revenue Recognition

The Authority bills its customers on a cyclical basis throughout the month based on meter readings taken during the previous month.

The Authority records receivables at the amount it expects to collect on balances due at the end of the year. Advance deposits are obtained from customers, but the Authority does not obtain collateral or other security for any of its trade accounts or other amounts receivable. Accordingly, it is exposed to credit losses in the event of nonperformance. Management closely monitors outstanding balances and writes off uncollectible amounts as of year-end in accordance with approved policies.

CHEROKEE COUNTY WATER AND SEWERAGE AUTHORITY
NOTES TO FINANCIAL STATEMENTS
AUGUST 31, 2015

Note B – Summary of Significant Accounting Policies (continued)

Billed accounts receivable represent charges for customer water and wastewater treatment usage billed to customers and not paid at August 31. Unbilled accounts receivable represent charges billed to customers after August 31 for services provided by the Authority prior to September 1.

Metered water and wastewater treatment sales and streetlight fees are based on rates established by the Authority Board.

Inventories

Inventories are stated at cost using specific identification.

Investments

Investments are stated at fair value and may include U.S. Government and agency obligations, repurchase agreements and money market funds including investment in a local government investment pool, interest rate management agreements and other investments as permitted by the laws of the state of Georgia, the Official Code of Georgia ("OCGA"). The Authority has adopted an interest rate management plan meeting the requirements of OCGA §36-82-250 and approved the parameters within which interest rate swap agreements may be executed.

Capital Assets

Capital assets include infrastructure acquired since 1959 and are stated at cost except for contributed water and sewer lines which are recorded at their fair market value at the date they are accepted by the Authority. All acquisitions of property and equipment in excess of \$1,000 are capitalized and depreciated.

Depreciation of the water and sewer systems, machinery, equipment and furnishings is computed using the straight-line method over the following economic lives:

<u>Asset Category</u>	<u>Estimated Useful Life</u>
Structures, line extensions and improvements	50 Years
Machinery and equipment	5-20 Years
Office furniture and equipment	5 Years

Expenditures for maintenance and repairs not considered to substantially lengthen the property lives are charged to expense as incurred. The cost of incomplete construction and system improvement projects is reported as construction-in-progress and is not depreciated.

Capitalized Interest

Interest costs on the revenue bond debt, net of interest earned, are capitalized into the related cost of the system improvements if material to the Authority's financial statements and are otherwise expensed as incurred.

Capitalization of Salaries

The Authority capitalizes salaries of employees in distribution and administration who perform construction activities. The amount capitalized is based upon the portion of the respective employees' work hours that is spent performing these functions.

CHEROKEE COUNTY WATER AND SEWERAGE AUTHORITY
NOTES TO FINANCIAL STATEMENTS
AUGUST 31, 2015

Note B – Summary of Significant Accounting Policies (continued)

Defined Benefit Pension

For purposes of measuring the net pension liability, deferred outflows and inflows of resources and pension expense related to the Cherokee County Water and Sewerage Authority Retirement Plan (the "Plan"), information about the fiduciary net position of the Plan and additions to/deductions from the Plan's fiduciary net position have been determined on the same basis as they are reported by the Georgia Municipal Employee Benefit System. For this purpose, benefit payments are recognized when currently due and payable in accordance with the benefit terms. The Plan's terms do not allow for employee contributions and benefit payments do not include them. Investments are reported at fair value.

Deferred Outflows and Inflows of Resources

Deferred outflows and inflows of resources represent separate financial statement elements of the statement of net position, the components of which are specifically identified by the GASB.

In addition to assets, the statement of net position will sometimes report deferred outflows of resources. This financial statement element represents a consumption of net position that applies to a future period and will not be recognized as an expense until then. The Authority has reported the deferred amount on revenue bond refundings as a deferred outflow of resources on the statement of net position. In 2015 with the implementation of GASB 68 and GASB 71, deferred outflows due to changes to demographic factors related to the pension valuation and deferred outflows of certain defined benefit pension contributions paid during the current year and have been added as further described in Note L.

In addition to liabilities, the Authority may also report deferred inflows of resources. This separate section on the statement of net position represents an acquisition of net position that applies to a future period and so will not be recognized as revenue until that time. In 2015 with the implementation of GASB 68 the Authority has reported deferred amounts related to changes in actuarial assumptions and in expected returns on defined benefit pension investments as deferred inflows as further described in Note L.

Amortization

Amortization of bond premiums and discounts is computed using the effective interest method over the life of the bond issue for which the charges have been deferred. Amortization of the deferred amount on refunding is computed using the straight line method over the shorter of the remaining life of the defeased debt had it not been refunded, or the life of the new debt.

Compensated Absences

Full-time employees are granted vacation benefits in varying amounts depending on tenure with the Authority. Unused leave is lost if not taken each year. Sick leave accrues to full-time employees to a specified maximum but does not vest and is paid only for an absence for medical-related causes. Since such future absences cannot be reasonably predicted, no liability for unused sick pay is recorded.

CHEROKEE COUNTY WATER AND SEWERAGE AUTHORITY
NOTES TO FINANCIAL STATEMENTS
AUGUST 31, 2015

Note B – Summary of Significant Accounting Policies (concluded)

Operating Budget

The Authority is not legally required to adopt a budget. The staff of the Authority, however, prepares an annual operating budget for management control purposes. The staff of the Authority uses the accrual basis of accounting in its annual operating budget, which is consistent with the basis of accounting used in the Authority's financial statements. The Authority's Board of Directors approves the budget and any changes made thereto.

The Authority's budget for the year ended August 31, 2015 is included in the supplementary information to the accompanying financial statements. This budget is based upon certain assumptions and estimates of the staff of the Authority regarding future events, transactions and circumstances. Realization of the results projected in this budget will depend upon implementation by management of the Authority of policies and procedures consistent with the assumptions. There can be no assurance that actual events will correspond with such assumptions, that uncontrollable factors will not affect such assumptions or that the projected results will be achieved. Accordingly the actual results achieved could materially vary from those projected in the budget.

Note C – Cash, Cash Equivalents and Investments

Cash

All of the Authority's cash as of August 31, 2015 is held in banks located in the State of Georgia. These demand deposits are required by Georgia state law and the Authority's revenue bond resolutions (see Note F) to be federally insured or collateralized by the institution. The collateral must meet certain requirements and be held by a third party for the benefit of the Authority. As of August 31, 2015, cash held in banks totaled \$7,388,467 and was covered by federal depository insurance or by collateral held by the Authority's agent and pledged to or in the name of the Authority. The value of cash in the accompanying financial statements, considering items in transit, totaled \$7,497,290.

Cash Equivalents and Investments

The Authority's cash equivalents and other investments are all held for non-trading purposes. Permitted investments and the Authority's policies are defined by the Authority's revenue bond resolutions which specify the types of securities in which the Authority is allowed to invest. Permitted investments include obligations of the U.S. government, or certain of its subsidiary corporations and agencies which are rated in the highest rating category by Moody's Investors Service and Standard & Poor's Ratings Group; the local government investment pool created by OCGA 36-83-8; bonds or obligations of the state of Georgia or its other counties, municipal corporations and political subdivisions; money market funds; and other investments as authorized by Georgia law. Each type of investment must meet certain criteria based on the nature of the investment.

CHEROKEE COUNTY WATER AND SEWERAGE AUTHORITY
NOTES TO FINANCIAL STATEMENTS
AUGUST 31, 2015

Note C – Cash, Cash Equivalents and Investments (concluded)

The Authority has the following investments at August 31, 2015:

Investment	Maturities	Fair Value
Georgia Fund I - cash equivalent	43 days avg.	\$ 35,162,561
U.S. Bank Money Market - cash equivalent	N/A	3,026,895
MBIA repurchase agreement, 5.36%	August 1, 2025	<u>1,295,443</u>
Total		<u>\$ 39,484,899</u>

All investment securities are either an external local government investment pool, or are insured, registered or held by the Authority or its agent in the Authority's name. As of August 31, 2015, the Authority's investments in Georgia Fund I were rated AAAs by Standard & Poor's Ratings Group; the money market fund and repurchase agreement are not rated.

The local government investment pool "Georgia Fund 1", created by OCGA 36-83-8, is a stable net asset value investment pool which is rated by Standard and Poor's as AAAs. Georgia Fund 1 operates in a manner consistent with Rule 2a-7 of the Investment Company Act of 1940 and is considered to be a 2a-7-like pool. The pool is not registered with the SEC as an investment company. Financial oversight of the pool is provided by the (Georgia) Office of the State Treasurer. The pool's primary objectives are safety of capital, investment income, liquidity and diversification while maintaining principal (\$1/share value). The weighted average maturity of its holdings is 43 days and net asset value is calculated weekly to ensure stability. The pool distributes earnings (net of management fees) on a monthly basis and determines participant's shares sold and redeemed based on \$1.00 per share. The fair value of the position in the pool is the same as the value of the pool shares. The Georgia Fund I investments are reported as cash equivalents.

At August 31, 2015, the repurchase agreement is secured by U.S. government obligations that are classified as held-to-maturity. U.S. government obligations are debt securities.

Certain assets are restricted for bond sinking funds and reserves, to be used for payment of debt service on long-term debt.

The Authority places no limit on the amount that may be invested in any one issuer and does not have a formal investment policy that limits investment maturities as a means of managing its exposure to fair value losses arising from increasing interest rates. The scheduled maturity of \$1,295,443 of investment in a repurchase agreement, the only investment considered as a debt security classified as held-to-maturity at August 31, 2015, is August 1, 2025.

Note D – Accounts Receivable

Accounts receivable consist of the following at August 31, 2015:

Billed	\$ 2,765,916
Unbilled	<u>3,075,469</u>
	<u>\$ 5,841,385</u>

See Independent Auditors' Report

CHEROKEE COUNTY WATER AND SEWERAGE AUTHORITY
NOTES TO FINANCIAL STATEMENTS
AUGUST 31, 2015

Note E – Capital Assets

A summary of changes in capital assets for the year ended August 31, 2015 is as follows:

	<u>Beginning Balance</u>	<u>Additions</u>	<u>Reductions</u>	<u>Ending Balance</u>
Capital Assets not Depreciated:				
Land and easements	\$ 5,988,976	\$ 646,043		\$ 6,635,019
Construction-in-progress	23,895,538	4,133,769	(332,381)	27,696,926
Other Capital Assets:				
Structures and improvements	543,167,646	9,103,161	(171,761)	552,099,046
Machinery and equipment	7,344,297	1,141,147	(224,806)	8,260,638
Office furniture and equipment	231,228	95,133	(292)	326,069
Accumulated Depreciation:				
Structures and improvements	(136,072,342)	(10,404,904)	65,950	(146,411,296)
Machinery and equipment	(5,072,226)	(871,638)	224,806	(5,719,058)
Office furniture and equipment	(123,143)	(26,524)	292	(149,375)
Capital Assets, Net	<u>\$ 439,359,974</u>	<u>\$ 3,816,187</u>	<u>\$ (438,192)</u>	<u>\$ 442,737,969</u>

Note F – Revenue Bonds Payable

A summary of changes in long-term debt for the year ended August 31, 2015 is as follows:

	<u>Beginning Balance</u>	<u>Additions</u>	<u>Reductions</u>	<u>Ending Balance</u>	<u>Due Within One Year</u>
Revenue bonds	\$157,135,000	\$ -	(6,835,000)	\$150,300,000	\$ 7,130,000
Less unamortized discount	(114,057)	-	13,459	(100,598)	-
Plus unamortized premium	6,221,259	-	(708,168)	5,513,091	-
	<u>\$163,242,202</u>	<u>\$ -</u>	<u>\$ (7,529,709)</u>	<u>\$155,712,493</u>	<u>\$ 7,130,000</u>

In June 1991, the Authority issued \$21,685,000 of Refunding Series 1991 revenue bonds maturing in 2018 with interest rates from 6.30% to 7.50%, to advance refund all of the Series 1987 and 1988 revenue bonds in the aggregate principal amount of \$20,000,000. A portion of this series was refunded by the Series 2001 revenue bonds (see below) in May, 2001 and was redeemed at 102% of face value in August 2001.

CHEROKEE COUNTY WATER AND SEWERAGE AUTHORITY
NOTES TO FINANCIAL STATEMENTS
AUGUST 31, 2015

Note F – Revenue Bonds Payable (continued)

In December 1993, the Authority issued \$28,460,000 in Water and Sewerage Revenue Bonds, Refunding and Improvements Series 1993 maturing in 2023 with interest rates from 5.30% to 5.50%, to advance refund all of the Series 1991 revenue bonds in the principal amount of \$10,000,000 and to provide funds to make certain additions and improvements to the water and sewerage systems.

In December 1995, the Authority issued \$22,460,000 in Water and Sewerage Revenue Bonds Series 1995, maturing in 2025 with an interest rate of 5.20%, to provide funds to make certain additions and improvements to the water and sewerage systems. A portion of this series was refunded by the Series 2001 revenue bonds.

In May 2001, the Authority issued \$70,505,000 in Refunding and Improvement Revenue Bonds Series 2001, maturing in 2030 with interest rates ranging from 3.25% to 5.125%, to advance refund portions of the Series 1991, 1995, 1997 and 1998 revenue bonds in the principal amount of \$38,765,000, to pay a surety bond premium to fund the bond Debt Service Reserve and to provide funds to make certain additions, extensions and improvements to the water and sewerage systems. Portions of this series were refunded by the Series 2010 and Series 2011 revenue refunding bonds, and were called and redeemed in 2011.

In May 2006, the Authority issued \$25,000,000 in Revenue Bonds Series 2006 as auction rate securities maturing in 2035. The bonds were issued to provide funds to make certain additions, extensions and improvements to the water and sewerage systems. These bonds were remarketed in April 2008 in order to convert their interest rates to long-term fixed rates that range from 3.00% to 5.00%.

In June 2007, the Authority issued \$25,000,000 in Revenue Bonds Series 2007 as auction rate securities maturing in 2035. The bonds were issued to provide funds to make certain additions, extensions and improvements to the water and sewerage systems. These bonds were remarketed in April 2008 in order to convert their interest rates to long-term fixed rates that range from 3.00% to 5.00%.

In April 2008, because of significant disruptions to the auction rate securities market, the Authority converted the interest rates on the Series 2006 and 2007 bonds from auction rates to long-term fixed rates. The Authority paid \$456,157 in remarketing fees and other costs in connection with the conversion and remarketing of the bonds. All were successfully remarketed in April 2008 resulting in a premium of \$268,023.

In January 2010, the Authority issued \$39,710,000 in Water and Sewerage Revenue Refunding Bonds, Series 2010, maturing in 2028 with interest rates ranging from 3.00% to 5.00%. The bonds were issued by the Authority for the purpose of advance refunding the Authority's remaining Series 1997 and 1998 revenue bonds and a portion of the Series 2001 revenue bonds in the aggregate principal amount of \$39,645,000.

In June 2011, the Authority issued \$29,310,000 in Water and Sewerage Revenue Refunding Bonds, Series 2011, maturing in 2030 with interest rates ranging from 3.00% to 5.00%. The bonds were issued by the Authority for the purpose of advance refunding a portion of the Authority's Series 2001 revenue bonds and a portion of the Series 2003 revenue bonds in the aggregate principal amount of \$30,355,000.

In May 2013, the Authority issued \$16,260,000 in Water and Sewerage Revenue Refunding Bonds, series 2013, maturing in 2033 with interest rates ranging from 3.25% to 5.00%. The bonds were issued by the Authority for the purpose of advance refunding a portion of the Authority's Series 2003 revenue bonds in the aggregate principal amount of \$18,970,000.

CHEROKEE COUNTY WATER AND SEWERAGE AUTHORITY
NOTES TO FINANCIAL STATEMENTS
AUGUST 31, 2015

Note F – Revenue Bonds Payable (continued)

The U.S. government securities purchased in connection with the defeased and advance refunded bonds are deposited in irrevocable trusts with escrow agents to provide for all future debt service payments of the affected bonds. As a result, the bonds are considered to be defeased and the liabilities for them have been removed from long-term debt. As of August 31, 2015, outstanding principal balances remain for the Series 1995, Series 1997 and Series 1998 bonds in the amounts of \$2,865,000 and \$230,000 and \$4,645,000, respectively.

The defeasance, advance refundings and remarketing of the bonds described above resulted in differences between the reacquisition prices and the net carrying amounts of the old debt. The deferred amount on refunding, reported in the accompanying financial statements as a deferred outflow of resources, is being charged to operations using the straight-line method of amortization. The amount remaining at August 31, 2015 is \$5,294,008.

The revenue bonds are secured by a pledge of the revenues derived by the Authority from the ownership and operation of the water and sewerage systems remaining after payment of the reasonable and necessary expenses of operating, maintaining and repairing the systems. Payment of the principal of and interest on the revenue bonds when due is guaranteed by municipal bond insurance policies issued by Financial Guaranty Insurance Company and Assured Guaranty Municipal Corp. (formerly known as Financial Security Assurance, Inc.).

The Authority makes sinking fund deposits monthly for all issues. Annual totals are at least equal to the principal installments of and interest payable on the bonds in the current sinking fund year. The debt service requirements to be paid into the revenue bond sinking fund are as follows:

<u>Year ending August 31,</u>	<u>Principal</u>	<u>Interest</u>	<u>Total</u>
2016	7,130,000	7,283,553	14,413,553
2017	7,420,000	6,988,802	14,408,802
2018	7,755,000	6,654,553	14,409,553
2019	8,120,000	6,295,477	14,415,477
2020	8,520,000	5,896,877	14,416,877
2021-2025	48,490,000	22,678,010	71,168,010
2026-2030	43,405,000	10,077,063	53,482,063
2031-2035	19,460,000	2,695,150	22,155,150
Total	<u>\$ 150,300,000</u>	<u>\$ 68,569,485</u>	<u>\$ 218,869,485</u>

The various resolutions providing for the revenue bonds require that the Authority establish and maintain a schedule of rates, fees and charges for services furnished by the systems to produce in each sinking fund year "net system revenues" in an amount at least equal to 1.20 times the highest annual amount of principal and interest payable on the bonds during any future sinking fund year. The revenue bond coverage was 1.88 for the year ended August 31, 2015.

CHEROKEE COUNTY WATER AND SEWERAGE AUTHORITY
NOTES TO FINANCIAL STATEMENTS
AUGUST 31, 2015

Note F – Revenue Bonds Payable (concluded)

Effective with the issuance of the Series 2001 bonds, the Authority's annual net system revenues exclusive of water connection and sewer tap fees must be no less than this highest annual amount of debt service payable during any future sinking fund year. For the year ended August 31, 2015, this ratio was 1.29.

The Authority is also required to maintain, using a combination of funds in the debt service reserve account and surety bonds, an amount equal to the highest annual debt service under the bonds of \$14,421,103. As of August 31, 2015, the balance in the debt service reserve account and the surety bonds exceed the minimum requirement.

Cash and investments associated with any bond construction projects, sinking funds and reserves are restricted to such use and are classified as restricted assets on the statement of net position.

Note G – Investment Derivative Financial Instruments

The Authority has entered into two debt service forward delivery agreements with Lehman Brothers Special Financing, Inc. ("Lehman"). Under these contracts, Lehman has the option to require the Authority to use revenue bond sinking funds to purchase qualified U.S. Treasury securities that will mature by the semi-annual debt service payment dates from a Qualified Dealer (as defined in the agreements) chosen by Lehman.

In exchange for these agreements, Lehman paid the Authority \$958,600 which represented the present value of the expected interest earnings in the sinking fund over the life of the related revenue bonds. The remaining balance of this unearned revenue is \$171,518 at August 31, 2015 and is being recognized on the straight-line basis over the life of each respective agreement.

The forward delivery agreements relate to the following bond series:

<u>Series</u>	<u>Cash Payment</u>
1993 Refunding & Improvement Bonds	\$ 740,600
1995 Revenue Bonds	\$ 218,000

As the investments purchased by the Authority are U.S. Treasury securities and are held in the Authority's revenue bond sinking fund, there is no significant credit risk. Interest rate risk is limited to the effect of a change in rate on the value of the investments from the time of purchase through the next scheduled debt service payment date which can be no more than one year.

The Authority entered into these agreements to obtain a higher long-term than short-term yield and not for the purpose of hedging any financial risk. Accordingly, these forward delivery arrangements are investment derivative financial instruments and classified as other long-term liabilities in the statement of net position; the gains or losses are reported as other revenues or expenses respectively on the statement of revenues, expenses and changes in net position.

CHEROKEE COUNTY WATER AND SEWERAGE AUTHORITY
NOTES TO FINANCIAL STATEMENTS
AUGUST 31, 2015

Note G – Investment Derivative Financial Instruments (concluded)

The fair value balance and notional amount of debt service forward delivery agreements outstanding at August 31, 2015 and the corresponding changes in fair value of such derivative instruments for the year then ended were as follows:

Change in Fair Value		Fair Value as of August 31, 2015		
Classification	Amount	Classification	Amount	Notional
Change in fair value of derivative	\$ 178,641	Other long-term liability	\$ (678,054)	\$53,262,237

Note H – Restricted Net Position

Net position restricted for debt service includes the excess of assets restricted for the debt service on revenue bonds over related liabilities. Net position restricted for bond retirement represents assets set aside for that purpose as required by the revenue bond resolution (see Note F).

Note I – Risk Management

The Authority is exposed to various risks of loss related to torts; theft of, damage to and destruction of assets; workers compensation; employee health care; errors and omissions and natural disasters for which the Authority carries commercial insurance. There have been no significant reductions in coverage from the prior year and settlement amounts have not exceeded insurance coverage in the current or the three prior years.

Note J – Commitments and Contingencies

At August 31, 2015, the Authority has outstanding agreements with contractors for future work on existing construction projects in the approximate amount of \$4,600,000.

Note K – Operations

The Authority produced approximately 99.6% of its customers' water needs during the year ended August 31, 2015, purchasing most of the remaining amount from the City of Woodstock and Pickens County. The Authority provided 92.5% of sewage treatment required in the year ended August 31, 2015, purchasing the remainder primarily from the City of Canton and from Cobb County, Georgia.

Note L – Retirement Plans

Governmental Deferred Compensation Plan

The Authority provides a governmental deferred compensation "Section 457" plan (the "457 Plan") authorized by the Authority Board which covers all employees. The 457 Plan is administered by an independent third party administrator. It does not allow for employer contributions. Amounts employees may defer under the 457 Plan are subject to statutory limits. Employee deferrals totaled \$272,455 during the year ended August 31, 2015.

CHEROKEE COUNTY WATER AND SEWERAGE AUTHORITY
NOTES TO FINANCIAL STATEMENTS
AUGUST 31, 2015

Note L – Retirement Plans (continued)

Defined Benefit Plan

General Information About The Defined Benefit Pension Plan

The Authority has established the Cherokee County Water and Sewerage Authority Retirement Plan (the "Plan") and participates in the Georgia Municipal Employees Benefit System ("GMEBS") to provide certain retirement and death benefits to Plan members and beneficiaries. Only the Authority may amend the benefit provisions of the Plan. GMEBS is an agent multiple-employer, statewide public employee pension plan established by the Georgia legislature and administered by a board of trustees. GMEBS issues a publicly available financial report that may be obtained by contacting the administrator, Georgia Municipal Association ("GMA"), The Burgess Building, 201 Pryor Street, SW, Atlanta, Georgia 30303.

Benefits Provided.

Normal retirement age	Minimum of 65 with 5 Years of Credited Service, or combined credited service and age equal to at least 80 if still employed (the "Rule of 80")
Early retirement age	55 with 10 Years of Credited Service
Benefit formula	
- at normal retirement age	2.0% x Years of Credited Service (30 maximum) x Final Average Earnings
- at early retirement age	Reduced percentage of normal retirement benefit ranging from 93.3% to 50.0%
Final average earnings	Annual average of 5 consecutive years preceding the most recent termination in which participant's earnings were the highest.
Vesting	100% after 5 Years of Credited Service
Employee contributions	Nonparticipatory

Employees Covered By Benefit Terms. At the January 1, 2015 valuation date the following employees were covered by the benefit terms:

Inactive employees or beneficiaries currently receiving benefits	25
Inactive employees entitled to but not yet receiving benefits	19
Active employees	167

Contributions. The Authority is required to contribute amounts at least equal to the actuarially determined rate established by the GMEBS board of trustees. The Plan is also subject to the minimum funding standards of the OCGA which will be met by the amount developed under the GMEBS actuarial funding policy. The actuarially determined rate is the estimated amount necessary to finance the cost of benefits earned by employees during the year, with an additional amount to finance any unfunded accrued liability. The Plan is non-contributory with respect to the participants. The Authority's contributions were 14.36% of Covered-Employee Payroll for the most recent measurement year ended September 30, 2014.

Net Pension Liability. The Authority's net pension liability was measured as of September 30, 2014 and the total pension liability used to calculate the net pension liability was determined by an annual actuarial valuation as of January 1, 2015.

See Independent Auditors' Report

CHEROKEE COUNTY WATER AND SEWERAGE AUTHORITY
NOTES TO FINANCIAL STATEMENTS
AUGUST 31, 2015

Note L – Retirement Plans (continued)

Actuarial Assumptions. The total pension liability in the January 1, 2015 annual actuarial valuation was determined using the following actuarial assumptions, applied to all periods included in the measurement:

Inflation	3.25%
Salary increases	3.75% in the long-term
Investment rate of return	7.75%, net of investment expense, including inflation

Mortality rates used were based on the 1994 Group Annuity Reserving Unisex Table on a plan termination basis and RP-2000 Combined Healthy Mortality Table with sex-distinct rates, set forward two years for males and one year for females for healthy employees. For disabled retirees, the RP-2000 Disabled Retiree Mortality Table with sex-distinct rates was used. The RP-2000 mortality tables were determined to contain sufficient provision appropriate to reasonably reflect future mortality improvement, based on a four-year review of mortality experience for the period January 1, 2010 to June 30, 2014. Mortality experience will be reviewed by GMEBS periodically and updated if necessary.

The long-term expected rate of return on Plan investments was determined using a building-block method in which the best-estimate ranges of expected future real rates of return (expected returns, net of Plan investment expense and inflation) are developed for each major asset class. These ranges are combined to produce the long-term expected rate of return by weighting the expected future real rates of return by the target asset allocation percentage and by adding expected inflation. Best estimates of arithmetic real rates of return for each major asset class included in the Plan's target asset allocation as of September 30, 2014 are summarized in the following table:

<u>Asset Class</u>	<u>Target Allocation</u>	<u>Long-Term Expected Real Rate of Return</u>	<u>Long-Term Nominal Real Rate of Return</u>
Domestic equity	50%	5.95%	9.20%
International equity	15%	6.45%	9.70%
Fixed income	25%	1.55%	4.80%
Real estate	10%	3.75%	7.00%
Cash	0%		
Total	<u>100%</u>		

Discount Rate. The discount rate used to measure the total pension liability is 7.75%. The projection of cash flows used to determine the discount rate assumes that the Authority's contributions will be made at the actuarially determined rates. Based on this assumption, the Plan's fiduciary net position was projected to be available to pay all projected future benefit payments of current active and inactive employees. Therefore, the long-term expected rate of return on Plan investments was applied to all periods of projected benefit payments to determine the total pension liability.

CHEROKEE COUNTY WATER AND SEWERAGE AUTHORITY
NOTES TO FINANCIAL STATEMENTS
AUGUST 31, 2015

Note L – Retirement Plans (continued)

Changes in Net Pension Liability

Changes in the net pension liability are as follows for the year ended September 30, 2014 measurement period:

	Total Pension Liability (a)	Plan Fiduciary Net Position (b)	Net Pension Liability (a) - (b)
Changes for the year:			
Service cost	\$ 416,262	\$ -	\$ 416,262
Interest	1,374,131	-	1,374,131
Changes of benefit terms	-	-	-
Difference between expected and actual experience	565,359	-	565,359
Changes of assumptions	-	-	-
Contributions-employer	-	1,232,688	(1,232,688)
Contributions-employee *	-	-	-
Net investment income	-	1,421,199	(1,421,199)
Benefit payments *	(485,554)	(485,554)	-
Administrative expense	-	(16,290)	16,290
Other	(138,589)	-	(138,589)
Net Change	1,731,609	2,152,043	(420,434)
Balance October 1, 2013	17,973,495	12,260,401	5,713,094
Balance September 30, 2014	<u>\$ 19,705,104</u>	<u>\$ 14,412,444</u>	<u>\$ 5,292,660</u>

* Plan is non-participatory with respect to employee contributions

Sensitivity Of The Net Pension Liability To Changes In The Discount Rate. The following presents the net pension liability of the Authority at August 31, 2015, calculated using the discount rate of 7.75% as well as the amount that would result from using a discount rate that is 1.0% lower (6.75%) or 1.0% higher (8.75%) than the current rate:

	1% Rate Decrease 6.75%	Current Discount Rate 7.75%	1% Rate Increase 8.75%
Range of discount rates			
Net pension liability ("NPL") August 31, 2015	\$ 5,292,660	\$ 5,292,660	\$ 5,292,660
Increase (decrease) in NPL	2,807,244	-	(2,304,552)
Calculated NPL August 31, 2015	<u>\$ 8,099,904</u>	<u>\$ 5,292,660</u>	<u>\$ 2,988,108</u>

See Independent Auditors' Report

CHEROKEE COUNTY WATER AND SEWERAGE AUTHORITY
NOTES TO FINANCIAL STATEMENTS
AUGUST 31, 2015

Note L – Retirement Plans (concluded)

Pension Expense And Deferred Outflows And Inflows Of Resources Related To Pensions

For the year ended August 31, 2015 the Authority recognized pension expense of \$810,770. The Authority reported deferred outflows and inflows of resources related to pensions from the following sources:

	Deferred Outflows of Resources	Deferred Inflows of Resources
Changes in demographics	\$ 471,135	\$ -
Difference in projected vs. actual investment earnings	-	(354,161)
Changes in assumptions	-	(115,490)
Change from prior year balance in amount of contributions subsequent to measurement date	50,110	-
Total	<u>\$ 521,245</u>	<u>\$ (469,651)</u>

Deferred outflows resulting from contributions during the year ended August 31, 2015 subsequent to the measurement date of September 30, 2014 total \$1,175,899 and will be recognized as a reduction in the net pension liability for the year ending August 31, 2016. Other deferred outflows and inflows of resources related to the defined benefit pension will be recognized as follows in pension expense for the years ending August 31:

2016	\$ (17,411)
2017	(17,411)
2018	(17,411)
2019	(17,411)
2020	71,129
	<u>\$ 1,485</u>

Note M – Other Postemployment Benefits

In addition to the pension benefits described in Note L, the Authority provides other postemployment benefits (“OPEB”) for retired employees through an agent multiple-employer defined benefit plan. The benefit levels, employee contributions and employer contributions are governed by the Authority and can be amended by the Authority. The Authority participates in the GMEBS OPEB Trust, an irrevocable trust established for the purpose of accumulating assets to fund postemployment benefits other than pensions. The GMEBS OPEB Trust also issues separate financial statements which can be obtained by requesting a copy from the plan administrator GMA as described in Note L.

CHEROKEE COUNTY WATER AND SEWERAGE AUTHORITY
NOTES TO FINANCIAL STATEMENTS
AUGUST 31, 2015

Note M – Other Postemployment Benefits (continued)

The Authority provides post-retirement health insurance benefits to all employees who retire after meeting age and tenure conditions and who do not have other coverage. Eligible retirees must meet the Rule of 80 as defined in Note L regarding their combined age and years of service and have a minimum of 15 continuous years of service with the Authority. Employees must also meet other eligibility criteria as specified by the terms of the plan. The retiree's spouse and dependent(s) may also receive coverage under certain circumstances. Retirees will pay 20% of the cost of their own coverage and 60% of spouse and dependent coverage. For retirees who qualify, the benefits are coordinated with Medicare.

Current Authority retirees who qualify for health benefits receive an implicit rate subsidy by participating in the active employee health care risk pool.

At August 31, 2015, membership consists of:

Retirees and beneficiaries	11
Active employees	<u>173</u>
Total participants	<u><u>184</u></u>

The Authority contributes amounts to the GMEBS OPEB Trust sufficient to fully fund the Annual Required Contribution ("ARC"), an actuarially determined contribution amount in accordance with the parameters of GASB Statement No. 45 ("GASB 45"), *Accounting and Financial Reporting by Employers for Postemployment Benefits Other Than Pensions*.

In accordance with GASB 45, an actuarial study was prepared as of July 1, 2013 calculating the postemployment healthcare cost for the year ended August 31, 2015. The actuarial valuation estimated the ARC and annual OPEB costs for the year ended August 31, 2015 of \$478,000. The amortization period is open, the amortization method is level-dollar and the postemployment healthcare cost was determined under the projected unit credit actuarial cost method. The calculations for 2015 are based on an investment rate of return of 7.75% that includes a 3.25% inflation assumption and an initial annual healthcare cost trend rate of 7.0% graded to arrive at an ultimate rate of 5.0%. This represents a level of funding that if paid on an ongoing basis, is projected to cover the normal cost each year and the amortization of the UAAL over 20 years.

The Authority's annual OPEB costs for years ended August 31, 2015, 2014, 2013, 2012, 2011, 2010 and 2009 (the initial year) were \$478,000, \$546,000, \$459,000, \$505,000, \$852,000, \$475,000 and \$481,000 respectively, 100% of which was contributed with no net OPEB obligation at year-end.

The actuarial value of assets is reported at fair value and the valuation methods are based on publicly traded prices or appraisals depending upon the nature of the investment. As of the most recent actuarial valuation date on July 1, 2015, the plan was 39.5% funded. The AAL for benefits was \$12.1 million and the actuarial value of assets was \$4.7 million resulting in a UAAL of \$7.3 million. The Covered Payroll was \$9.0 million and the ratio of the UAAL to the covered payroll was 81.1%. The schedule of funding progress, included as RSI following the notes to these financial statements, presents multi-year trend information about whether the actuarial value of plan assets is increasing or decreasing over time relative to the AAL for benefits.

See Independent Auditors' Report

CHEROKEE COUNTY WATER AND SEWERAGE AUTHORITY
NOTES TO FINANCIAL STATEMENTS
AUGUST 31, 2015

Note M – Other Postemployment Benefits (concluded)

Actuarial valuations of an ongoing OPEB plan involve estimates of the value of reported amounts and assumptions about the probability of occurrence of events far into the future. Examples include assumptions about future employment, mortality and the healthcare cost trend. Amounts determined regarding the funded status of the plan and the ARCs of the employer are subject to continual revision as actual results are compared with past expectations and new estimates are made about the future.

Projections of benefits for financial reporting purposes are based on the substantive plan (the plan as understood by the employer and plan members) and include the types of benefits provided at the time of each valuation and the historical pattern of sharing of benefit costs between the employer and plan members to that point. The actuarial methods and assumptions used include techniques that are designed to reduce short-term volatility in actuarial accrued liabilities and the actuarial value of assets, consistent with the long-term perspective of the calculations.

POSTEMPLOYMENT BENEFITS
REQUIRED SUPPLEMENTARY INFORMATION

CHEROKEE COUNTY WATER AND SEWERAGE AUTHORITY
 POSTEMPLOYMENT BENEFITS REQUIRED SUPPLEMENTARY INFORMATION
 AUGUST 31, 2015

SCHEDULE OF OTHER POSTEMPLOYMENT BENEFITS
 FUNDING PROGRESS

Actuarial Valuation Date	Actuarial Value of Assets	Actuarial Accrued Liab. (AAL)	Unfunded AAL (UAAL)	Funded Ratio	Annual Covered Payroll	UAAL as a % of Covered Payroll
7/1/2015	\$ 4,785,000	\$12,118,000	\$ 7,333,000	39.5%	\$ 9,047,000	81.1%
7/1/2013	\$ 3,408,000	\$ 7,802,000	\$ 4,394,000	43.7%	\$ 8,396,000	52.3%
9/1/2011	\$ 1,559,000	\$ 5,483,000	\$ 3,924,000	28.4%	\$ 8,173,000	48.0%
9/1/2010	\$ 976,000	\$ 5,292,000	\$ 4,316,000	18.4%	\$ 7,677,000	56.2%

See Independent Auditors' Report

CHEROKEE COUNTY WATER AND SEWERAGE AUTHORITY
POSTEMPLOYMENT BENEFITS REQUIRED SUPPLEMENTARY INFORMATION
AUGUST 31, 2015

SCHEDULE OF CHANGES IN NET PENSION LIABILITY AND RELATED RATIOS

Last 10 Years *

Measurement Period	<u>FYE 9/30/14</u>
Total Pension Liability	
Service cost	\$ 416,262
Interest	1,374,131
Changes of benefit terms	-
Difference between expected and actual experience	565,359
Changes of assumptions	-
Benefit payments **	(485,554)
Administrative expense	-
Other	<u>(138,589)</u>
Net Change in Total Pension Liability	1,731,609
Total Pension Liability, beginning of year	<u>17,973,495</u>
Total Pension Liability, end of year (a)	<u>19,705,104</u>
Plan Fiduciary Net Position	
Contributions-employer	1,232,688
Contributions-employee **	N/A
Net investment income	1,421,199
Benefit payments **	(485,554)
Administrative expense	<u>(16,290)</u>
Net Change in Plan Fiduciary Net Position	2,152,043
Plan Fiduciary Net Position, beginning of year	<u>12,260,401</u>
Plan Fiduciary Net Position, end of year (b)	<u>14,412,444</u>
Net Pension Liability ("NPL"), end of year (a) - (b)	<u>\$ 5,292,660</u>
Plan Fiduciary Net Position as a percentage of the Total Pension Liability	<u>73.14%</u>
Covered Employee Payroll	<u>\$ 8,586,584</u>
NPL as a percentage of Covered Employee Payroll	<u>61.64%</u>

Notes to Schedule

Benefit Changes:

The Plan was amended to provide for immediate participation for employees effective January 1, 2015 and had no impact on service credited under the Plan or benefits.

Changes of Assumptions:

Due to the benefit change above, for the fiscal year ending in 2016, the eligibility assumption has been changed from one year to immediate. The increase in the NPL is minimal and is included in the differences between expected and actuarial experience.

* Historical information prior to implementation of GASB 68 is not required

** Plan is non-participatory with respect to employee contributions

See Independent Auditors' Report

CHEROKEE COUNTY WATER AND SEWERAGE AUTHORITY
POSTEMPLOYMENT BENEFITS REQUIRED SUPPLEMENTARY INFORMATION
AUGUST 31, 2015

Measurement Period	<u>FYE 9/30/14</u>
Actuarially Determined Contribution	\$ 1,232,688
Contributions in relation to the Actuarially Determined Contribution	<u>1,232,688</u>
Contribution deficiency (excess)	<u>-</u>
Covered-Employee Payroll	<u>\$ 8,586,584</u>
Contributions as a percentage of Covered-Employee Payroll	<u>14.36%</u>

Notes to Schedule

Valuation Date:

The actuarial methods and assumptions used to set the actuarially determined contributions for the 2014 measurement period are from the January 1, 2013 valuation

Methods and assumptions used to determine contribution rates:

Actuarial cost method

Projected unit credit

Amortization method

Closed level dollar for remaining unfunded liability

Remaining amortization period

Remaining period varies for the bases, with a net effective period of 10 years

Asset valuation method

Sum of actuarial value at beginning of year and cash flow during the year plus assumed investment return, adjusted by 10% of the amount that the value is greater or less than the market value at end of year. The actuarial value is adjusted, if necessary, to be within 26% of market value.

Salary increases

3.50% plus age and service based merit increases

Investment rate of return

7.75% including inflation

Retirement age

65 with 5 years of service or Rule of 80 (minimum age 60)

Mortality

The RP-2000 mortality tables are used based on an experience study by GMEBS for the period from 2005 to 2009.

* Historical information prior to implementation of GASB 68 is not required

OTHER SUPPLEMENTARY SCHEDULES

CHEROKEE COUNTY WATER AND SEWERAGE AUTHORITY
SCHEDULE OF COSTS OF WATER PURCHASES AND PRODUCTION
FOR THE YEAR ENDED AUGUST 31, 2015

Purchased water	<u>\$ 57,028</u>
Water production:	
Salaries and wages	1,040,038
Payroll taxes	76,479
Group insurance	216,866
Retirement	72,183
Other postemployment benefits	43,455
Billing and accounting	17,140
Continuing education	35,321
Insurance - other than group	40,084
Lab fees and supplies	41,445
Stream monitoring	54,800
Miscellaneous	627
Office supplies	1,240
Operating supplies	261,165
Power	1,133,067
Professional fees	1,953
Repair and maintenance	313,978
Small tools and equipment	3,203
Telephone	17,328
Uniforms	5,097
Computer equipment and maintenance	654
Vehicle	<u>13,568</u>
Total water production	<u>3,389,691</u>
Total water purchases and production before depreciation	3,446,719
Depreciation	<u>1,399,298</u>
Total water purchases and production cost	<u><u>\$ 4,846,017</u></u>

CHEROKEE COUNTY WATER AND SEWERAGE AUTHORITY
SCHEDULE OF COSTS OF WASTEWATER TREATMENT
FOR THE YEAR ENDED AUGUST 31, 2015

Purchased wastewater treatment	<u>\$ 793,275</u>
Wastewater treatment:	
Salaries and wages	2,417,693
Payroll taxes	174,787
Group insurance	565,008
Retirement	206,936
Other postemployment benefits	124,932
Billing and accounting	17,140
Insurance - other than group	115,308
Lab fees and supplies	59,827
Regulatory actions	3,312
Professional fees	5,614
Miscellaneous	1,695
Office supplies	7,746
Operating supplies	943,282
Power	1,392,220
Repair and maintenance	1,331,679
Continuing education	47,484
Small tools and equipment	11,181
Telephone	30,849
Uniforms	13,696
Computer equipment and maintenance	4,768
Vehicle	<u>58,662</u>
Total wastewater treatment	<u>7,533,819</u>
Total purchased treatment and wastewater treatment before depreciation	8,327,094
Depreciation	<u>2,194,720</u>
Total wastewater treatment cost	<u><u>\$ 10,521,814</u></u>

See Independent Auditors' Report

CHEROKEE COUNTY WATER AND SEWERAGE AUTHORITY
SCHEDULE OF DISTRIBUTION AND ADMINISTRATION EXPENSES
FOR THE YEAR ENDED AUGUST 31, 2015

Salaries and wages	\$ 6,313,398
Payroll taxes	452,909
Group insurance	1,620,547
Retirement	510,172
Other postemployment benefits	309,614
Bad debts	111,309
Billing and accounting	399,195
Continuing education	64,046
Contract meter readers	619,089
Director fees and expenses	56,522
Equipment repairs and maintenance	780,219
Insurance - other than group	286,929
Lab fees and supplies	6,121
Legal and audit	91,845
Line and meter repairs	520,758
Miscellaneous	29,330
Office supplies	33,667
Operating supplies	76,557
Postage	10,403
Power	125,106
Professional fees	160,210
Real estate taxes	15,866
Service charges	268,125
Small tools and equipment	22,184
Telephone	87,953
Toilet rebates	26,700
Uniforms	23,259
Computer equipment and maintenance	7,880
Vehicle	283,979
Water tests	<u>7,000</u>
Subtotal	13,320,892
Less capitalized salaries	<u>(418,602)</u>
Total distribution and administration expenses before depreciation	12,902,290
Depreciation	<u>7,625,739</u>
Total distribution and administration expenses	<u><u>\$ 20,528,029</u></u>

See Independent Auditors' Report

CHEROKEE COUNTY WATER AND SEWERAGE AUTHORITY
SCHEDULE OF BUDGETED REVENUES AND EXPENSES COMPARED WITH ACTUAL
FOR THE YEAR ENDED AUGUST 31, 2015

	BUDGET	ACTUAL	VARIANCE
REVENUES			
Operating Revenues:			
Metered water sales	\$ 25,300,000	\$ 25,980,155	\$ 680,155
Wastewater treatment sales	14,800,000	15,607,818	807,818
Street light fees	1,339,000	1,342,068	3,068
Water connection fees	1,467,100	373,344	(1,093,756)
Transfer fees	195,000	211,450	16,450
Forfeited discounts and penalties	687,000	691,754	4,754
Customer repairs and service charges	295,000	236,301	(58,699)
Total Operating Revenues	44,083,100	44,442,890	359,790
Non-Operating Revenues:			
Interest:			
Sinking funds	77,000	98,269	21,269
Revenue funds	38,000	48,656	10,656
Change in fair value of derivative	-	178,641	178,641
Amortization of bond premiums, net		694,709	694,709
Miscellaneous	131,000	133,766	2,766
Total Non-Operating Revenues	246,000	1,154,041	908,041
TOTAL REVENUES	44,329,100	45,596,931	1,267,831
EXPENSES			
Operating Expenses:			
Water Purchases and Production:			
Purchased water	54,000	57,028	(3,028)
Water production:			
Salaries and wages	1,069,000	1,040,038	28,962
Payroll taxes	82,000	76,479	5,521
Group insurance	238,000	216,866	21,134
Retirement	114,700	72,183	42,517
Other postemployment benefits	43,455	43,455	-
Billing and accounting	17,000	17,140	(140)
Continuing education	36,000	35,321	679
Insurance - other than group	43,000	40,084	2,916
Lab fees and supplies	56,000	41,445	14,555
Stream monitoring	54,800	54,800	-
Miscellaneous	2,500	627	1,873
Office supplies	2,100	1,240	860
Operating supplies	255,000	261,165	(6,165)
Power	1,200,000	1,133,067	66,933

See Independent Auditors' Report

CHEROKEE COUNTY WATER AND SEWERAGE AUTHORITY
SCHEDULE OF BUDGETED REVENUES AND EXPENSES COMPARED WITH ACTUAL
FOR THE YEAR ENDED AUGUST 31, 2015

	BUDGET	ACTUAL	VARIANCE
Water production (continued):			
Professional fees	\$ 10,000	\$ 1,953	\$ 8,047
Repairs and maintenance	327,000	313,978	13,022
Small tools and equipment	3,000	3,203	(203)
Telephone	19,000	17,328	1,672
Uniforms	6,000	5,097	903
Computer equipment and maintenance	4,000	654	3,346
Vehicle expense	22,000	13,568	8,432
Operating expenses before depreciation	3,658,555	3,446,719	211,836
Depreciation	1,406,495	1,399,298	7,197
Total Water Purchases and Production	5,065,050	4,846,017	219,033
Wastewater Treatment:			
Purchased wastewater treatment	755,000	793,275	(38,275)
Wastewater treatment:			
Salaries and wages	2,450,400	2,417,693	32,707
Payroll taxes	187,500	174,787	12,713
Group insurance	543,000	565,008	(22,008)
Retirement	329,700	206,936	122,764
Other postemployment benefits	124,932	124,932	-
Billing and accounting	17,000	17,140	(140)
Insurance - other than group	123,000	115,308	7,692
Lab fees and supplies	70,000	59,827	10,173
Regulatory actions	20,000	3,312	16,688
Professional fees	10,000	5,614	4,386
Miscellaneous	3,500	1,695	1,805
Office supplies	13,700	7,746	5,954
Operating supplies	1,160,800	943,282	217,518
Power	1,430,000	1,392,220	37,780
Repairs and maintenance	1,350,200	1,331,679	18,521
Continuing education	51,000	47,484	3,516
Small tools and equipment	10,400	11,181	(781)
Telephone	32,000	30,849	1,151
Uniforms	15,000	13,696	1,304
Computer equipment and maintenance	7,500	4,768	2,732
Vehicle expense	85,000	58,662	26,338
Operating expenses before depreciation	8,789,632	8,327,094	462,538
Depreciation	2,224,648	2,194,720	29,928
Total Wastewater Treatment	11,014,280	10,521,814	492,466

See Independent Auditors' Report

CHEROKEE COUNTY WATER AND SEWERAGE AUTHORITY
SCHEDULE OF BUDGETED REVENUES AND EXPENSES COMPARED WITH ACTUAL
FOR THE YEAR ENDED AUGUST 31, 2015

	<u>BUDGET</u>	<u>ACTUAL</u>	<u>VARIANCE</u>
Distribution and Administration:			
Salaries and wages	\$ 6,424,700	\$ 6,313,398	\$ 111,302
Payroll taxes	491,500	452,909	38,591
Group insurance	1,671,000	1,620,547	50,453
Retirement	817,000	510,172	306,828
Other postemployment benefits	309,615	309,614	1
Bad debts	100,000	111,309	(11,309)
Billing and accounting	380,000	399,195	(19,195)
Continuing education	70,500	64,046	6,454
Contract meter readers	622,000	619,089	2,911
Directors' fees and expenses	60,200	56,522	3,678
Equipment repairs and maintenance	847,000	780,219	66,781
Insurance - other than group	308,000	286,929	21,071
Lab fees and supplies	8,500	6,121	2,379
Legal and audit	91,000	91,845	(845)
Line and meter repairs	385,000	520,758	(135,758)
Miscellaneous	35,000	29,330	5,670
Office supplies	37,500	33,667	3,833
Operating supplies	73,000	76,557	(3,557)
Postage	11,300	10,403	897
Power	155,000	125,106	29,894
Professional fees	193,000	160,210	32,790
Real estate taxes	20,000	15,866	4,134
Small tools and equipment	30,000	22,184	7,816
Service Charges	228,000	268,125	(40,125)
Telephone	80,600	87,953	(7,353)
Toilet rebates	30,000	26,700	3,300
Uniforms	23,500	23,259	241
Computer equipment and maintenance	10,500	7,880	2,620
Vehicle expense	346,500	283,979	62,521
Water Tests	10,500	7,000	3,500
Total distribution and administration expense before depreciation	13,870,415	13,320,892	549,523
Depreciation	7,474,500	7,625,739	(151,239)
Subtotal	21,344,915	20,946,631	398,284
Less capitalized salaries	(430,439)	(418,602)	(11,837)
Total Distribution and Administration	20,914,476	20,528,029	386,447

See Independent Auditors' Report

CHEROKEE COUNTY WATER AND SEWERAGE AUTHORITY
SCHEDULE OF BUDGETED REVENUES AND EXPENSES COMPARED WITH ACTUAL
FOR THE YEAR ENDED AUGUST 31, 2015

	<u>BUDGET</u>	<u>ACTUAL</u>	<u>VARIANCE</u>
Streetlights	<u>\$ 1,057,000</u>	<u>\$ 1,051,386</u>	<u>\$ 5,614</u>
Total Operating Expenses	<u>38,050,806</u>	<u>36,947,246</u>	<u>1,103,560</u>
Non-Operating Expenses:			
Interest	7,299,695	7,536,328	(236,633)
Paying agent fees	20,000	16,332	3,668
Loss on disposition of capital assets, net	-	56,913	(56,913)
Amortization of deferred amount on refunding	<u>-</u>	<u>398,909</u>	<u>(398,909)</u>
Total Non-Operating Expenses	<u>7,319,695</u>	<u>8,008,482</u>	<u>(688,787)</u>
TOTAL EXPENSES	<u>45,370,501</u>	<u>44,955,728</u>	<u>414,773</u>
CAPITAL CONTRIBUTIONS	<u>3,301,000</u>	<u>16,402,595</u>	<u>13,101,595</u>
CHANGE IN NET POSITION	<u><u>\$ 2,259,599</u></u>	<u><u>\$ 17,043,798</u></u>	<u><u>\$ 14,784,199</u></u>

See Independent Auditors' Report

CHEROKEE COUNTY WATER AND SEWERAGE AUTHORITY
SCHEDULE OF METERED WATER SALES, WASTEWATER TREATMENT SALES AND
NUMBER OF CUSTOMERS SERVED

	<u>2015</u>	<u>2014</u>	<u>2013</u>	<u>2012</u>	<u>2011</u>
Metered Water Sales	<u>\$ 25,980,155</u>	<u>\$ 24,286,454</u>	<u>\$ 22,544,847</u>	<u>\$ 24,472,779</u>	<u>\$ 25,177,691</u>
Number of Customers Served	<u>69,302</u>	<u>67,965</u>	<u>66,573</u>	<u>65,519</u>	<u>64,659</u>
Sales Per Customer	<u>\$ 374.88</u>	<u>\$ 357.34</u>	<u>\$ 338.65</u>	<u>\$ 373.52</u>	<u>\$ 389.39</u>
Wastewater Treatment Sales	<u>\$ 15,607,818</u>	<u>\$ 14,538,327</u>	<u>\$ 13,529,139</u>	<u>\$ 14,011,430</u>	<u>\$ 13,787,286</u>
Number of Customers Served	<u>31,044</u>	<u>30,012</u>	<u>28,944</u>	<u>28,053</u>	<u>27,579</u>
Sales Per Customer	<u>\$ 502.76</u>	<u>\$ 484.42</u>	<u>\$ 467.42</u>	<u>\$ 499.46</u>	<u>\$ 499.92</u>

See Independent Auditors' Report

CHEROKEE COUNTY WATER AND SEWERAGE AUTHORITY
SCHEDULE OF REVENUE BOND COVERAGE
FOR THE YEARS ENDED AUGUST 31,
(IN THOUSANDS)

	2015		2014		2013		2012		2011	
	With Tap Fees	Without Tap Fees	With Tap Fees	Without Tap Fees	With Tap Fees	Without Tap Fees	With Tap Fees	Without Tap Fees	With Tap Fees	Without Tap Fees
Net revenue available for debt service (see Note below)	\$27,068	\$18,623	\$23,150	\$16,786	\$21,199	\$14,828	\$21,869	\$17,739	\$21,704	\$19,263
Highest annual debt service requirements	\$14,421	\$14,421	\$14,421	\$14,421	\$14,421	\$14,421	\$14,452	\$14,452	\$14,452	\$14,452
<u>Revenue Bond Coverage:</u>										
Actual	1.88	1.29	1.61	1.16	1.47	1.03	1.51	1.23	1.50	1.33
Required	1.20	1.00	1.20	1.00	1.20	1.00	1.20	1.00	1.20	1.00

Note: Net revenue available for debt service equals income from operations plus depreciation and other income less interest earned on construction funds and the value of contributed capital. Required revenue bond coverage is measured both including and excluding water connection and sewer tap fees.

CHEROKEE COUNTY WATER AND SEWERAGE AUTHORITY
SCHEDULE OF WATER, SEWER AND IRRIGATION RATES
AS OF AUGUST 31, 2015

CONSUMPTION (GALLONS)	WATER NET	SEWER NET	IRRIGATION NET
0	\$ 9.00	\$ 12.60	\$ 12.00
1,000	10.10	12.60	13.10
2,000	11.20	12.60	14.20
3,000	16.45	19.55	19.45
4,000	21.70	26.50	24.70
5,000	26.95	33.45	29.95
6,000	32.20	40.40	35.20
7,000	37.45	47.35	40.45
8,000	42.70	54.30	45.70
9,000	47.95	61.25	50.95
10,000	53.20	68.20	56.20
Over 10,000	Additional \$6.30 per 1,000	Additional \$6.95 per 1,000	Additional \$6.30 per 1,000

CONSUMPTION (GALLONS)	WATER NET	SEWER NET	IRRIGATION NET
0	\$ 9.00	\$ 12.60	\$ 12.00
1,000	10.10	12.60	13.10
2,000	11.20	12.60	14.20
3,000	16.45	19.55	19.45
4,000	21.70	26.50	24.70
5,000	26.95	33.45	29.95
6,000	32.20	40.40	35.20
7,000	37.45	47.35	40.45
8,000	42.70	54.30	45.70
9,000	47.95	61.25	50.95
10,000	53.20	68.20	56.20
Over 10,000	Additional \$6.30 per 1,000	Additional \$6.95 per 1,000	Additional \$6.30 per 1,000

There is a 10% penalty added when paid after due date. These rates apply only to 3/4" meters serving a single family dwelling. A larger minimum bill will apply to larger meters. Rates effective May 1, 2014.

CHEROKEE COUNTY WATER AND SEWERAGE AUTHORITY
STATISTICAL TABLE OF INSURANCE IN FORCE
AS OF AUGUST 31, 2015

TYPE OF COVERAGE	LIMITS OF LIABILITY
Public Officials and Employment Practices Legal Liability	\$1,000,000 for each loss and \$3,000,000 aggregate for each policy year
Commercial Automobile	\$1,000,000 for liability per accident \$75,000 for Uninsured/Underinsured per accident Actual cash value for collision
Commercial Crime	\$500,000 employee theft \$100,000 ERISA employee theft per occurrence \$100,000 forgery & alteration \$500,000 computer fraud
Commercial Property: Fire and Extended Coverage including boiler and machinery	\$232,863,634 blanket coverage for buildings and business property
Inland Marine	\$3,094,574 computers, software and contractors equipment – owned and rented \$25,000 data breach limit (any one occurrence and annual aggregate)
Workers Compensation	\$500,000 for bodily injury each accident, \$500,000 aggregate limit, and \$500,000 disease limit
Commercial Umbrella	\$10,000,000 for each occurrence \$10,000,000 aggregate limit \$4,000,000 for failure to supply and sexual abuse (each claim aggregate)
Commercial General Liability	\$3,000,000 for general aggregate \$3,000,000 for products and completed operations aggregate \$1,000,000 for personal and advertising injury \$1,000,000 for bodily injury and property damage \$1,000,000 for damage to premises rented to you - each occurrence premises medical payments \$1,000,000 for employee benefits liability - each claim \$3,000,000 for employee benefits liability - aggregate \$1,000,000 for sexual abuse - each occurrence \$1,000,000 for failure to supply - each occurrence \$1,000,000 for health care & social services - each wrongful act

See Independent Auditors' Report

Comprehensive Annual Financial Report

III. Statistical Section

Cherokee County Water & Sewerage Authority- Cherokee County, Georgia

Statistical Section

The contents of the statistical section of the comprehensive annual financial report presents information regarding financial trends, revenue capacity, debt service and debt capacity, demographic and economic information and operating information.

Contents

Financial Trends	49-54
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These schedules should help the reader understand how the Authority's financial performance and well-being have changed over time.

Revenue Capacity.....	56-62
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These schedules contain information in order for the reader to assess the Authority's most significant revenue sources.

Debt Capacity	64-66
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These schedules contain information in order for the reader to assess the affordability of the Authority's current levels of outstanding debt and the ability for the Authority to issue additional debt in the future.

Demographic and Economic Information.....	68-69
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These schedules offer demographic and economic indicators to help the reader understand the environment within which the Authority's financial activities take place.

Operating Information	71-73
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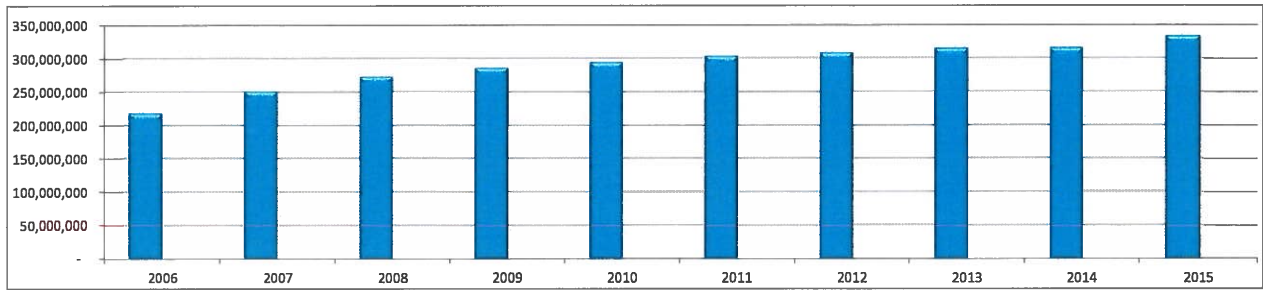
These schedules contain service and infrastructure data to help the reader understand how the information in the Authority's financial report relates to the services the Authority provides and the activities it performs.

Financial Trends

Cherokee County Water & Sewerage Authority

Net Position by Component Last Ten Fiscal Years

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Net investment in capital assets	178,549,687	206,959,000	230,425,517	239,421,805	246,127,575	252,722,983	254,997,871	276,087,369	281,151,583	291,424,715
Restricted for:										
Debt Service	1,936,698	2,444,091	2,935,181	2,904,509	4,848,640	4,832,668	5,529,572	4,868,422	4,931,244	4,949,250
Capital Projects								828,731		
Unrestricted	37,727,435	41,651,747	39,637,088	43,916,564	43,101,106	46,021,700	46,736,656	33,403,218	29,486,065	36,238,725
Total Net Position	218,213,820	251,054,838	272,997,786	286,242,878	294,077,321	303,577,351	308,092,830	314,359,009	315,568,892	332,612,690

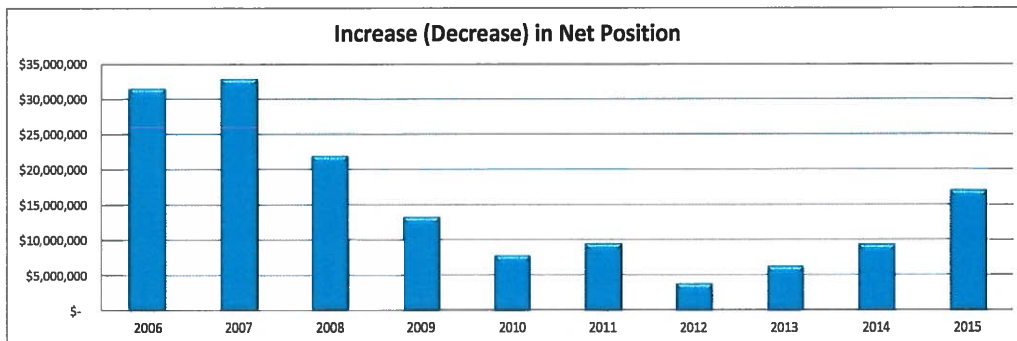


Source: Cherokee County Water & Sewerage Authority Historical Financial Records

Cherokee County Water & Sewerage Authority

Changes in Net Position
Last Ten Fiscal Years

Fiscal Year	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Operating Revenues	\$ 41,176,285	\$ 42,286,813	\$ 38,006,740	\$ 40,519,186	\$ 41,383,583	\$ 42,347,019	\$ 41,032,207	\$ 38,674,973	\$ 41,382,200	\$ 44,442,890
Operating Expenses	26,686,048	28,579,107	31,029,958	30,357,010	32,070,123	32,984,658	33,987,476	34,426,663	35,600,188	36,947,246
Income from Operations	14,490,237	13,707,706	6,976,782	10,162,176	9,313,460	9,362,361	7,044,731	4,248,310	5,782,012	7,495,644
Non-Operating Revenues (Expenses)	(6,678,269)	(7,026,201)	(8,102,537)	(9,605,497)	(9,080,570)	(8,645,999)	(8,015,283)	(8,260,211)	(6,925,380)	(6,854,441)
Gain (Loss) Before Capital Contributions	7,811,968	6,681,505	(1,125,755)	556,679	232,890	716,362	(970,552)	(4,011,901)	(1,143,368)	641,203
Capital Contributions	23,708,762	26,159,513	23,068,703	12,688,413	7,601,553	8,783,668	4,741,959	10,278,080	10,515,135	16,402,595
Increase (decrease) in Net Position	\$ 31,520,730	\$ 32,841,018	\$ 21,942,948	\$ 13,245,092	\$ 7,834,443	\$ 9,500,030	\$ 3,771,407	\$ 6,266,179	\$ 9,371,767	\$ 17,043,798



Note:

See Operating Revenues statistical schedule for a detailed breakdown by revenue source.
See the Non-Operating Revenue (Expenses) statistical schedule for a breakdown by non-operating revenue(expense) items.

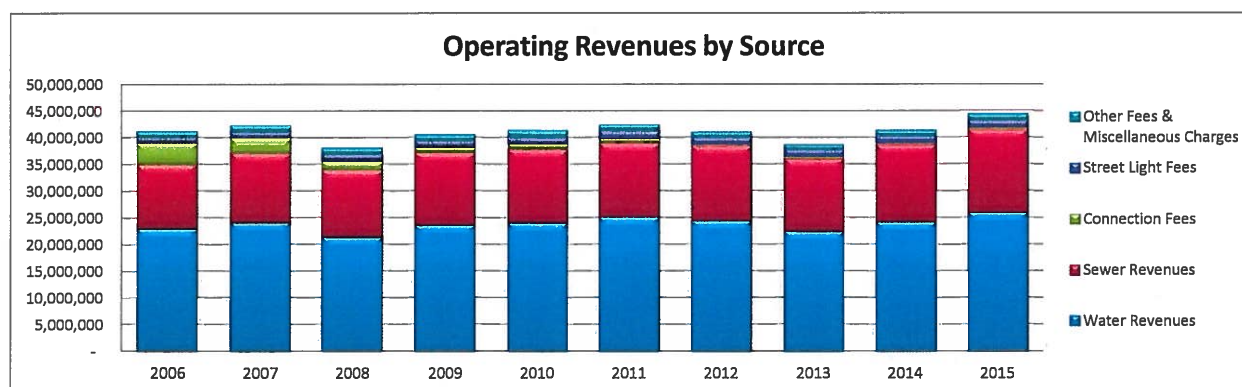
Beginning in fiscal year 2012, the Authority reclassified certain revenue and capital contribution items so certain of the revenue and capital contribution categories shown for fiscal year 2006 through 2011 have been reclassified to facilitate comparison to fiscal year 2012-2015. Portions of water meter connections included under Capital Contributions were not reclassified for fiscal years 2006-2011 to facilitate comparison to 2012-2015 because the data and information was not sorted in such a way that it was obtainable to make this reclassification for comparison purposes.

Source: Cherokee County Water & Sewerage Authority Historical Financial Records

Cherokee County Water & Sewerage Authority

Operating Revenues by Source Last Ten Fiscal Years

Fiscal Year	Water Revenue	Sewer Revenues	Connection Fees	Street Light Fees	Other Fees & Miscellaneous Charges	Total
2006	23,048,444	12,035,505	3,922,345	1,161,677	1,008,314	41,176,285
2007	24,203,994	13,018,909	2,733,580	1,197,733	1,132,597	42,286,813
2008	21,545,310	12,474,370	1,690,188	1,241,086	1,055,786	38,006,740
2009	23,671,252	13,559,105	981,908	1,244,934	1,061,987	40,519,186
2010	24,106,505	13,818,212	939,350	1,251,173	1,268,343	41,383,583
2011	25,177,691	13,787,286	773,900	1,617,410	990,732	42,347,019
2012	24,472,779	14,011,430	307,445	1,263,493	977,060	41,032,207
2013	22,544,851	13,529,139	412,715	1,288,766	899,502	38,674,973
2014	24,286,454	14,538,327	291,639	1,322,783	942,997	41,382,200
2015	25,980,155	15,607,818	373,344	1,342,068	1,139,505	44,442,890



Note:

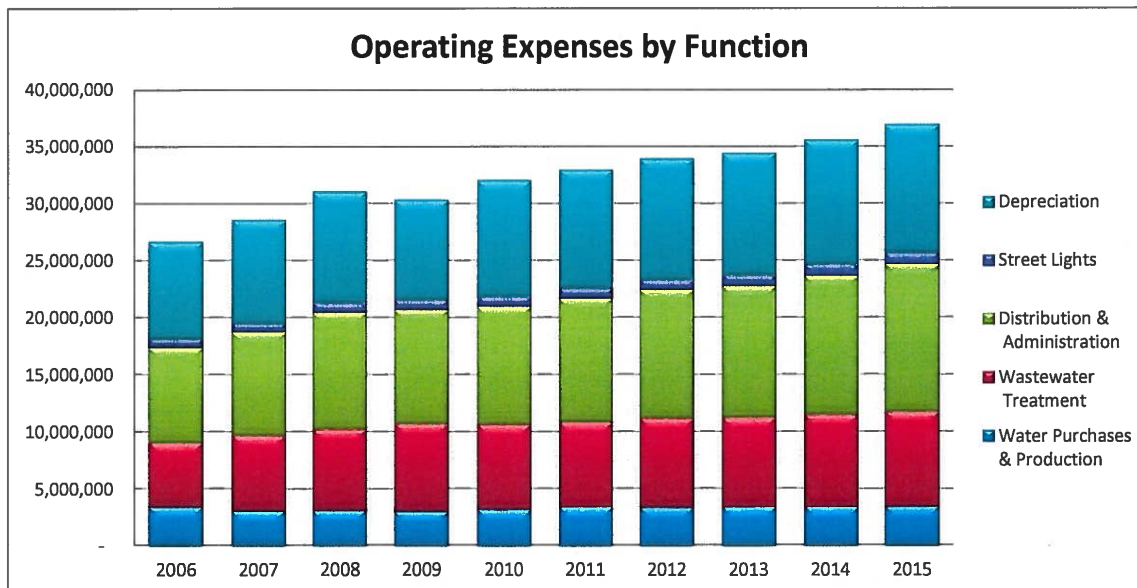
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Source: Cherokee County Water & Sewerage Authority Historical Financial Records

Cherokee County Water & Sewerage Authority

Operating Expenses by Function
Last Ten Fiscal Years

Fiscal Year	Water Purchases & Production	Wastewater Treatment	Distribution & Administration	Street Lights	Depreciation	Total Operating Expenses
2006	3,430,792	5,668,811	8,316,207	755,493	8,514,745	26,686,048
2007	3,093,866	6,609,408	9,033,430	812,183	9,030,220	28,579,107
2008	3,118,064	7,139,435	10,226,174	852,990	9,693,294	31,029,957
2009	3,029,734	7,697,153	9,999,424	876,136	8,754,563	30,357,010
2010	3,203,144	7,482,282	10,318,847	877,458	10,188,392	32,070,123
2011	3,398,081	7,488,990	10,842,235	903,511	10,351,841	32,984,658
2012	3,371,731	7,831,106	11,243,067	915,727	10,625,845	33,987,476
2013	3,395,278	7,881,795	11,502,139	971,867	10,675,584	34,426,663
2014	3,415,804	8,123,714	12,101,019	1,036,563	10,923,088	35,600,188
2015	3,446,719	8,327,094	12,902,290	1,051,386	11,219,757	36,947,246



Source: Cherokee County Water & Sewerage Authority Historical Financial Records

Cherokee County Water & Sewerage Authority
Non-Operating Revenues (Expenses)
Last Ten Fiscal Years

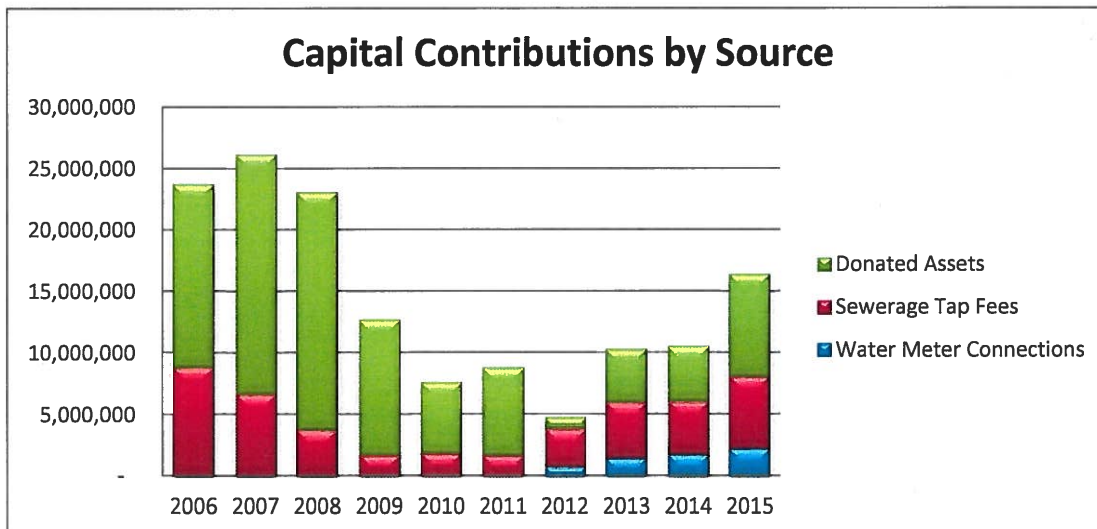
Fiscal Year	Interest Income	Change in Fair Value of Derivatives	Gain (Loss) on Disposal of Assets	Miscellaneous	Interest Expense & Other Fiscal Charges	Other	Total
2006	1,604,643	-	(64,955)	330,466	(8,456,596)	(91,827)	(6,678,269)
2007	2,077,966	-	(59,341)	205,912	(9,145,239)	(105,499)	(7,026,201)
2008	1,640,733	-	(73,790)	186,039	(9,732,681)	(122,838)	(8,102,537)
2009	\$484,858	-	(102,502)	150,611	(10,030,796)	(107,668)	(9,605,497)
2010	\$201,937	-	12,888	111,631	(9,294,932)	(112,094)	(9,080,570)
2011	\$174,641	-	(35,097)	119,520	(8,789,599)	(115,464)	(8,645,999)
2012	\$164,191	98,613	(19,595)	113,382	(8,295,890)	(75,984)	(8,015,283)
2013	\$185,022	(360,374)	(54,257)	131,406	(8,063,069)	(98,939)	(8,260,211)
2014	\$228,744	191,330	17,999	143,381	(7,845,282)	338,448	(6,925,380)
2015	\$146,925	178,641	(56,913)	133,766	(7,552,660)	295,800	(6,854,441)

Source: Cherokee County Water & Sewerage Authority Historical Financial Records

Cherokee County Water & Sewerage Authority

Capital Contributions by Source Last Ten Fiscal Years

Fiscal Year	Water Meter Connections	Sewerage Tap Fees	Donated Assets	Total Capital Contributions
2006	-	8,826,168	14,882,594	23,708,762
2007	-	6,651,573	19,507,940	26,159,513
2008	-	3,731,284	19,337,419	23,068,703
2009	-	1,710,209	10,978,204	12,688,413
2010	-	1,835,666	5,765,887	7,601,553
2011	-	1,666,600	7,117,068	8,783,668
2012	765,059	3,057,288	919,612	4,741,959
2013	1,442,985	4,515,196	4,319,899	10,278,080
2014	1,743,611	4,328,898	4,442,626	10,515,135
2015	2,224,156	5,847,315	8,331,124	16,402,595



Note:

Beginning in fiscal year 2012, the Authority reclassified certain revenue and capital contribution items so certain of the revenue and capital contribution categories shows for fiscal year 2006 through 2011 have been reclassified to facilitate comparison to fiscal year 2012-2015

Source: Cherokee County Water & Sewerage Authority Historical Financial Records

Revenue Capacity

Cherokee County Water & Sewerage Authority

Water Capacity Compared with Annual Average Daily Flow and Maximum Flow
Last Ten Fiscal Years

(All Numbers Presented in Million Gallons Per Day)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Maximum Rated Capacity for the Plant <u>Treatment Plant</u>										
Etowah River Water Treatment Plant	38.00	38.00	38.00	38.00	38.00	38.00	38.00	38.00	38.00	38.00
Average Daily Flow	16.44	16.69	14.88	14.70	14.45	14.79	14.92	14.00	14.61	14.91
Maximum Daily Flow	25.72	27.69	24.61	21.76	21.48	22.49	24.56	19.68	20.74	22.40

Source: Cherokee County Water & Sewerage Authority Historical Data Records

Cherokee County Water & Sewerage Authority

Sewerage Treatment Capacity Compared with Annual Monthly Average Flow and Peak Day Flows
Last Ten Fiscal Years
(All Numbers Presented in Million Gallons Per Day)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Maximum Permitted Capacity for the Plant										
<u>Treatment Plants</u>										
Rose Creek	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Fitzgerald Creek	2.0	2.0 ⁽¹⁾ 5.0 ⁽²⁾	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Riverbend ⁽⁵⁾										
Total	8.0	11.0⁽⁴⁾	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
<u>Rose Creek GA0046451</u>										
Monthly Average	3.91	3.57	3.13	2.24	2.88	2.90	2.63	2.82	2.47	2.39
Peak Day Flow	5.94	5.89	5.25	6.11	5.26	4.27	3.46	4.78	3.72	4.97
<u>Fitzgerald Creek GA0038555</u>										
Monthly Average	1.84	1.74	2.36	4.18	3.32	3.07	3.22	3.67	3.70	3.70
Peak Day Flow	3.29	3.38	6.13	9.81	8.41	6.56	7.21	8.42	5.88	5.13
<u>Riverbend GA0000728⁽⁵⁾</u>										
Monthly Average								0.0081 ⁽³⁾	0.00	0.00
Peak Day Flow								0.1400 ⁽³⁾	0.00	0.00

Source: Cherokee County Water & Sewerage Authority Historical Data Records

(1) 2.0 mgd on November 2007

(2) 5.0 mgd on December 2007

(3) 2013 for Riverbend is from August through December.

(4) Fiscal Year End

(5) The Authority assumed the Industrial Permit for Riverbend in 2013 after the facility was purchased from a rendering plant.

There were no process flows other than rain water infiltration. The domestic permit is expected to have an initial permitted treatment capacity of 0.5 MGD. The Authority has not yet commenced construction of the Riverbend plant and will not do so until EPD issues a discharge permit for the plant.

Cherokee County Water & Sewerage Authority
New Connections Added to the System

New Water Meters Sold

Last Ten Fiscal Years

METER SIZE	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
3/4 INCH											
Residential	2,983	1,930	990	390	390	335	511	929	1,081	1,352	11,071
Commercial	51	44	20	13	8	12	9	6	6	11	
1 INCH											
Residential	16	18	8	2	2	1	2	1		6	171
Commercial	31	22	12	9	4	5	7	11	5	9	
1.5 INCH											
Residential		3	3		1	1	1		1		71
Commercial	21	4	12	5	4	3	1	4	3	4	
2 INCH											
Residential	6	2	2						2		96
Commercial	18	15	15	4	7	2	1	9	5	8	
3 INCH											
Residential		1									12
Commercial			1	1	2	2	3			2	
4 INCH											
Residential											1
Commercial				1							
6 INCH											
Residential											-
Commercial											
8 INCH											
Residential											-
Commercial											
TOTAL	3,126	2,039	1,063	425	418	361	535	960	1,103	1,392	11,422

New Sewer Taps Sold

Last Ten Fiscal Years

TYPE	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	TOTAL
Residential	2,201	1,532	804	307	326	247	424	810	905	1,037	8,593
Commercial	61	36	30	16	14	16	10	15	12	16	226
TOTAL	2,262	1,568	834	323	340	263	434	825	917	1,053	8,819

Cherokee County Water & Sewerage Authority

Number of Customers
Last Ten Fiscal Years

Number of Water Connections

<u>Customer Class</u>	<u>As of August 31</u>									
	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>
Residential	60,406	62,412	57,840	57,976	58,172	58,702	59,277	60,323	61,658	62,978
Commercial & Industrial	n/a	n/a	5,637	5,952	6,049	5,957	6,242	6,250	6,307	6,324
Total	60,406	62,412	63,477	63,928	64,221	64,659	65,519	66,573	67,965	69,302

Number of Sewer Connections

<u>Customer Class</u>	<u>As of August 31</u>									
	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>
Residential	24,015	25,721	25,911	26,140	26,482	27,043	27,494	28,401	29,449	30,467
Commercial & Industrial	n/a	n/a	502	515	532	536	559	543	563	577
Total	24,015	25,721	26,413	26,655	27,014	27,579	28,053	28,944	30,012	31,044

Note: Commercial and Industrial water/sewer connections are included in residential numbers for years 2006-2007

Source: Cherokee County Water & Sewerage Authority Historical Financial Records

Cherokee County Water & Sewerage Authority
Residential Water & Sewer Rates
Last Ten Fiscal Years

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Water										
Base Rate	8.50	8.70	7.00	8.00	8.00	8.00	8.00	8.00	9.00	9.00
3/4"										
1,000	base	base	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
2,000	base	base	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
3,000-10,000	4.25/1000	4.35/1000	5.00/1000	5.00/1000	5.00/1000	5.00/1000	5.00/1000	5.00/1000	5.25/1000	5.25/1000
>10,000	5.25/1000	5.35/1000	6.00/1000	6.00/1000	6.00/1000	6.00/1000	6.00/1000	6.00/1000	6.30/1000	6.30/1000
Minimum Charge:										
1"	42.50	43.50	49.20	50.20	50.20	50.20	50.20	50.20	53.20	53.20
1.5"	85.00	87.00	99.20	100.20	100.20	100.20	100.20	100.20	105.70	105.70
2"	144.50	147.90	169.20	170.20	170.20	170.20	170.20	170.20	179.20	179.20
3"	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
4"	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
6"	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
8"	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Charge per 1,000 Gallons: Above Minimum	5.25	5.35	6.00	6.00	6.00	6.00	6.00	6.00	6.30	6.30
Sewerage										
Minimum Charge:	11.34	11.60	11.60	11.60	11.60	11.60	11.60	11.60	12.60	12.60
1"	56.70	58.00	64.40	64.40	64.40	64.40	64.40	64.40	68.20	68.20
1.5"	113.40	116.00	130.40	130.40	130.40	130.40	130.40	130.40	137.70	137.70
2"	192.78	197.20	222.80	222.80	222.80	222.80	222.80	222.80	235.00	235.00
3"	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
4"	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
6"	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
8"	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Charge per 1,000 Gallons: Above Minimum	5.67	5.80	6.60	6.60	6.60	6.60	6.60	6.60	6.95	6.95

Note: Rates are presented as of August 31 of each Fiscal Year, respectively

Source: Cherokee County Water & Sewerage Authority Historical Data

Cherokee County Water & Sewerage Authority
Commercial Water, Sewer and Irrigation Rates
Last Ten Fiscal Years

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Water										
Base Rate	8.50	8.70	7.00	8.00	8.00	8.00	8.00	8.00	9.00	9.00
3/4"										
1,000	base	base	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
2,000	base	base	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
3,000-10,000	4.25/1000	4.35/1000	5.00/1000	5.00/1000	5.00/1000	5.00/1000	5.00/1000	5.00/1000	5.25/1000	5.25/1000
>10,000	4.25/1000	4.35/1000	5.00/1000	5.00/1000	5.00/1000	5.00/1000	5.00/1000	5.00/1000	5.25/1000	5.25/1000
Minimum Charge:										
1"	42.50	43.50	49.20	50.20	50.20	50.20	50.20	50.20	53.20	53.20
1.5"	85.00	87.00	99.20	100.20	100.20	100.20	100.20	100.20	105.70	105.70
2"	144.50	147.90	169.20	170.20	170.20	170.20	170.20	170.20	179.20	179.20
3"	195.50	200.10	229.20	230.20	230.20	230.20	230.20	230.20	242.20	242.20
4"	250.75	256.65	294.20	295.20	295.20	295.20	295.20	295.20	310.45	310.45
6"	357.00	365.40	419.20	420.20	420.20	420.20	420.20	420.20	441.70	441.70
8"	425.00	435.00	499.20	500.20	500.20	500.20	500.20	500.20	525.70	525.70
Charge per 1,000 Gallons: Above Minimum										
	4.25	4.35	5.00	5.00	5.00	5.00	5.00	5.00	5.25	5.25
Sewerage										
Mimumin Charge:	11.34	11.60	11.60	11.60	11.60	11.60	11.60	11.60	12.60	12.60
1"	56.70	58.00	64.40	64.40	64.40	64.40	64.40	64.40	68.20	68.20
1.5"	113.40	116.00	130.40	130.40	130.40	130.40	130.40	130.40	137.70	137.70
2"	192.78	197.20	222.80	222.80	222.80	222.80	222.80	222.80	235.00	235.00
3"	260.82	266.80	302.00	302.00	302.00	302.00	302.00	302.00	318.40	318.40
4"	334.53	342.20	387.80	387.80	387.80	387.80	387.80	387.80	408.75	408.75
6"	476.28	487.20	552.80	552.80	552.80	552.80	552.80	552.80	582.50	582.50
8"	567.00	580.00	658.40	658.40	658.40	658.40	658.40	658.40	693.70	693.70
Charge per 1,000 Gallons: Above Minimum										
	5.67	5.80	6.60	6.60	6.60	6.60	6.60	6.60	6.95	6.95
Irrigation										
Base Rate:	8.50	8.70	7.00	11.00	11.00	11.00	11.00	11.00	12.00	12.00
Minimum Charge:										
3/4"										
1,000 Gallons	base	base	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
2,000 Gallons	base	base	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
3,000-10,000 Gallons	4.25/1000	4.35/1000	5.00/1000	5.00/1000	5.00/1000	5.00/1000	5.00/1000	5.00/1000	5.25/1000	5.25/1000
> 10,000 Gallons	4.25/1000	4.35/1000	5.00/1000	6.00/1000	6.00/1000	6.00/1000	6.00/1000	6.00/1000	6.30/1000	6.30/1000
1"	42.50	43.50	49.20	53.20	53.20	53.20	53.20	53.20	56.20	56.20
1.5"	85.00	87.00	99.20	103.20	103.20	103.20	103.20	103.20	108.70	108.70
2"	144.50	147.90	169.20	173.20	173.20	173.20	173.20	173.20	182.20	182.20
3"	195.50	200.10	229.20	233.20	233.20	233.20	233.20	233.20	245.20	245.20
4"	250.75	256.65	294.20	298.20	298.20	298.20	298.20	298.20	313.45	313.45
6"	357.00	365.40	419.20	423.20	423.20	423.20	423.20	423.20	444.70	444.70
8"	425.00	435.00	499.20	503.20	503.20	503.20	503.20	503.20	528.70	528.70
Charge per 1,000 Gallons: Above Minimum										
	4.25	4.35	5.00	6.00	6.00	6.00	6.00	6.00	6.30	6.30

Note: Rates are presented as of August 31 of each Fiscal Year, respectively

Source: Cherokee County Water & Sewerage Authority Historical Data

Cherokee County Water & Sewerage Authority

Top Ten Customers by Type Current Year and Nine Years Ago

Fiscal Year	2015			2006			
			% of Water				% of Water
Water Customers	Gallons Metered	Water Revenue	Revenue	Water Customers	Gallons Metered	Water Revenue	Revenue
Pilgrim's Pride Corporation	251,564,000	\$526,151	2.03%	Pilgrim Pride	288,420,000	\$576,840	2.50%
Cherokee County Board of Education	60,105,000	\$354,794	1.37%	City of Woodstock	287,433,000	\$568,799	2.47%
Yes Investors (Shadowood MHP)	32,098,000	\$173,101	0.67%	City of Canton	200,287,000	\$376,553	1.63%
City of Woodstock	72,202,000	\$172,741	0.66%	Shadowood MHP	49,585,000	\$209,675	0.91%
City of Waleska	67,427,000	\$158,891	0.61%	Pickens County Government	103,534,000	\$203,962	0.88%
City of Canton	54,684,000	\$130,420	0.50%	Cherokee Co. Board of Education	41,904,000	\$181,873	0.79%
Towne Lake Apartments	24,057,000	\$129,851	0.50%	City of Waleska	85,085,000	\$168,089	0.73%
Colony Homes (River Park)	21,557,000	\$121,555	0.47%	Bartow County Water Department	80,540,000	\$158,980	0.69%
Bartow County Water Department	49,598,000	\$117,131	0.45%	Towne Lake Apartments	20,725,000	\$86,666	0.38%
Cherokee Co. Sheriff's Office (Jail)	14,669,000	\$77,021	0.30%	Cherokee County Jail	15,145,000	\$63,403	0.28%
Total	647,961,000	\$ 1,961,656	7.56%		1,172,658,000	\$2,594,840	11.26%

Fiscal Year	2015			2006			
			% of Sewer			% of Sewer	
Sewer Customers	Gallons Metered	Sewer Revenue	Revenue	Sewer Customers	Gallons Metered	Sewer Revenue	Revenue
Pilgrim's Pride Corporation	244,619,000	\$592,025	3.79%	Pilgrim Pride	289,027,000	\$676,323	5.62%
Cherokee County Board of Education	40,438,000	\$304,048	1.95%	Shadowood MHP	49,585,000	\$276,475	2.30%
Yes Investors (Shadowood MHP)	32,098,000	\$214,564	1.37%	Cherokee Co. Board of Education	41,904,000	\$142,389	1.18%
Towne Lake Apartments	23,646,000	\$160,221	1.03%	Towne Lake Apartments	20,725,000	\$115,600	0.96%
Colony Homes (River Park)	18,215,000	\$120,760	0.77%	Cherokee County Jail	15,145,000	\$84,572	0.70%
Cherokee Co. Sheriff's Office (Jail)	14,669,000	\$101,934	0.65%	Gray Property	12,171,000	\$67,823	0.56%
Pointe Development Group (HOA)	13,901,000	\$96,596	0.62%	Colony Homes (River Edge HOA)	11,707,000	\$65,444	0.54%
The Peaks at Bells Ferry (Apts.)	12,719,000	\$84,528	0.54%	Alta Ridgewalk	11,709,000	\$65,360	0.54%
Gray Property (Brook Mill Apts.)	12,663,000	\$83,031	0.53%	Gold Mill LLC	9,930,000	\$55,110	0.46%
Lindon Corp.	12,429,000	\$80,126	0.51%	Paces at Towne Lake	9,070,000	\$50,564	0.42%
Total	425,397,000	\$1,837,833	11.76%		470,973,000	\$1,599,660	13.28%

Source: Cherokee County Water & Sewerage Authority Historical Financial Records

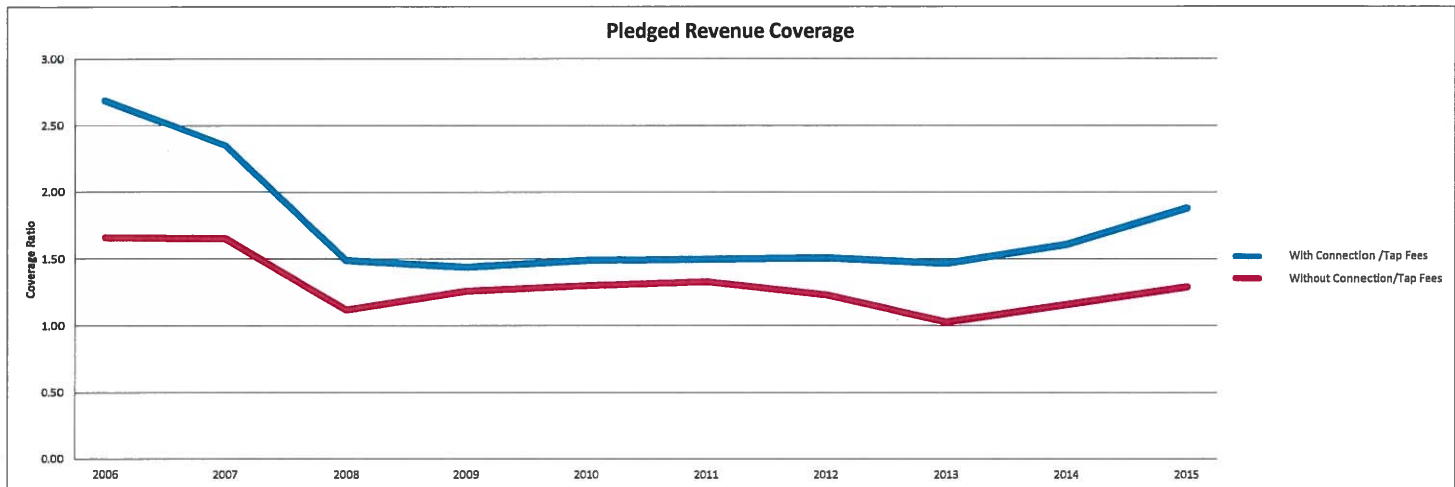
Debt Capacity

Cherokee County Water & Sewerage Authority

Schedule of Revenue Bond Coverage Last Ten Fiscal Years

Fiscal Year	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Operating Revenues	\$ 37,253,940	\$ 39,553,233	\$ 36,316,552	\$ 39,537,278	\$ 40,444,233	\$ 41,573,119	\$ 40,724,762	\$ 38,262,258	\$ 41,090,561	\$ 44,069,546
Connection Fees	12,748,513	9,385,153	5,421,472.00	2,692,117	2,775,016	2,440,500	4,129,792	6,370,896	6,364,148	8,444,815
Other Income	1,432,711	1,915,457	1,537,278.00	634,774	340,499	322,959	376,186	316,428	372,125	280,691
Gross Total Revenues	51,435,164	50,853,843	43,275,302.00	42,864,169	43,559,748	44,336,578	45,230,740	44,949,582	47,826,834	52,795,052
Less Operating Expenses Excluding Depreciation	18,171,303	19,548,887	21,336,664.00	21,602,447	21,881,731	22,632,817	23,361,631	23,751,079	24,677,100	25,727,489
Net Revenue Available	\$ 33,263,861	\$ 31,304,956	\$ 21,938,638	\$ 21,261,722	\$ 21,678,017	\$ 21,703,761	\$ 21,869,109	\$ 21,198,503	\$ 23,149,734	\$ 27,067,563
Total Highest Annual Debt Service	\$ 12,345,000	\$ 13,312,000	\$ 14,724,000	\$ 14,724,000	\$ 14,564,000	\$ 14,452,000	\$ 14,452,000	\$ 14,421,000	\$ 14,421,000	\$ 14,421,000
Coverage Ratio										
With Connection /Tap Fees	2.69	2.35	1.49	1.44	1.49	1.50	1.51	1.47	1.61	1.88
Without Connection/Tap Fees	1.66	1.65	1.12	1.26	1.30	1.33	1.23	1.03	1.16	1.29

Source: Cherokee County Water & Sewerage Authority Historical Financial Records



Cherokee County Water & Sewerage Authority

Ratios of Revenue Bond Debt Outstanding
Last Ten Fiscal Years

Fiscal Year	Revenue Bonds	Total Outstanding Debt	Debt to Number of Customers	Debt Per Capita	Debt as Share of Personal Income (%)
2006	174,760,740	174,760,740	2.89	937	2.58%
2007	196,238,070	196,238,070	3.14	960	2.68%
2008	192,262,862	192,262,862	3.03	913	2.52%
2009	187,574,711	187,574,711	2.93	872	2.57%
2010	182,437,556	182,437,556	2.84	851	2.44%
2011	176,796,705	176,796,705	2.73	809	2.20%
2012	169,609,038	169,609,038	2.59	768	1.98%
2013	163,133,456	163,133,456	2.45	725	1.81%
2014	163,242,202	163,242,202	2.40	707	1.71%
2015	155,712,493	155,712,493	2.25	674 ⁽¹⁾	1.63% ⁽²⁾

(1) 2014 Population data used to calculate debt per capita

(2) Personal Income Data used from 2014 to calculate debt as share of personal income

Note: The only outstanding debt is Revenue Bond debt

Sources: US Census Bureau, US Bureau of Economic Analysis

Cherokee County Water & Sewerage Authority

Schedule of Revenue Bonds Payable

Year Ending August 31,	Principal	Interest	Total
2016	7,130,000	7,283,553	14,413,553
2017	7,420,000	6,988,802	14,408,802
2018	7,755,000	6,654,553	14,409,553
2019	8,120,000	6,295,477	14,415,477
2020	8,520,000	5,896,877	14,416,877
2021-2025	48,490,000	22,678,010	71,168,010
2026-2030	43,405,000	10,077,063	53,482,063
2031-2035	19,460,000	2,695,150	22,155,150
Total	150,300,000	68,569,485	218,869,485

Source: Cherokee County Water & Sewerage Authority Historical Financial Records

Demographic and Economic Information

Cherokee County Water & Sewerage Authority
Principal Employers
Prior Year and Seven Years Ago

2014			
Employer	Employees	Rank	% of Total County Employment
Cherokee County Schools	4,354	1	7.11
Cherokee County Government	1,393	2	2.28
Northside-Cherokee Hospital	1,306	3	2.13
Wal-Mart Associates, Inc.	1,060	4	1.73
Publix Supermarkets	932	5	1.52
Pilgrim's Pride Corp.	825	6	1.35
Chart Inc.	562	7	0.92
Target	387	8	0.63
Reinhardt University	328	9	0.54
Universal Alloy Corporation	278	10	0.45
Totals	<u>11,425</u>		<u>18.67%</u>

2008			
Employers	Employees	Rank	% of Total County Employment
Cherokee County School System	5,000	1	*
Cherokee County Government	1,330	2	*
Pilgrims Pride Corp.	850	3	*
Northside-Cherokee Hospital	740	4	*
Universal Alloy Corporation	500	5	*
Meyn America, Inc.	285	6	*
Chart Inc.	262	7	*
Piolax Corporation	250	8	*
Reinhardt University	205	9	*
City of Woodstock	193	10	*
Totals	<u>9,615</u>		<u>0.00%</u>

* Information not available

Note: Most recent data available presented

Sources: Cherokee County Office of Economic Development

Cherokee County Water & Sewerage Authority

Demographic and Economic Statistics
Prior Year and Nine Years ago

Year	Estimated Population	Personal Income (Amounts Expressed in Thousands)	Per Capita Personal Income	Median Age	School Enrollment	Unemployment Rate %
2006	192,107	\$6,778,316	\$35,077	35.8	35,057	4.4
2007	204,363	\$7,311,828	\$36,100	33.8	36,276	4.3
2008	210,529	\$7,618,522	\$36,580	33.0	36,500	8.2
2009	215,084	\$7,311,454	\$34,450	35.2	38,105	10.0
2010	214,346	\$7,486,312	\$34,780	34.1	38,585	8.9
2011	218,500	\$8,054,368	\$36,898	36.3	38,290	7.9
2012	220,800	\$8,581,906	\$38,837	36.7	39,161	6.9
2013	225,106	\$8,988,534	\$39,930	36.0	39,324	6.0
2014	230,985	\$9,544,757	\$41,322	37.0	40,504	5.6

Note: Most recent data available is presented in table

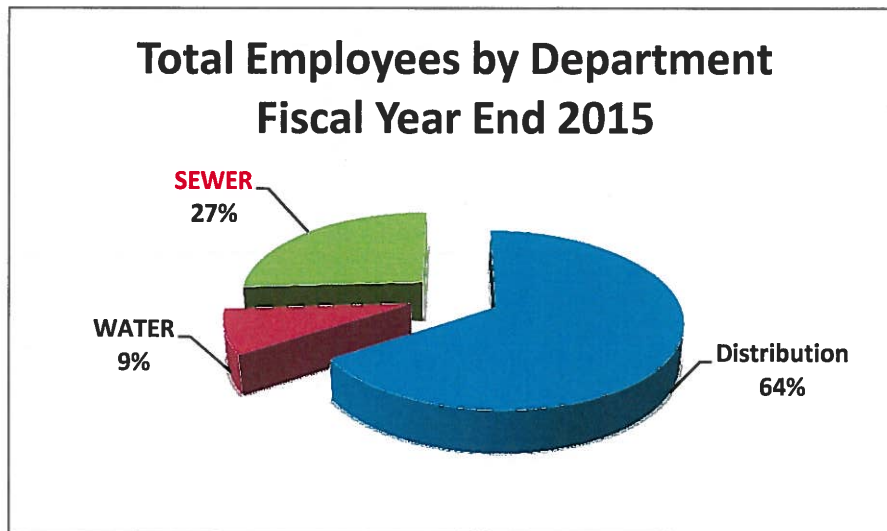
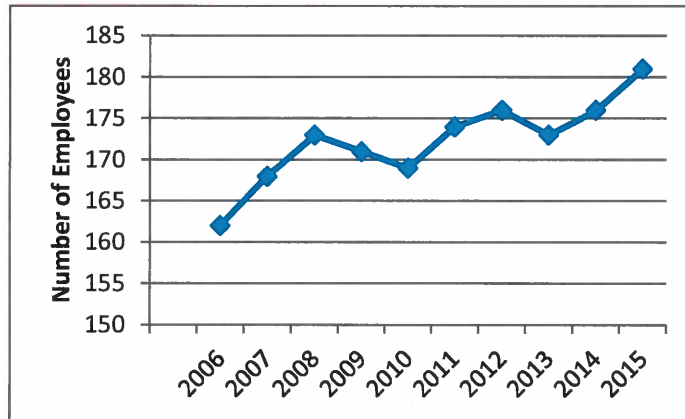
Sources: Bureau of the Census, Georgia Labor Market Explorer, Atlanta Regional Commission, US Bureau of Economic Analysis

Operating Information

Cherokee County Water and Sewerage Authority

Full-Time Water and Sewer Authority Employees by Department
Last Ten Fiscal Years

Fiscal Year End	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>
DISTRIBUTION:	98	102	107	108	107	110	113	111	113	119
WATER:	17	17	17	17	17	17	17	17	16	15
SEWER:	47	49	49	46	45	47	46	45	47	47
TOTAL EMPLOYEES:	162	168	173	171	169	174	176	173	176	181



Source: Cherokee County Water & Sewerage Authority Historical Data

Cherokee County Water & Sewerage Authority
Water Tank Storage Capacity
Last Ten Fiscal Years
(All Numbers are Presented in Million Gallons)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Ground Level Tanks										
Tunnel Hill 10 MG	10	10	10	10	10	10	10	10	10	10
Tunnel Hill 2 MG	2	2	2	2	2	2	2	2	2	2
Elevated Tanks										
Clayton	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Free Home	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Holly Springs	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Macedonia	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Nelson	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Rose Creek	1	1	1	1	1	1	1	1	1	1
Tyson	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Unviter #1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Univeter #2	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Yellow Creek	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Storage at Water Plant										
Clearwells 1-4	3.865	3.865	3.865	3.865	3.865	3.865	3.865	3.865	3.865	3.865
Total Finished Water Storage	21.015	21.015	21.015	21.015	21.015	21.015	21.015	21.015	21.015	21.015

Source: Cherokee County Water & Sewerage Authority Historical Data

Cherokee County Water & Sewerage Authority
Raw Water Supply in Reservoir
Last Ten Fiscal Years
(All Numbers are Presented in Million Gallons)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Drought Contingency Reservoir										
Yellow Creek	3,540	3,540	3,540	3,540	3,540	3,540	3,540	3,540	3,540	3,540
River										
Etowah	36	36	36	36	36	36	36	36	36	36
Water Available for Use	3,576	3,576	3,576	3,576	3,576	3,576	3,576	3,576	3,576	3,576
Average Daily Flow										
Average Daily Production	14.88	14.70	14.27	14.79	14.27	14.79	15.08	13.91	14.71	14.79
Daily Release Down Stream	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Daily Flow	14.88	14.70	14.27	14.79	14.27	14.79	15.08	13.91	14.71	14.79
Number of Days Supply	240	243	251	242	251	241	237	257	243	242

Source: Cherokee County Water & Sewerage Authority Historical Data

Comprehensive Annual Financial Report

IV. Compliance Section

Cherokee County Water & Sewerage Authority- Cherokee County, Georgia



B U S I N E S S A D V I S O R S
C E R T I F I E D P U B L I C A C C O U N T A N T S

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

INDEPENDENT AUDITORS' REPORT

Cherokee County Water and Sewerage Authority
Canton, Georgia

We have audited, in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the financial statements of Cherokee County Water and Sewerage Authority as of and for the year ended August 31, 2015, and the related notes to the financial statements, which collectively comprise Cherokee County Water and Sewerage Authority's basic financial statements, and have issued our report thereon dated November 27, 2015.

Internal Control over Financial Reporting

In planning and performing our audit of the basic financial statements, we considered Cherokee County Water and Sewerage Authority's internal control over financial reporting ("internal control") to determine the audit procedures that are appropriate in the circumstances for the purpose of expressing our opinion on the basic financial statements, but not for the purpose of expressing an opinion on the effectiveness of Cherokee County Water and Sewerage Authority's internal control. Accordingly, we do not express an opinion on the effectiveness of Cherokee County Water and Sewerage Authority's internal control.

A *deficiency in internal control* exists when the design or operation of a control does not allow management or employees in the normal course of performing their assigned functions, to prevent, or detect and correct misstatements on a timely basis. A *material weakness* is a deficiency, or a combination of deficiencies, in internal control, such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented, or detected and corrected on a timely basis. A *significant deficiency* is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control over financial reporting was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control over financial reporting that might be material weaknesses or significant deficiencies. Given these limitations, during our audit we did not identify any deficiencies in internal control over financial reporting that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

Compliance and Other Matters

As part of obtaining reasonable assurance about whether Cherokee County Water and Sewerage Authority's basic financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, and contracts, noncompliance with which could have a direct and material effect on the determination of financial statement amounts. However, providing an opinion on compliance with those provisions was not an objective of our audit and, accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

Purpose of this Report

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the entity's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the entity's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

AGH, LLC

AGH, LLC

November 27, 2015