

# CENTENNIAL WATER AND SANITATION DISTRICT

## COMPREHENSIVE ANNUAL FINANCIAL REPORT

For the year ended December 31, 2017 and 2018



*Prepared by:*  
Department of  
Finance & Administration  
Highlands Ranch, Colorado

***CENTENNIAL***  
***WATER and SANITATION DISTRICT***  
*Serving Highlands Ranch, Colorado*

**BASIC FINANCIAL STATEMENTS AND  
SUPPLEMENTAL INFORMATION**

**For the years ended  
DECEMBER 31, 2018 and 2017**

**CENTENNIAL WATER and SANITATION DISTRICT  
 COMPREHENSIVE ANNUAL FINANCIAL REPORT  
 For the Years Ended December 31, 2018 and 2017  
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# CENTENNIAL

## WATER AND SANITATION DISTRICT

June 14, 2019

To: The customers of Centennial Water and Sanitation District  
The Board of Directors

We are pleased to present the comprehensive annual financial report ("CAFR") of Centennial Water and Sanitation District ("District or Centennial") for the years ended December 31, 2018 and December 31, 2017.

This report was prepared by the Finance and Administration Department in conformance with the standards and requirements of the Governmental Accounting Standards Board, the American Institute of Certified Public Accountants, the Government Finance Officers Association, District resolutions and State statutes. State law requires that the District publish within seven months of the close of year end a complete set of financial statements audited by a firm of licensed certified public accountants.

District management assumes full responsibility for the completeness and reliability of the information contained in the report, based upon a comprehensive framework of internal control that was established for this purpose. Because the cost of internal control should not exceed anticipated benefits the objective is to provide reasonable, rather than absolute, assurance that the financial statements are free of any material misstatements. Disclosures necessary to enable the reader to gain an understanding of the District's activities have been included.

The financial statements have been audited by Haynie & Company a firm of licensed certified public accountants. Haynie has issued an unmodified opinion that the District's financial statements for the year ended December 31, 2018 are presented fairly. The independent auditor's report is located at the front of the financial section of the report. Haynie is in the eighth year of doing the audit after the Board extended the original five year engagement for an additional three years. The Board reviews proposals every five years although there is no mandatory rotation.

Management's Discussion and Analysis (MD&A) immediately follows the independent auditor's report and provides a narrative introduction, overview and analysis of the basic financial statements. The MD&A complements this letter of transmittal and should be read in conjunction with it.

### **PROFILE, RESPONSIBILITIES AND STRUCTURE OF THE DISTRICT**

Centennial Water and Sanitation District, a water and sanitation district organized as a political subdivision of the State of Colorado and as a quasi-municipal corporation created pursuant to Title 32, Colorado Revised Statutes, as amended, was organized in 1980.



62 West Plaza Drive  
Highlands Ranch, Colorado 80129  
[www.centennialwater.org](http://www.centennialwater.org)

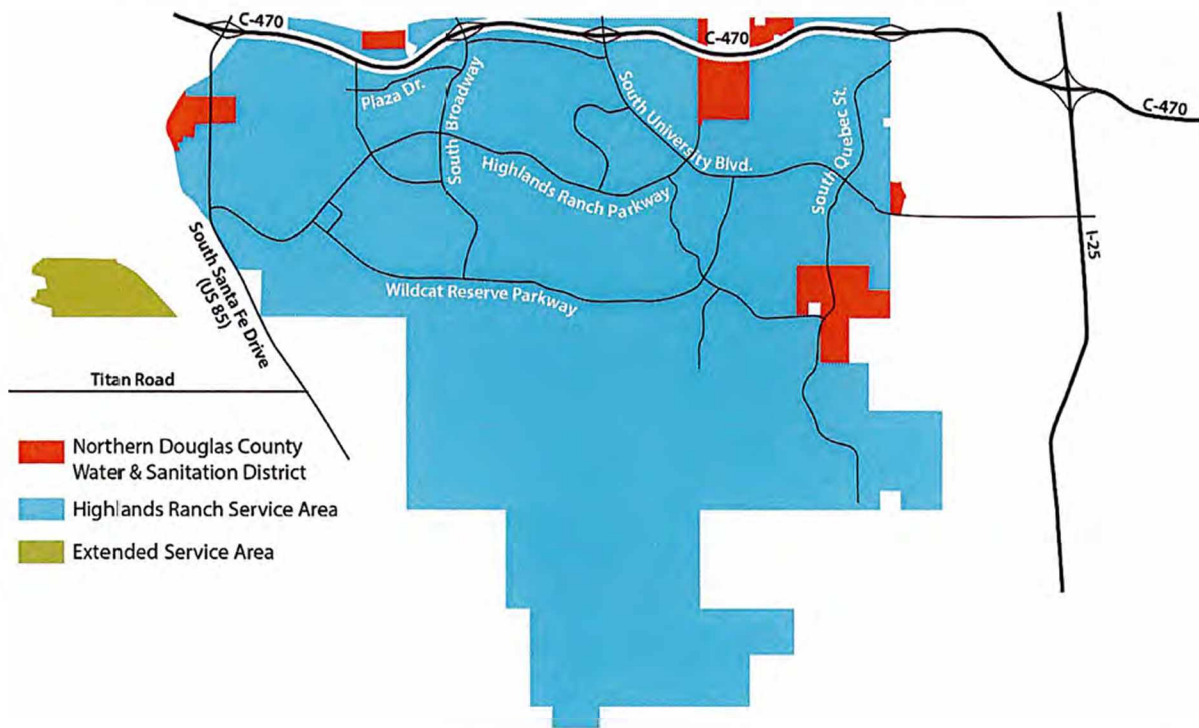
303-791-0430 Telephone  
303-791-0437 Engineering Fax  
303-791-3290 Financial Services Fax

The District provides wholesale water and sewer service to other Colorado special districts within its service area. These districts in turn retail these services to the ultimate user. Centennial's current full service customers are:

- Highlands Ranch Metropolitan District (“HRMD”). HRMD, the primary customer, provides service to Highlands Ranch, a master planned community in northern Douglas County, Colorado.
- Northern Douglas County Water and Sanitation District (“Northern Douglas”) who serves certain areas in Douglas County adjacent to Highlands Ranch.

The service area, which encompasses Highlands Ranch as its primary area as well as small adjacent areas to the east and west, is located in Douglas County, Colorado which is located at the southern edge of the Denver metropolitan area. Highlands Ranch enjoys a favorable economic environment in relation to other communities in the Denver Metro area.

## SERVICE AREA MAP



The District operates under a Board - General Manager form of government. Policymaking and legislative authority is vested in the Board, which consists of five non-partisan members elected at large. The Board is responsible, among other things, for passing resolutions, adopting the budget, appointing committees and hiring the District's general manager and the District's attorney. Board members are elected to four-year staggered terms with either two or three Board members elected every two years.

The District General Manager is responsible for carrying out the policies and resolutions of the governing board, for overseeing the day-to-day operations of the District, and directly manages three non-statutory departments (headed by appointed department heads) – Water and Wastewater Operations; Engineering; and Finance and Administrative Services.

The basis for determining the reporting entity is established by the Governmental Accounting Standards Board's (GASB) *Statement No. 14, The Financial Reporting Entity*. The financial reporting entity for the CAFR is Centennial Water and Sanitation District as legally defined. The District has no component units (legally separate entities for which the primary government is financially accountable).

**FACTORS AFFECTING FINANCIAL CONDITION**

*Revenue Base*

The District’s primary revenue sources are rates assessed based on water usage and consumption and reserved capacity fees based on tap fees assessed against new property as it is connected. The rates are designed to fund general operation and maintenance expenses, debt service, major repair reserves and portions of the water acquisition program. Reserved capacity fees pay for capital projects.

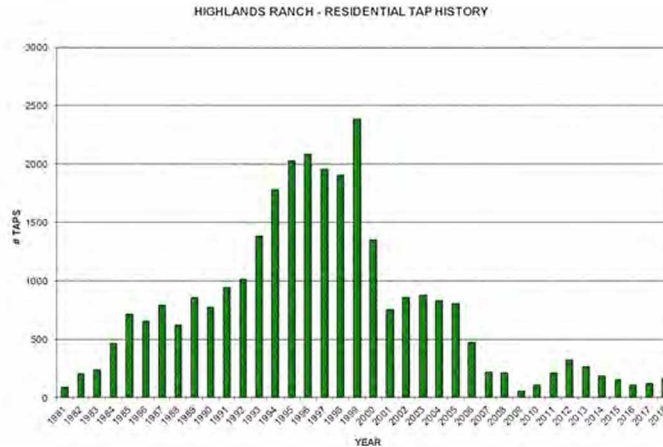
The District has historically benefited, especially in funding necessary infrastructure development, by strong growth within the Highlands Ranch community. As the community matures, the District relies more on the rate base that has been developed, complemented by continued growth potential for the remaining housing development and significant opportunities for commercial and retail growth.

Actual growth in 2018 for the two areas the District serves, the Highlands Ranch Metro District and Northern Douglas County Water and Sanitation District, can be summarized on the following table:

	<b>Highlands Ranch</b>	<b>Northern Douglas</b>
<b>In 2018</b>		
Single Family Residential	165	0
Multi Family Residential	237	56
Nonresidential acres	0	0
Nonresidential 3/4" equivalents	102	2
<b>1981 - 2018</b>		
Single Family Residential	28,925	1,528
Multi Family Residential	7,440	160
Nonresidential 3/4" equivalents		
Indoor Use	3,352	260
Irrigation Uses	2,476	

The annual growth pattern for residential property in Highlands Ranch, the largest share of the service area, since the inception of the District can be summarized on the following table:

With the 2018 development, Highlands Ranch has reached approximately 98% of the current anticipated ultimate development of single and multi-family residential dwelling units. The re-zoning request of the C-470 corridor described below will result in additional single and multi-family units which if approved will allow the overall residential development within Highlands Ranch to maintain a steady growth rate in relation to the Denver Metro area for the foreseeable future as it approaches maturity.



995 of the 1,333 net acres (74.6%) zoned for nonresidential development (and not anticipated to be developed with multi-family product) within the Highlands Ranch service area have been developed. The Highlands Ranch Business Park and C-470 corridor development, located off of Lucent Boulevard and the C-470 interchange will be the primary area for any additional office and retail development. Shea Homes and Shea Properties, the owners and developers of the referenced property requested to Douglas County the re-zoning of the property during 2015 in anticipation of development during the remainder of the decade. The re-zoning was approved by the County in 2016 and construction began in late 2016. There is no material growth anticipated in Northern Douglas County Water and Sanitation District.

Fiscal Policy and Fund Balance

Although the District is an enterprise and reports for financial purposes on that basis, for internal budgeting purposes and bond covenant compliance, traditional governmental funds have been established. The Board has formally adopted and includes as part of the annual budget process, policies related to the maintenance of the ending fund balances and the flow of net revenues in excess of those requirements.

The target ending fund balances for operations and debt service are as follows.

- The ending fund balance for operations will be 6 months of working capital.
- The ending fund balance for debt service will be equal to the next year’s debt service payment.

The District deposits directly to the Water Acquisition Fund an amount equal to \$.57 (increasing to \$.65 in 2019)/ 1,000 gallons of water billed.

The policy for transferring current assets in excess of the above requirements are:

- to the Reserve Fund
  - a transfer of \$2.5 million less any miscellaneous capital expenditures that occurred in the operations fund during the fiscal year
- to the Financial Assurance Fund
  - any remaining net current assets are transferred to a Financial Assurance Fund.
- each year during the adoption of the next year's budget the Board will review the forecasted fund balances and, if necessary, direct transfers from the Financial Assurance Fund to other funds to meet the financial needs of the District.

### Long Range Capital Improvement Planning and Debt Management

The District maintains a comprehensive multi-section Capital Improvements Plan that is reviewed on an annual basis and updated as necessary. The plan includes:

- a Facility Plan section details in the base infrastructure necessary to provide basic service at build out of the service area. This amount is funded from reserve capacity payments.
- a look at the short-term requirements for additional surface water acquisition.
- facilities required due to the changing regulatory environment. Funding will be evaluated for these facilities and upgrades as the improvements are required.

In recent years, accumulated reserved capacity fee collections have not only been sufficient to pay for all of the identified base infrastructure capital projects but also the capital projects fund balance which exceeds the identified remaining Facility Plan project costs. In the early years, debt was issued to fund all major capital outlay. In addition, future water acquisition and regulatory improvements may require some additional debt.

During 2018, the design phase of improvements at the wastewater treatment plant to meet regulatory requirements and address aging infrastructure was completed. The estimated cost of the project is \$83 million. Staff recommended, and in January 2019 the Board approved issuance of \$75 million in revenue bonds to fund the project. During debt issuance process, Standard & Poor's confirmed the District's rating at AAA and Fitch confirmed the rating of AA+.

The District achieved this level in part based on:

- Strength of the District's financial performance as indicated by five consecutive years of good debt service coverage and very strong liquidity.
- Overall low debt levels
- Ample water supply which officials believe will be sufficient to meet projected build out demand.

During 2013 the District applied for a Colorado Water Conservation Board Loan for up to 90% of the Chatfield Reallocation Project (described below) costs. In May 2014 the loan was approved by CWCB in 3 tranches with each at a rate of 3%. The proceeds will be distributed similar to a construction loan. Interest may be deferred until construction is complete but the District anticipates making semi-annual payments. Draws began in 2017. As of December 31, 2018 the total amount drawn was \$24,167,810.



### Pension and other employee benefits

The District does not participate in Social Security but does maintain a defined contribution pension plan. All regular District employees are required to participate in the Plan and are eligible on their date of hire. Eligible employees are required to contribute 6.2% of pay, which is matched by the District. The contribution level was established equivalent to the Social Security requirements and total contributions will be capped at the same maximum as established for Social Security contributions. In addition, the District offers all regular employees the option to contribute to a 457 plan. The District matches the employee contributions to the 457 plan up to a maximum of 4%.

The District is a member of the Colorado Special District Association pool that provides medical, dental, vision, short-term disability and life insurance benefits. The health insurance plans allow retirees who have reached age 50 and 15 years of service to retire and stay in the plan until age 65. All premiums are the responsibility of the retired employee. There are five past employees taking advantage of the benefit.

## **MAJOR INITIATIVES**

### Wastewater

The Colorado Water Quality Commission has approved regulations for more stringent standards for treating discharges from wastewater treatment plants across the state. The District awarded a construction contract in January 2019 to begin improvements to address regulatory requirements and address aging infrastructure.

### Water

The District has reviewed the water distribution system for any delivery constraints that may exist and that may be reduced or eliminated with additional capital outlay. The chosen option was another pump station. Construction of the new pump station began in 2017 and was substantially completed in 2018. The cost was \$9.4 million.

In 2018, the District engaged a consultant to complete a utility plan for the water treatment plant. Several improvements were identified to address aging infrastructure and improve efficiency. The capital plan anticipates addressing in phases. The first phase is estimated to be \$20 million and will be completed in the next three to five years.

Additional supplies of renewable surface water to supplement the existing water portfolio are planned through participation in two major regional projects.

- The District is a major participant in reallocating flood storage space to municipal uses in Chatfield Reservoir. The final phase of approval through the US Army Corps of Engineers was approved in October 2014. The District's initial share was estimated to ultimately cost approximately \$50 million. In October 2017 the District was notified of an increase to the cost estimate bringing the total commitment to \$57 million. The District requested an increase in the loan amount and it was approved in May 2018. Funding was placed in an escrow during 2015 with funding coming from cash reserves and from the CWCB loan described above. It is anticipated that repayment will come entirely from the increase in the Water Acquisition portion of the rates.

- The second project involves participation in a regional drinking water supply to several communities in the area in cooperation with Denver Water and the City of Aurora. The “WISE” project will incur capital costs of up to \$8 million for infrastructure, in addition to an annual rate charge per thousand gallons as actual deliveries take place. Multiple agreements were executed in 2014, the capital construction began in 2015 and the District completed the local connection and deliveries began in 2018. The project financing will be through the use of existing cash balances and rates.

### **AWARDS AND ACKNOWLEDGMENTS**

The Government Finance Officers Association of the United States and Canada (GFOA) awarded a Certificate of Achievement for Excellence in Financial Reporting to Centennial Water and Sanitation District for its comprehensive annual financial report for the year ended December 31, 2017. The District received the Certificate of Achievement for the twentieth consecutive year.

In order to be awarded a Certificate of Achievement, a government unit 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 our current report continues to conform to the Certificate of Achievement program requirements, and we are submitting it to GFOA to determine its eligibility for another certificate.

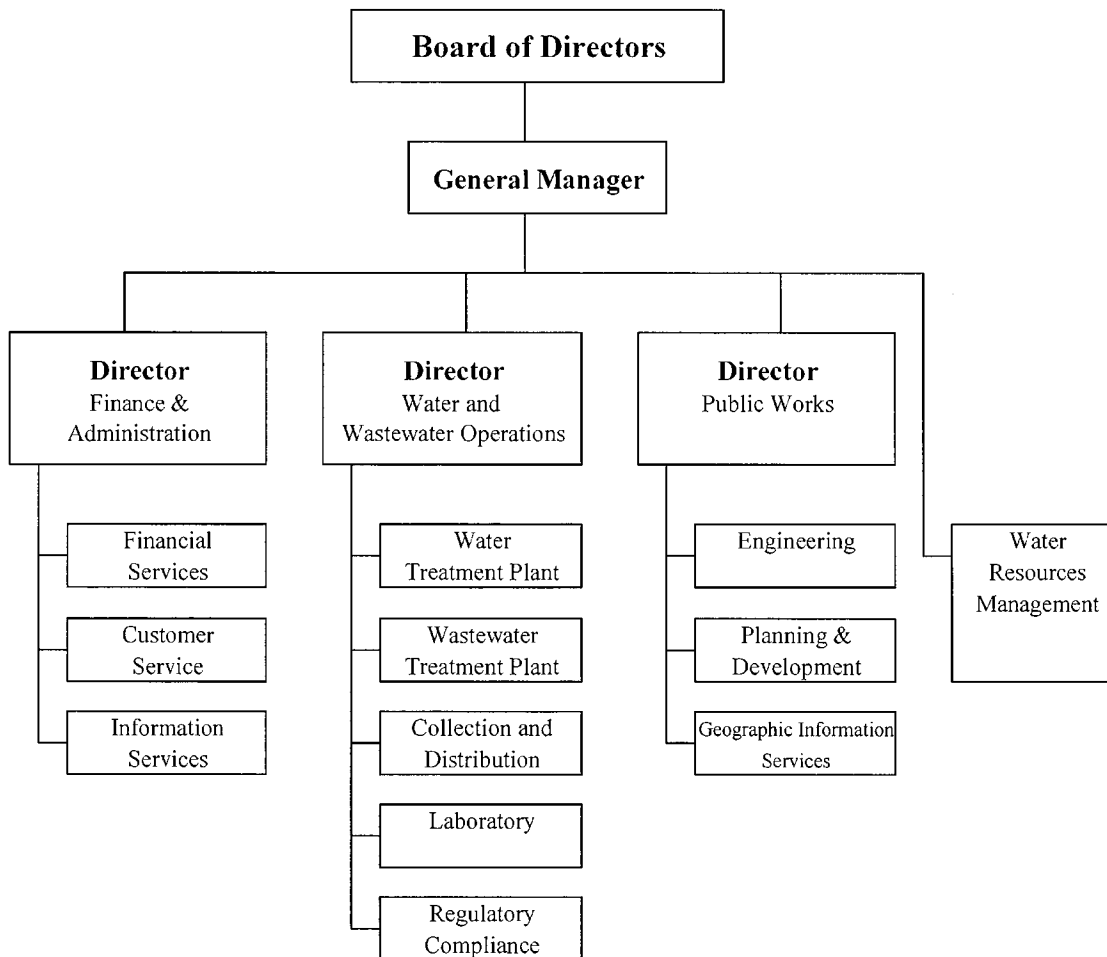
The preparation of this report could not have been accomplished without the efficient and dedicated services of the entire staff of the Financial Services Department. I would like to express my appreciation to all members of the department who assisted and contributed to the preparation of this report. Due credit also should be given to the Board of Directors for their interest, support and responsiveness in planning and conducting the operations and financial affairs of the District.

Respectfully submitted,



Stephanie Stanley  
Director, Finance and Administration

# Centennial Water and Sanitation District



CENTENNIAL WATER and SANITATION DISTRICT  
HIGHLANDS RANCH, COLORADO

BOARD OF DIRECTORS AND DISTRICT OFFICIALS

ELECTED BOARD OF DIRECTORS  
AS OF DECEMBER 31, 2018

<u>OFFICE</u>		<u>TERM OF OFFICE</u>
CHAIR	Terri Kershnik	May 2016 - May 2020
VICE-CHAIR	John Kilrow	May 2016 - May 2020
TREASURER	Jeffrey Kappes	May 2016 - May 2020
ASST. SECRETARY	Jeff Donelson	May 2018 - May 2022
ASST. SECRETARY	Tim Roberts	May 2018 - May 2022

APPOINTED DISTRICT OFFICIALS

GENERAL MANAGER

John Kaufman

DIRECTOR, FINANCE AND ADMINISTRATION

Stephanie Stanley

DIRECTOR, WATER & WASTEWATER OPERATIONS

Ken Lykens

DIRECTOR, PUBLIC WORKS

Jeff Case



Government Finance Officers Association

Certificate of  
Achievement  
for Excellence  
in Financial  
Reporting

Presented to

**Centennial Water and Sanitation District  
Colorado**

For its Comprehensive Annual  
Financial Report  
for the Fiscal Year Ended

**December 31, 2017**

*Christopher P. Morvill*

Executive Director/CEO



**Certified Public Accountants** (a professional corporation)  
1221 West Mineral Ave, Ste. 202 Littleton, Colorado 80120-4544 (303) 734-4800 Fax (303) 795-3356

## INDEPENDENT AUDITOR'S REPORT

To the Board of Directors  
Centennial Water & Sanitation District  
Highlands Ranch, Colorado

We have audited the accompanying financial statements of Centennial Water & Sanitation District (the "District") as of and for the years ended December 31, 2018 and 2017 and the related notes to the financial statements, which collectively comprise the District's basic financial statements as listed in the table of contents.

### Management's Responsibility for the Financial Statements

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.

### Auditor's Responsibility

Our responsibility is to express opinions 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. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement.

An audit 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 opinions.

### Opinions

In our opinion, the financial statements referred to above present fairly, in all material respects, the respective financial position of Centennial Water & Sanitation District, as of December 31, 2018 and 2017, and the respective changes in financial position and cash flows thereof for the years then ended in accordance with accounting principles generally accepted in the United States of America.



An independently owned member  
RSM US Alliance



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(801) 479-4800

873 North Cleveland Avenue  
Loveland, Colorado 80537  
(303) 577-4800

2702 N. Loop 1604 E., Ste. 202  
San Antonio, TX 78232  
(210) 979-0055

## **Other Matters**

### *Required Supplementary Information*

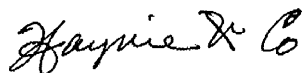
Accounting principles generally accepted in the United States of America require that the management's discussion and analysis, as listed in the table of contents, be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required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

### *Other Information*

Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise Centennial Water & Sanitation District's financial statements as a whole. The introductory, supplemental information and statistical sections are presented for purposes of additional analysis and are not a required part of the financial statements.

The supplemental information as listed in the table of contents 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. Such information has been subjected to the auditing procedures applied in the audit of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the information is fairly stated in all material respects in relation to the financial statements as a whole.

The introductory and statistical sections have not been subjected to the auditing procedures applied in the audit of the basic financial statements and, accordingly, we do not express an opinion or provide any assurance on them.



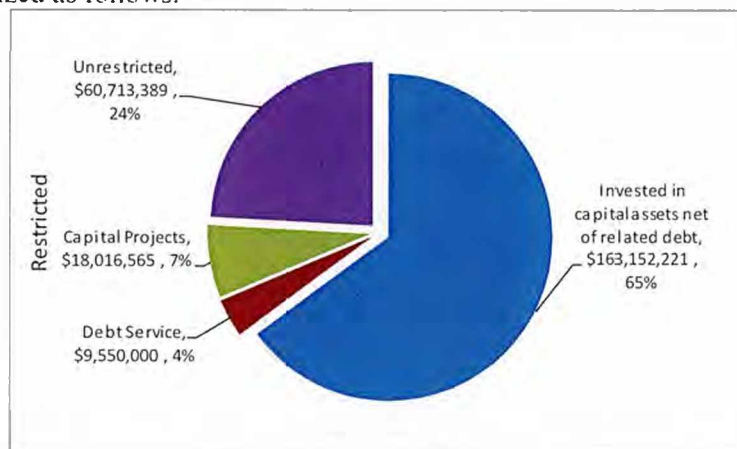
Littleton, Colorado  
May 31, 2019

## Management's Discussion and Analysis

As management of the Centennial Water and Sanitation District we are pleased to provide a discussion and analysis of the District's 2018 financial statements. This narrative overview provides a more detailed and insightful examination of the financial condition and operating results for the fiscal year ended December 31, 2018 as well as information on any financial issues and activities. We encourage readers to consider the information presented here in conjunction with additional information in our letter of transmittal, which can be found on pages i to vii of this report.

### Financial Highlights

Net position represents the amount that assets and deferred outflow of resources exceed liabilities. At the close of the current fiscal year the District had a net position of \$251,432,175, an increase of \$11,281,372 or 4.7% over the fiscal 2017 net position. The components of the 2018 net position are categorized as follows:



- Liabilities increased by \$15,454,250 during 2018 to a year-end balance of \$61,370,889.
  - The most significant portion of the liabilities is related to the District's long-term debt consisting of revenue bonds payable and to a lesser extent compensated absences.
  - Revenue bonds payable, increased by \$16,608,751 (40%) to a total outstanding balance of \$58,422,810. The District made scheduled principal payments on the outstanding issues. The District drew on the loan with Colorado Conservation Water Board for the Chatfield Reallocation Project.
- Prudent fiscal stewardship by the District continues.
  - Monitoring of its reserve policy to ensure that the District has financial stability during both changing economic times as well as annual revenue fluctuations due to changing water demands. The Board has created reserves for major equipment repair and replacement; funding of additional acquisition of sustainable water supplies and a financial assurance fund. This fund can be used for various Board determined purposes with its primary purpose being rate stability however it can be used for debt payments and acquisition of water supplies.
  - Employee related costs remain manageable.
    - The District has a performance based pay plan that compares wages with comparable wages in the Denver metro area.
    - The cost of employee benefits remains manageable as the result of maintaining a defined contribution plan and annual review of employee benefits. The base health insurance plan was unchanged during 2018. Employees shared in any premium increases based on the existing premium sharing arrangement with the employees.



## Overview of the Financial Statements

This discussion and analysis is intended to serve as an introduction to the District's basic financial statements.

The District's financial statements included in this annual report are those of a special purpose government engaged only in a business-type activity. The statements are comprised of two components: 1) basic financial statements and 2) notes to the financial statements. This report also contains other supplementary information in addition to the basic financial statements themselves.

The following **basic financial statements** are included:

- The *statement of net position* presents information on all of the District's assets and liabilities, with the difference between the two reported as *net position*. Over time, increases or decreases in net position may serve as a useful indicator of whether the financial position of the District is improving or deteriorating (see pages 1-2).
- The *statement of revenues, expenses and changes in net position* presents information showing how the District's net position changed during the most recent fiscal year. All changes in net position are reported as soon as the underlying event giving rise to the change occurs, *regardless of the timing of related cash flows*. Thus, revenues and expenses are reported in this statement for some items that will only result in cash flows in future fiscal periods (e.g., earned but unused vacation leave). The statement reports the District's operating and nonoperating revenue by source along with operating and nonoperating expenses and capital contributions (see page 3).
- The *statement of cash flows* reports the District's cash flows from operating activities, investing, capital and noncapital activities (see page 4).

The **notes to the financial statements** provide additional information that is essential to a full understanding of the data provided in the government-wide and fund financial statements. The notes to the financial statements can be found beginning on page 5 of this report.

In addition to the basic financial statements and accompanying notes, this report also presents certain **supplementary information** concerning the District's budgetary comparisons. Supplementary information can be found immediately after the notes.

## Financial Analysis

### Net position

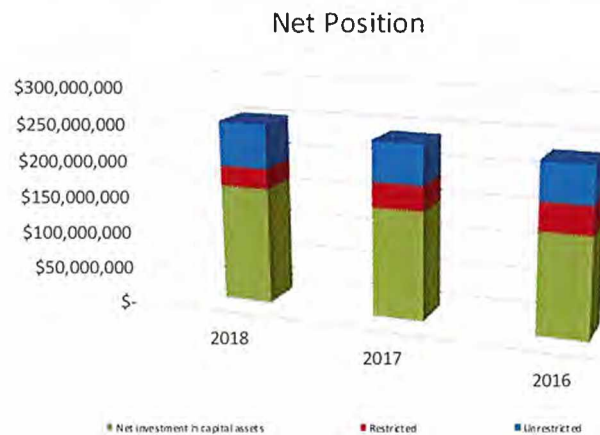
As discussed above, net position serves over time as a useful indicator of a government's financial position.

- Net position continued to improve in 2018 as at December 31, 2018 District assets exceeded liabilities by \$251,432,175 an increase of \$11,281,372 or 4.7% from December 31, 2017.
- Net position was \$240,150,803 at December 31, 2017, an increase of \$9,990,962 or 4.3% from December 31, 2016.

The following tables summarize the current years change in various component of net position:

	Condensed Statement of Net Position						
	As of December 31,			2018-2017		2017-2016	
	2018	2017	2016	Increase (Decrease)	% Change	Increase (Decrease)	% Change
<b>Assets</b>							
Current assets	\$ 62,999,480	\$ 56,559,679	\$ 53,250,539	\$ 6,439,801	11.39%	\$ 3,309,140	6.21%
Current restricted assets	28,228,552	36,181,686	38,506,983	(7,953,134)	-21.98%	(2,325,297)	-6.04%
Capital assets net of accumulated	220,555,101	191,916,339	184,539,071	28,638,762	14.92%	7,377,268	4.00%
Total assets	311,783,133	284,657,704	276,296,593	27,125,429	9.53%	8,361,111	3.03%
Deferred outflow of resources	1,019,930	1,409,738	1,844,346	(389,808)	-27.65%	(434,608)	-23.56%
<b>Liabilities</b>							
Current liabilities payable from current assets	1,947,183	1,840,086	1,564,762	107,097	5.82%	275,324	17.60%
Current liabilities payable from restricted assets	6,824,621	8,008,623	5,874,600	(1,184,002)	-14.78%	2,134,023	36.33%
Long-term debt	52,599,085	36,067,930	40,541,736	16,531,155	45.83%	(4,473,806)	-11.04%
Total liabilities	61,370,889	45,916,639	47,981,098	15,454,250	33.66%	(2,064,459)	-4.30%
<b>Net Position</b>							
Net investment in capital assets	163,152,221	151,512,018	140,428,065	11,640,203	7.68%	11,083,953	7.89%
Restricted	27,566,565	34,230,756	38,417,606	(6,664,191)	-19.47%	(4,186,850)	-10.90%
Unrestricted	60,713,389	54,408,029	51,314,170	6,305,360	11.59%	3,095,859	6.03%
Net position	\$ 251,432,175	\$ 240,150,803	\$ 230,159,841	\$ 11,281,372	4.70%	\$ 9,990,962	4.34%

The components that comprise net position have changed as shown below:



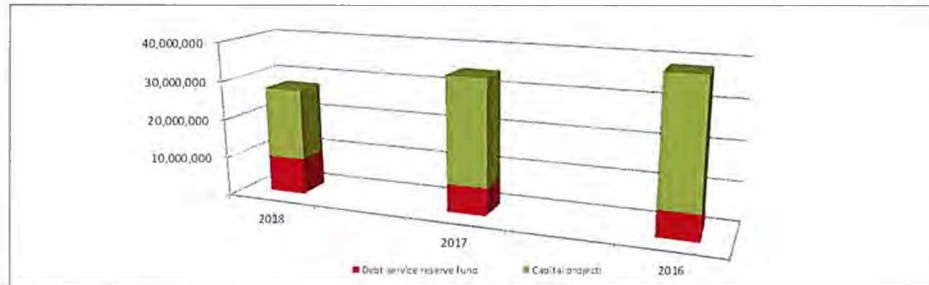
As would be expected for a utility, the largest portion of the District's net position is the net investment in capital assets (65 percent). This category reflects the District's total historic investment, at cost, in capital assets (e.g., infrastructure, plant, buildings, water rights, machinery, and equipment); less any related outstanding debt used to acquire those assets.

Capital assets are used to provide services to customers; consequently, these assets are *not* available for future spending. Although the Centennial Water and Sanitation District's investment in its capital assets is reported net of related debt, it should be noted that the resources needed to repay this debt must be provided from other sources, since the capital assets themselves cannot be used to liquidate these liabilities. The table above summarizes how the amount changed during 2018. The changes in each of the components from December 31, 2017 to December 31, 2018 are summarized in the following table.

	Net Investment		Restricted	
	in Capital Assets	Debt Service	Capital Projects	Unrestricted
Balance December 31, 2017	\$ 151,512,018	\$ 7,257,405	\$ 26,973,351	\$ 54,408,029
Change in net position				11,281,372
Paid principal	5,990,000			(5,990,000)
Debt issuance	(22,598,745)			22,598,745
Capital outlay	35,019,323		(8,956,786)	(26,062,537)
Depreciation (net of retirements)	(6,380,566)			6,380,566
Adjust deferred amount of refunding	(389,808)			389,808
Adjust to next years P&I		2,292,595		(2,292,595)
Balance December 31, 2018	\$ 163,152,221	\$ 9,550,000	\$ 18,016,565	\$ 60,713,389

The District has restricted assets (11 percent) consistent with various legal and other outside restrictions. Restricted net position consists of a debt service reserve fund and the capital projects fund that is restricted due to contractual provision in the intergovernmental service agreement and bond proceeds.

- \$9,550,000 has been restricted for the payment of the 2019 debt service. The Board has determined that, in order to guarantee future compliance with various provisions of bond covenants, it would be appropriate to restrict an amount equal to the following years scheduled debt service payments. As a result the financial statements reflect these restricted assets.
- \$18,016,565 is related to unexpended reserved capacity payments received from the various governmental entities that the District serves. This amount is restricted on the books for the construction of future capital projects required to provide service pursuant to the terms of the agreements with the entities served by the District. The funds may be transferred at the discretion of the Board to be used for the payment of principal on debt service previously issued to construct projects built to provide the contract service as needed.



	2018-2017		2017-2016	
	Increase (Decrease)	% Change	Increase (Decrease)	% Change
Debt service reserve fund	\$ 2,292,595	31.59%	\$ 444,405	6.52%
Capital projects	\$ (8,956,787)	-33.21%	\$ (4,631,255)	-14.65%

After considering the above restrictions, the District has unrestricted net position that may be used to meet the government's ongoing obligations to citizens and creditors of \$60,727,039. The District has internally designated by resolution as part of the budget process three distinct reserves for funding future requirements in addition to the restricted funding identified above:

- a major repair, maintenance and replacement of equipment reserve
- a long term surface water acquisition reserve
- a financial assurance fund

As of December 31, 2018 the amount designated for the first two reserves was approximately \$35 million from unrestricted net position accumulated for the fiscal year and in total as shown below:

	Major Repair		Water Acquisition		Combined
	Current	Cumulative	Current	Cumulative	
	Year		Year		
Funding sources					
Rates	\$ 2,500,000	\$ 23,397,418	\$ 3,041,396	\$ 21,674,855	\$ 45,072,273
Development fees	-	-	871,920	20,137,548	20,137,548
Misc. Income	-	92,533	3,698	20,427	112,960
Interfund Transfers	-	-	-	2,056,850	2,056,850
Expended	(627,287)	(3,303,933)	(24,753,242)	(29,056,873)	(32,360,806)
	<b>\$ 1,872,713</b>	<b>\$ 20,186,018</b>	<b>\$ (20,836,228)</b>	<b>\$ 14,832,807</b>	<b>\$ 35,018,825</b>

The financial assurance fund increased by \$3.7 million resulting in a total fund balance of \$12.7m as of December 31, 2018. This fund is not required based on the financial position of the District but has been created by the Board consistent with bond covenant provisions.

The remaining \$13 million of unrestricted assets is sufficient to meet the 6 months of working capital that has been targeted by District policy to be maintained.

Other significant changes (those in excess of \$1m) in the statement of net position were as follows:

- **RESTRICTED ASSETS** in 2018 *decreased* \$8m or 22% from 2017, after *decreasing* \$2.3m or 6% between 2017 and 2016.
- **CAPITAL ASSETS, NET** are discussed more fully under capital related assets.
- **LONG TERM DEBT** in 2018 *increased* \$16.5m or 46% from 2017 after *decreasing* \$4.5m or 11% between 2017 and 2016. In 2018 the outstanding debt was increased by draws on the Colorado Water Conservation Board loan for the Chatfield Reallocation Project. In 2017 the outstanding debt was reduced by scheduled principal payments plus amortization of premiums and discounts.

### Changes in net position

The following table summarizes the components of changes in net position and the impact on total net position:

	Condensed Statement of Changes in Net Position			2018-2017		2017-2016	
	2018	2017	2016	Increase (Decrease)	% Change	Increase (Decrease)	% Change
<b>Operating income</b>							
Operating revenue:							
Water operations	\$ 28,512,675	\$ 25,958,136	\$ 26,124,365	\$ 2,554,539	9.8%	\$ (166,229)	-0.6%
Wastewater operations	10,442,472	10,036,591	9,712,521	405,881	4.0%	324,070	3.3%
Total operating revenues	\$ 38,955,147	\$ 35,994,727	\$ 35,836,886	2,960,420	8.2%	157,841	0.4%
Business operating expense:							
Water operations	13,986,440	12,972,389	12,293,103	1,014,051	7.8%	679,286	5.5%
Wastewater operations	4,724,790	4,296,289	4,693,610	428,501	10.0%	(397,321)	-8.5%
Administrative and general	7,158,519	7,015,519	6,438,264	143,000	2.0%	577,255	9.0%
Noncapitalized major repair	480,482	581,383	860,597	(100,901)	-17.4%	(279,214)	-32.4%
Total business operating expenses	26,350,231	24,865,580	24,285,574	1,484,651	6.0%	580,006	2.4%
Direct business related income	12,604,916	11,129,147	11,551,312	1,475,769	13.3%	(422,165)	-3.7%
Non-cash operating expenses:							
Depreciation	6,404,333	6,629,523	6,638,711				
Total non-cash operating expenses	6,404,333	6,629,523	6,638,711	(225,190)	-3.4%	(9,188)	-0.1%
Operating income	6,200,583	4,499,624	4,912,601	1,700,959	37.8%	(412,977)	-8.4%
<b>Non-operating income</b>							
Non-operating revenue:							
Net investment income (loss)	1,504,109	924,377	810,284	579,732	62.7%	114,093	14.1%
Gain on disposal of equipment	67,561	15,940	38,290	51,621	323.8%	(22,350)	-58.4%
Other Income	-	1,167,517	8,385	(1,167,517)	-100.0%	1,159,132	13824%
Total non-operating revenues	1,571,670	2,107,834	856,959	(536,164)	-25.4%	1,250,875	146.0%
Non-operating expense:							
Interest	1,539,890	1,381,579	1,596,732	158,311	11.5%	(215,153)	-13.5%
Other	249,540	379,180	85,519	(129,640)	-34.2%	293,661	343.4%
Total non-operating expenses	1,789,430	1,760,759	1,682,251	28,671	1.6%	78,508	4.7%
Income (loss) before contributions	5,982,823	4,846,699	4,087,309	1,136,124	23.4%	759,390	18.6%
Capital Contributions	5,298,549	5,144,263	3,578,061	154,286	3.0%	1,566,202	43.8%
Change in net position	11,281,372	9,990,962	7,665,370	\$ 1,290,410	12.9%	\$ 2,325,592	30.3%
Net position - beginning	240,150,803	230,159,841	222,494,471				
Net position - ending	\$ 251,432,175	\$ 240,150,803	\$ 230,159,841				

As shown on the above table, net position increased in 2018 by \$11.3m (4.7%) compared to \$9.9m (4.3%) in 2017 and \$7.7m (3.4%) in 2016. The day to day business related income from operations (operating revenues less operating expenses before the non-cash expenses for depreciation and amortization) increased the District's net position by \$12,604,916 in 2018. When the income from business operations is adjusted for depreciation, amortization and non-capitalized major repairs, operating income in 2018 was available to contribute \$6,200,583 towards the payment of interest on the District's outstanding debt and the transfer to the reserves discussed previously.

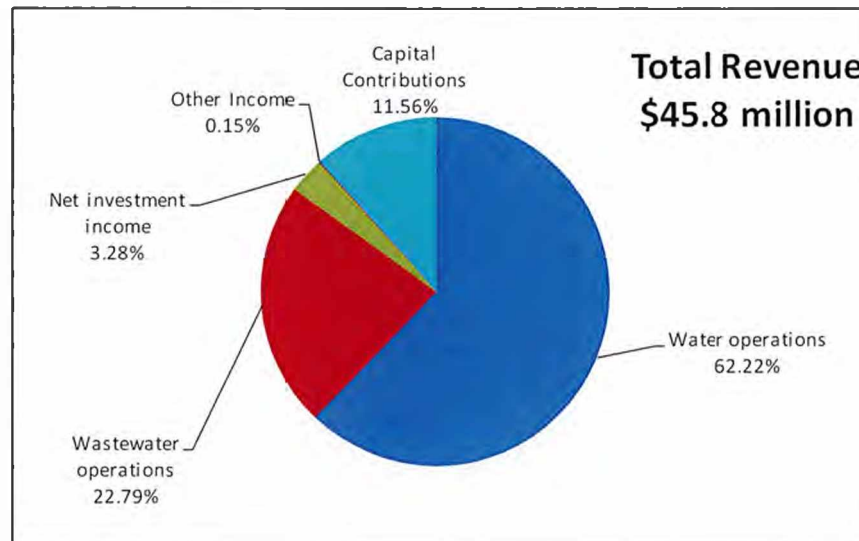
The more critical components of the change are related to the income and expenses directly related to business operations and capital contributions. These two areas generate the funding to make the annual debt service payments.

- Direct business related operating income in 2018, before considering depreciation and amortization, was \$12,604,916 an increase of \$1.5m from 2017 which was a decrease of \$0.4m over 2016.
- Capital contributions continued as a significant revenue source, increasing both total net position and the restricted net position for capital projects. Capacity fees, which are in excess of the actual physical connection costs, are designed to recover the cost of building the entire system of infrastructure necessary to serve the customer base. These capital contributions are restricted by intergovernmental agreements for use either to construct capital assets or to repay the principal on debt used to fund prior capital assets.

Key elements contributing to the changes in net position are more fully described below.

## Revenues and Capital Contributions

The pie chart below provides a perspective of 2018 relationship between revenues and capital contributions to the total funding by these sources.



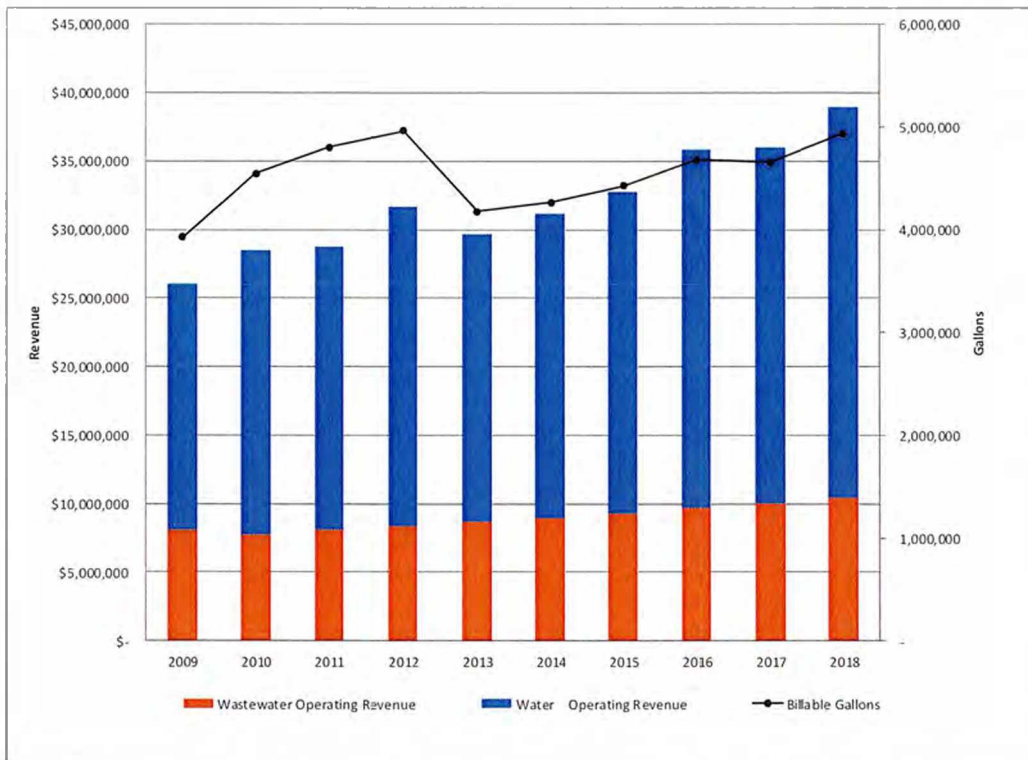
### Operating revenues

Water revenues are generated using a structure based on individual customer water budgets. The innovative structure is designed for and continues to generate sufficient revenues to comply with the requirements found in the District's bond covenants and to meet the internal objectives defined by the Board during both drought and wet year scenarios. The rate structure includes the following key elements and objectives:

- "Water Budgets" established for each individual customer that are the basis for a steeply increasing block rate structure to encourage conservation
- A significant fixed rate "Water Service Availability Fee" charged to customers is intended to increase the fixed revenue for the District to better match the costs of paying debt service and customer related billing costs as well as establishing appropriate reserves for equipment replacement.
- Accumulation of funds for major repair and/or replacement of equipment
- Accumulation of funds for long-term water acquisition.

Wastewater revenues for residential wastewater service are annually adjusted based on the individual homes monthly wintertime water consumption for selected bi-monthly billing periods as a proxy for actual sewer flows during the entire year. The residential wastewater charges require a minimum per bimonthly billing based on the approved rate. The minimum includes 3,000 gallons. The actual bi-monthly rate to the consumer is then determined for each individual household based on its wintertime consumption multiplied by the then current rate (which is also the nonresidential rate) for usage greater than 3,000 gallons plus the minimum amount.

The following table demonstrates the volatility in total operating revenues, primarily water over the last 10 years.



The operating revenues were influenced by the following:

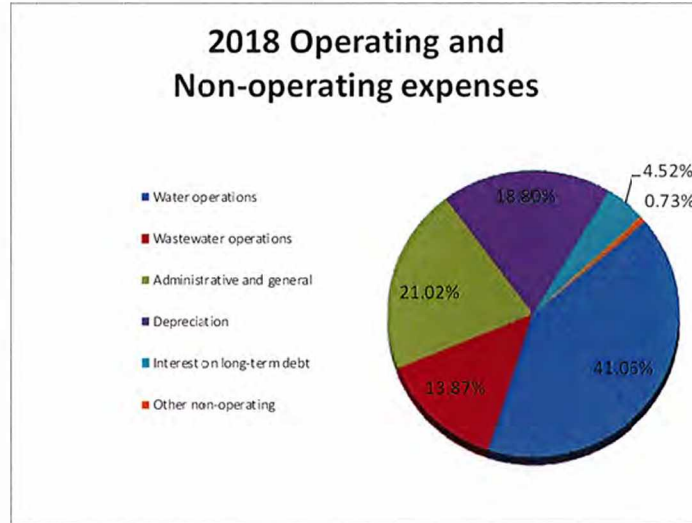
- Water 2018 vs. 2017 – operating revenue from rates charged for water consumption increased 10.4% in 2018
  - the base water rates per 1,000 gallons increased from \$3.41 to \$3.63
  - overall consumption increased 6% from 2017
- Water 2017 vs. 2016 – operating revenue from rates charged for water consumption increased 6.2% in 2017
  - the base water rates per 1,000 gallons increased from \$3.21 to \$3.41
  - overall consumption decreased 0.5% from 2016
  - surcharge revenue for all users increased slightly due to rate increase
- Wastewater 2018 vs. 2017 – operating revenue from rates charged for wastewater increased 4.0% in 2018
  - the base wastewater rates per 1,000 gallons increased from \$3.08 to \$3.20
  - wintertime consumption, the basis for the charge for residential customers has stabilized around 8,500 gallons bi-monthly.
- Wastewater 2017 vs. 2016 – operating revenue from rates charged for wastewater increased 1.6% in 2017
  - the base wastewater rates per 1,000 gallons increased from \$3.03 to \$3.08
  - wintertime consumption, the basis for the charge for residential customers continues to decrease slightly but showed signs of stabilizing

**Non-operating revenues**

- Capital contributions are paid by Highlands Ranch Metropolitan District and Northern Douglas County Water and Sanitation District. In 2018, generated by the contractual requirement for the acquisition of reserved capacity in the District’s system, the contributions amounted to \$5,298,549 primarily from Highlands Ranch Metropolitan District. This was an increase of \$154,286 from the total capital contributions received in 2017.

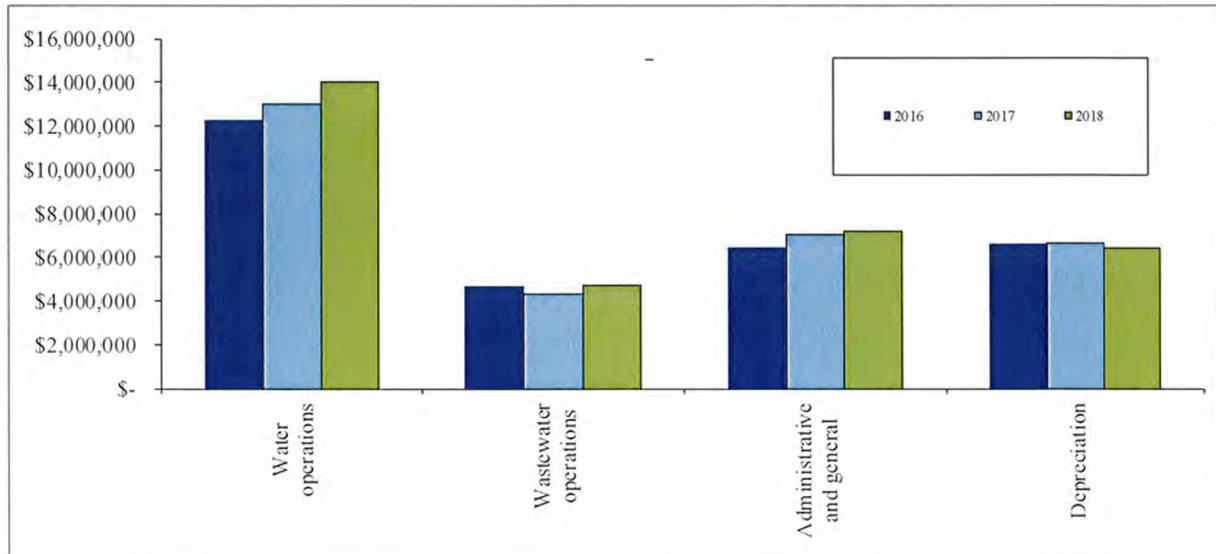
**Operating and Non-operating Expenses**

The pie chart below summarizes the 2018 operating and non-operating expenses by type.



**Operating expenses**

The relationship between the major components for the 2018, 2017 and 2016 operating expenses can be further broken down:

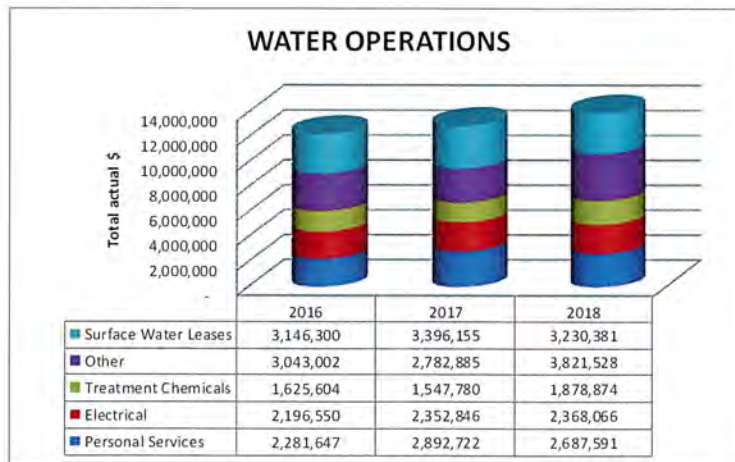


- District operating expenses are predominantly fixed and therefore change little in response to demands. Typical fixed costs which represent approximately 75% of the budget include:



- cost of personal services - fixed within the production needs for each function subject to annual increases in wages and benefits and new positions that may be necessary, both of which require specific Board approval.
- contracted services include base contractual obligations for the purchase of water, significant legal related expenses and insurance. The purchase of water may vary when certain economic opportunities are presented to the Board.
- materials and supplies for routine maintenance
- purchased services related to maintenance; outside lab services etc.
- In addition to the above fixed costs, the electrical and chemical costs are semi-variable. These semi-variable costs change in a very narrow stepped pattern as various production trains are started to accommodate different production levels.

**WATER OPERATIONS** expense in 2018 *increased* \$1.0m or 7.8% from 2017 after *increasing* \$0.7m or 5.5% between 2017 and 2016

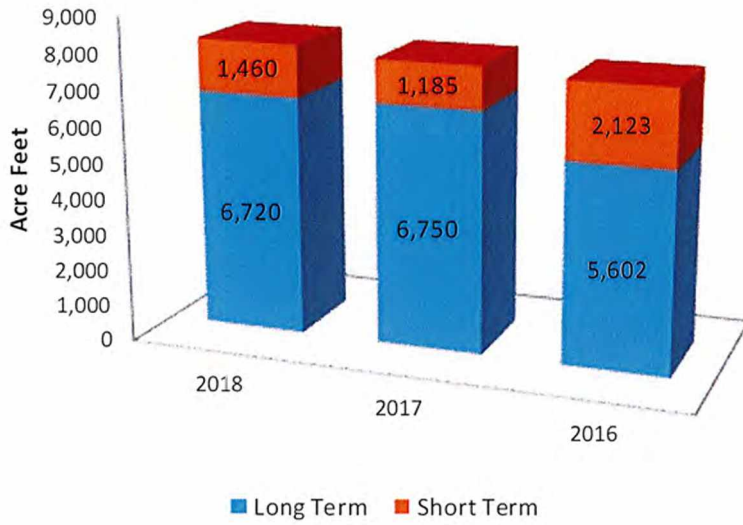


Personal services, which includes wages and benefits, increases each year due to market adjustments and promotions. Although budgeted FTE's remained unchanged during the period, actual annual costs are impacted by position vacancies that may occur during the year.

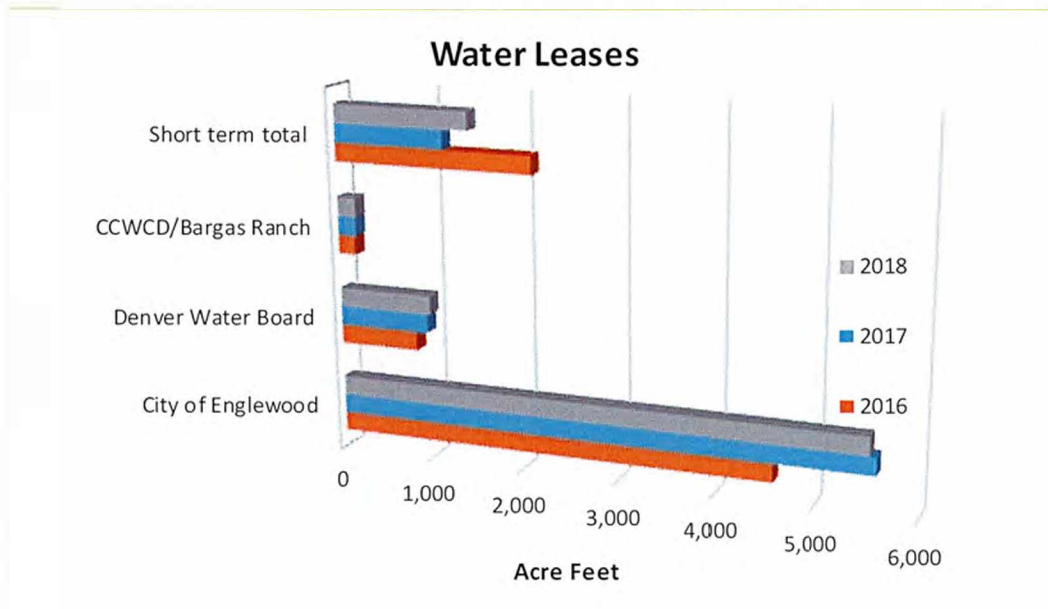
Electrical and treatment chemical costs are the most variable. In 2018 the District's primary supply was from surface water supplemented by groundwater. The well production in 2018 was similar to 2017.

Other expenditures for Water Operations includes operating expenses for two new major water projects; Chatfield and WISE. Other expenditures also includes meter replacement and installation, repair services, and repair parts that although they can vary from year to year have a lesser impact on the position of net assets.

The District has several base long-term surface water leases, as more fully described in Note IV D3 which have an annual minimum commitment of approximately \$1.8m. However in any given year additional surface water may be available from either 1) additional water from the long-term leases beyond the base amount; or 2) various short term leases the District has entered into.



Over the last three years long-term leases makeup an average of 62% of our surface water lease acquisition program. The annual amounts provided for each of the sources is provided in the following table.



**WASTEWATER OPERATIONS** expense in 2018 *increased* \$428k or 10% from 2017 after *decreasing* \$397k or 8.5% between 2016 and 2017



Personnel services, which includes wages and benefits increased each year due to market adjustments. Normally wastewater expenses are consistent year over year unless there is a significant change in the plant processes. 2017 saw reductions from completion of the Marcy Gulch Wastewater Treatment Plant Phase I project. The project included innovative activated sludge treatment train process changes, has improved efficiencies and lowered some operating expenses. Phase II improvements will begin in 2019. During construction the District may experience an increase in cost to maintain operations during construction.

**ADMINISTRATIVE AND GENERAL** costs were flat over the three year period with increases limited to the adjustment in wages based on market condition.

**DEPRECIATION** costs were generally flat over the three year period with no net material additions of depreciable assets.

**Non-operating expenses**

The material non-operating expenses are comprised of interest expense on the outstanding debt and bond issuance costs (either amortization of or current year expenses).

Interest expense increased in 2018 due interested incurred as a result of draws on the CWCB Loan. The 2017 interest expense was less than 2016 as a result of annual payments and the refunding from proceeds of the 2012 loan. The District does incur OID premiums that increase the booked interest expense as shown below.

<b>Interest Expense</b>			
Bond Issue	2018	2017	2016
2008 Revenue Bonds	\$ -	\$ 96,800	\$ 187,281
2012A Revenue Loan	523,232	563,778	603,383
2012B Revenue Loan	298,116	324,282	350,056
CWCB Loan	338,907	-	-
	1,160,255	984,860	1,140,720
Capitalized interest	-	-	-
Net amortization OID/premium	379,636	396,720	456,012
	\$ 1,539,890	\$ 1,381,580	\$ 1,596,732

## Capital Related Assets and Debt Administration

**Capital assets.** The Centennial Water and Sanitation District's investment in capital assets, net of accumulated depreciation, as of December 31, 2018, amounts to \$220,555,101 an increase of \$28.6m. This investment in capital assets includes:

- the water treatment system including raw and treated water storage reservoirs, pump stations and treatment plants
- the wastewater treatment system including lift stations and a treatment plant
- major infrastructure for the transmission and distribution of water and the collection and transmission of wastewater
- administrative offices
- miscellaneous machinery and equipment.

Major capital asset activity during the current fiscal year included the following:

- The payments related to the WISE project for capital construction to allow for deliveries which began in 2018.
- Construction related to the Chatfield reallocation project.

Additional information on the Centennial Water and Sanitation District's capital assets can be found in Note III.B on page 12 and in the supplemental information on page 23 of this report.

**Long-term debt.** At the end of the current fiscal year, the District had total revenue bonded debt outstanding of \$58,422,810. The District's debt represents bonds and loans secured solely by specified revenue sources (i.e. revenue bonds). In 2018 the debt increased as the result of loan draws from the Colorado Water Conservation Board for the Chatfield Reallocation Project.

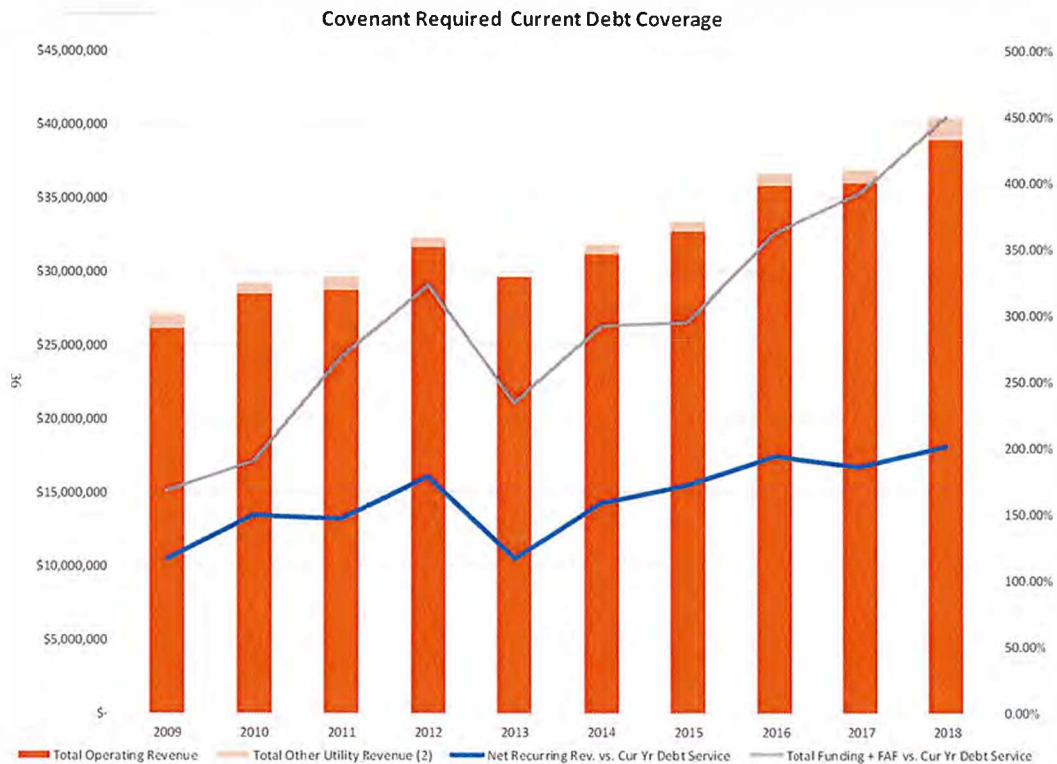
Traditionally the District's outstanding revenue debt issued with bond insurance that provided an "AAA" rating from Standard & Poors. However, due to the changes in the insurance market, the underlying District ratings are more important.

- In December of 2016, Standard & Poors, as the result of a periodic review, upgraded the District's rating from AA+ to AAA with a stable outlook.

Pursuant to the various bond agreements, the District is required to maintain certain ratios (see Table C-2 in the Statistical Section).

- The minimum bond covenants require a coverage ratio of over 100 percent based on the ratio of “Net Recurring Funding” (net recurring utility revenue vs. current year debt service). The ratio increased in 2018 to 201% after decreasing in 2017 to 185% from 194% in 2016. The annual swings relate to the annual changes in water rate revenue due to the amount of precipitation during the irrigation season.
- A minimum secondary coverage ratio of 125% is based on the ratio of “Net Recurring Funding plus capital contributions plus the financial assurance set-aside.” The ratio increased in 2018 to 450% from 392% in 2017 directly related to increased revenues generated by the water rate and investment income.
- However, the financial assurance set-aside, factored in as available for rate stabilization, increased the ratio from 190% prior to the establishment of the fund in 2010 to 295% in 2015, 392% in 2017, and 450% in 2018.

The chart below shows that the District typically has significant reserves, from basic operations without considering the financial assurance fund that could be used to dampen any impact on net position and rate covenants in the event that wet weather trends would reappear and reduce revenues in any given year.

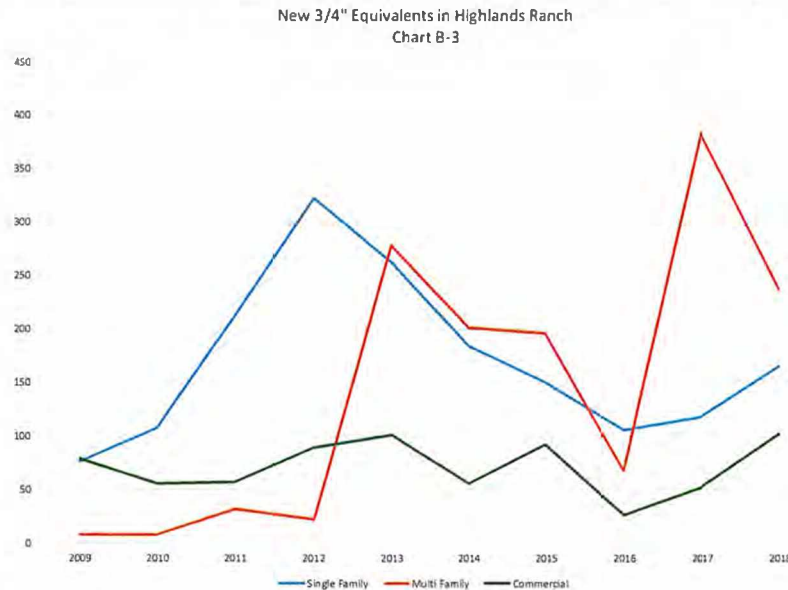


Additional information on the District’s long-term debt can be found in note III.C on pages 14-15 of this report.

## Economic Factors and Next Year's Budgets and Rates

The following factors were considered in preparing the District's budget for 2019:

- The unemployment rate for the county within which the District is located is currently 2.8 percent, which is lower than a year ago.
- The growth in water and wastewater customers within the District's service area continues to increase slowly but in a relatively stable pattern. This will continue to result in relatively flat annual increases in operating revenue before considering the periodic rate increases that will be necessary to accommodate regulatory and inflationary pressures.



- Effective January 1, 2019, the rates for water and wastewater service charged by the District were increased primarily to adjust for changing usage patterns, expected increase in electrical costs, anticipated issuance of debt to fund wastewater treatment plant improvements and to increase the set aside for the water acquisition fund. The combined impact of the changes will result in the average homeowner paying approximately 6.8% more in 2019.
- Inflationary trends in the region compare favorably to national indices with the exception of electrical costs. Electrical costs in the west are less than elsewhere but to date the anticipated increases have been applied inconsistently and are not increasing to match the nationwide costs at the rates anticipated over the last few years.

At year-end, the unrestricted net position was \$60,713,389. The unrestricted net position significantly exceeds the 2019 fiscal year budget appropriations of \$26,357,099 for operations spending and \$11,376,000 for debt service. In addition to the unrestricted net position more than covering the debt service requirements, the District has specifically restricted assets for debt service in the amount of \$9,550,000.

## Requests for Information

This financial report is designed to provide a general overview of Centennial Water and Sanitation District's finances for those with an interest in the government's finances. In addition, this financial report and related information is available on the District's website at [www.centennialwater.org](http://www.centennialwater.org). If you have any questions concerning any of the information provided in this report or requests for additional financial information please contact Director, Finance and Administration, Centennial Water and Sanitation District, 62 W. Plaza Drive, Highlands Ranch, Colorado 80129.

**CENTENNIAL WATER AND SANITATION DISTRICT**  
**STATEMENTS OF NET POSITION**  
**December 31, 2018 and 2017**

<b>ASSETS</b>	<b>2018</b>	<b>2017</b>
<b>CURRENT ASSETS</b>		
<i>CURRENT OPERATING ASSETS</i>		
Cash deposits and investments	\$ 57,171,036	\$ 51,998,405
Accounts receivable	2,363,018	2,811,708
Due from other governments	2,850,289	1,484,297
Prepaid expenses	274,792	-
Inventory	25,898	35,986
Net investment income receivable	314,447	229,283
	<u>62,999,480</u>	<u>56,559,679</u>
<i>CURRENT RESTRICTED ASSETS</i>		
Cash deposits and investments	28,228,552	36,181,686
	<u>28,228,552</u>	<u>36,181,686</u>
Total Current Assets	<u>91,228,032</u>	<u>92,741,365</u>
<b>NONCURRENT ASSETS</b>		
Capital assets		
Buildings	2,353,338	2,353,338
Treatment system	255,900,347	247,404,977
Machinery and equipment	16,487,719	16,165,580
Water rights	40,532,735	40,532,735
Construction in progress	51,591,615	25,389,801
Less accumulated depreciation	(146,310,653)	(139,930,092)
Total Noncurrent Assets	<u>220,555,101</u>	<u>191,916,339</u>
<b>DEFERRED OUTFLOWS OF RESOURCES</b>		
Deferred amount on refunding	1,019,930	1,409,738
Total deferred outflows of resources	<u>1,019,930</u>	<u>1,409,738</u>
Total Assets and Deferred Outflows of Resources	<u>\$ 312,803,063</u>	<u>\$ 286,067,442</u>

(Continued to next page)

The accompanying notes are an integral part of the financial statements

**CENTENNIAL WATER AND SANITATION DISTRICT  
STATEMENTS OF NET POSITION  
December 31, 2018 and 2017**

<b>LIABILITIES AND NET ASSETS</b>	<b>2018</b>	<b>2017</b>
<b>CURRENT LIABILITIES</b>		
<i>CURRENT LIABILITIES PAYABLE FROM CURRENT OPERATING ASSETS</i>		
Accounts payable	\$ 992,100	\$ 1,223,128
Accrued payroll liabilities	450,809	138,945
Retainages payable	-	9,213
Deposits	476,554	429,470
Current portion of compensated absences	27,720	39,330
	<u>1,947,183</u>	<u>1,840,086</u>
<i>CURRENT LIABILITIES PAYABLE FROM CURRENT RESTRICTED ASSETS</i>		
Accounts and contracts payable	192,435	1,716,882
Retainages payable	469,552	234,048
Accrued interest payable	57,634	67,693
Current portion of bonds payable	6,105,000	5,990,000
	<u>6,824,621</u>	<u>8,008,623</u>
Total Current Liabilities	<u>8,771,804</u>	<u>9,848,709</u>
<b>NONCURRENT LIABILITIES</b>		
Compensated absences	281,275	243,871
Revenue bonds payable (net of unamortized premiums and discounts)	52,317,810	35,824,059
Total Noncurrent Liabilities	<u>52,599,085</u>	<u>36,067,930</u>
Total Liabilities	<u>61,370,889</u>	<u>45,916,639</u>
<b>NET POSITION</b>		
Net investment in capital assets	163,152,221	151,512,018
Restricted		
Debt Service	9,550,000	7,257,405
Capital Projects	18,016,565	26,973,351
Unrestricted	60,713,389	54,408,029
Total Net Position	<u>251,432,175</u>	<u>240,150,803</u>
Total Liabilities and Net Position	<u>\$ 312,803,063</u>	<u>\$ 286,067,442</u>

(Continued from prior page)

The accompanying notes are an integral part of the financial statements



**CENTENNIAL WATER AND SANITATION DISTRICT  
STATEMENTS OF REVENUES, EXPENSES AND  
CHANGES IN NET POSITION  
FOR THE YEARS ENDED  
December 31, 2018 and 2017**

	<u>2018</u>	<u>2017</u>
<b>OPERATING REVENUE</b>		
Water operations (pledged as security for revenue bonds)	S 28,512,675	S 25,958,136
Wastewater operations (pledged as security for revenue bonds)	10,442,472	10,036,591
Total Operating Revenue	<u>38,955,147</u>	<u>35,994,727</u>
<b>OPERATING EXPENSES</b>		
Water operations	13,986,440	12,972,389
Wastewater operations	4,724,790	4,296,289
Administrative and general	7,158,519	7,015,519
Noncapitalized major repair	480,482	581,383
Depreciation	6,404,333	6,629,523
Total Operating Expenses	<u>32,754,564</u>	<u>31,495,103</u>
Operating Income	<u>6,200,583</u>	<u>4,499,624</u>
<b>NONOPERATING REVENUE</b>		
Net investment income (loss)	1,504,109	924,377
Gain on disposal of equipment	67,561	15,940
Other income	-	1,167,517
Total Nonoperating Revenue	<u>1,571,670</u>	<u>2,107,834</u>
<b>NONOPERATING EXPENSES</b>		
Interest	1,539,890	1,381,579
Loss on disposal of equipment	249,540	379,180
Total Nonoperating Expenses	<u>1,789,430</u>	<u>1,760,759</u>
<b>INCOME / (LOSS) BEFORE CONTRIBUTIONS</b>	5,982,823	4,846,699
<b>CAPITAL CONTRIBUTIONS</b>		
Reserved capacity fees	5,298,549	5,144,263
<b>CHANGE IN NET POSITION</b>	<u>11,281,372</u>	<u>9,990,962</u>
<b>NET POSITION - BEGINNING OF YEAR</b>	240,150,803	230,159,841
<b>NET POSITION - END OF YEAR</b>	<u>S 251,432,175</u>	<u>S 240,150,803</u>

The accompanying notes are an integral part of the financial statements

**CENTENNIAL WATER AND SANITATION DISTRICT  
STATEMENTS OF CASH FLOWS  
FOR THE YEARS ENDED  
December 31, 2018 and 2017**

	<b>2018</b>	<b>2017</b>
<b>CASH FLOWS FROM OPERATING ACTIVITIES</b>		
Receipts from customers and users	S 38,037,845	S 36,130,017
Payments to suppliers	(19,921,867)	(18,450,321)
Payments to employees	(6,548,567)	(6,182,856)
Net cash provided by operating activities	11,567,411	11,496,840
<b>CASH FLOWS FROM CAPITAL AND RELATED FINANCING ACTIVITIES</b>		
Capital contributions	5,298,549	6,311,780
Purchase of capital assets and investment in undivided interest	(36,978,401)	(12,815,175)
Proceeds from sale of assets	67,561	15,940
Proceeds from revenue bonds	22,598,745	1,569,065
Principal paid on capital debt	(5,990,000)	(5,695,000)
Interest paid on capital debt	(1,160,141)	(984,859)
Net cash provided (used) by capital and related financing activities	(16,163,687)	(11,598,249)
<b>CASH FLOW FROM INVESTING ACTIVITIES</b>		
Interest and dividends received	1,162,914	978,793
Purchase of long-term investments	(28,626,686)	(27,036,074)
Maturity of long-term investments	28,461,039	26,648,023
Net cash provided (used) by investing activities	997,267	590,742
<b>NET INCREASE (DECREASE) IN CASH EQUIVALENTS</b>	(3,599,009)	489,333
<b>CASH AND CASH EQUIVALENTS BEGINNING OF YEAR</b>	32,733,361	32,244,028
<b>CASH AND CASH EQUIVALENTS END OF YEAR (NOTE IIIA)</b>	29,134,352	32,733,361
<b>LONG TERM INVESTMENTS</b>	56,265,236	55,446,730
<b>TOTAL CASH DEPOSITS AND INVESTMENTS</b>	S 85,399,588	S 88,180,091
<b>Reconciliation of operating income to net cash provided by operating activities:</b>		
Operating income	S 6,200,583	S 4,499,624
Adjustments to reconcile operating income to net cash provided by operating activities:		
Depreciation expense	6,404,333	6,629,523
(Increase) / decrease in accounts receivables	448,690	(9,233)
(Increase) / decrease in due from other governments	(1,365,992)	144,523
(Increase) / decrease in prepaid expenses	(274,792)	1,212
(Increase) / decrease in inventory	10,088	(6,620)
Increase / (decrease) in accounts payable	(231,028)	406,166
Increase / (decrease) in accrued payroll costs	311,864	(211,822)
Increase / (decrease) in retainages payable	(9,213)	9,213
Increase / (decrease) in deposits	47,084	39,867
Increase / (decrease) in compensated absences payable	25,794	(5,613)
Total adjustments	5,366,828	6,997,216
Net cash provided by operating activities	S 11,567,411	S 11,496,840
<b>Noncash investing, capital and financing activities</b>		
Increase (decrease) in fair value of investments	S (383,399)	S (639,611)

The accompanying notes are an integral part of the financial statements

**CENTENNIAL WATER AND SANITATION DISTRICT**  
**NOTES TO FINANCIAL STATEMENTS**  
**DECEMBER 31, 2018**

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**I. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES**

**A) REPORTING ENTITY**

The District, a quasi-municipal corporation, is governed pursuant to the provisions of the Colorado Special District Act. The District's service area is located in Douglas County, Colorado. The District was established to wholesale water and wastewater service to other governmental entities providing water and sanitation service within the service area.

The District follows the Governmental Accounting Standard Board (GASB) accounting pronouncements that provide guidance for determining which governmental activities, organizations and functions should be included within the reporting entity. GASB pronouncements set forth the financial accountability of a governmental organization's elected governing body as the basic criterion for including a possible component governmental organization in a primary government's legal entity. Financial accountability includes, but is not limited to, the appointment by the primary entity of a voting majority of the component organization's governing body, the ability of the primary entity to impose its will on the component organization, a potential for the component organization to provide specific financial benefits or burdens and fiscal dependency of the component organization.

The District provides services to other governmental entities, but is not financially accountable for any other entity including the Highlands Ranch Metropolitan District and Northern Douglas County Water and Sanitation District, which have separately elected boards, nor is the District a component unit of any other governmental entity.

**B) MEASUREMENT FOCUS, BASIS OF ACCOUNTING, AND FINANCIAL STATEMENT PRESENTATION**

The accounting policies of the District conform to generally accepted accounting principles as applicable to governmental units accounted for as proprietary enterprise funds. The enterprise fund is used since the District's powers are related to those operated in a manner similar to a private utility system where fees and charges are designed to recover costs, including capital cost.

The District's records are maintained on the economic resources measurement focus and the accrual basis of accounting. Revenue is recognized when earned and expenses are recognized when the liability is incurred. Depreciation is computed and recorded as an operating expense, expenditures for property, plant and equipment are shown as increases in assets, and redemption of bonds is recorded as a reduction in liabilities. Capacity fees are recorded as capital contributions when received. The District distinguishes between *operating* revenues and expenses and *nonoperating* items. Operating revenues and expenses generally result from providing services and producing and delivering goods in connection with the District's principal ongoing business of providing water and wastewater service. The primary operating revenues are for charges to customers for sales and services. Operating expenses include the cost of sales and services, administrative expenses, and depreciation of assets. All revenues and expenses not meeting this definition are reported as non-operating revenues and expenses.

When both restricted and unrestricted resources are available for use, it is the District's practice to use restricted assets first, then unrestricted resources as they are needed.

**CENTENNIAL WATER AND SANITATION DISTRICT  
NOTES TO FINANCIAL STATEMENTS, continued**

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**C) ASSETS, LIABILITIES AND NET POSITION**

1) Cash deposits and investments

The District's cash and cash equivalents are short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity, generally less than three months to maturity when purchased, that they present insignificant risk of changes in value because of changes in interest rates.

Investments are reported at market value.

2) Inventory

Inventory, which includes water meters, is valued at the cost on the first-in, first-out basis.

3) Restricted Assets / Designated Assets

The District restricts the following: 1) capacity fees for the purpose of investing in water and wastewater facilities and improvements and for the payment of debt service; 2) proceeds from bond issues for original investment in or major repair and replacement of water and wastewater facilities and improvements, as specified by the bond resolutions; and 3) charges for services and other income designated for the purpose of meeting potential bond covenant requirements related to debt coverage.

In addition the District designates a portion of its current operating assets for future major repair, replacement and renovation of its capital assets and the acquisition of surface water supplies. \$35,018,824 has been so designated as of year-end.

4) Capital Assets

The District defines capital assets as assets with an initial, individual cost of more than \$5,000 and an estimated useful life in excess of one year. The costs of maintenance and repairs that do not add to the value of the asset or materially extend asset lives are not capitalized. Property, plant and equipment are stated at cost except for those assets contributed, which are stated at the developer's cost (which approximates market) or at a calculated market value based on capacity fee rates at the date of contribution for the source of supply.

The cost of water rights includes acquisition cost, legal and engineering costs related to the development and augmentation of those rights. Since the rights have a perpetual life, they are not amortized. All other costs, including costs incurred for the protection of those rights, are expensed.

Depreciation expense has been computed using the straight-line method over the following estimated economic useful lives:

Water and wastewater treatment plants	40 years
Pump stations, structural reservoirs and lift stations	40 years
Water and wastewater infrastructure	40 years
Office building	40 years
Furniture and equipment	
(vehicles, office equipment, computer equipment etc.)	5-10 years
(process equipment)	10-20 years

Interest expense incurred by the District during the period of construction of the water and wastewater treatment facilities has been capitalized (Note III.C).

**CENTENNIAL WATER AND SANITATION DISTRICT**  
**NOTES TO FINANCIAL STATEMENTS, continued**

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5) Amortization

Original Issue Premiums and Original Issue Discounts

Original issue premiums and discounts are deferred and are amortized using the effective interest method over the life of the respective bonds. Unamortized premiums and discounts adjust the face value of amounts reported as bonds payable.

Cost of Refunding

The cost of a bond refunding is being amortized using the interest method over the life of the defeased bonds. The amortization amount is a component of interest expense and the unamortized cost is reflected as a deferred outflow of resources.

Prepaid Bond Insurance

The cost of insurance for a bond issue is being amortized using the interest method over the life of the bonds. The unamortized cost is reflected as a deferred outflow of resources.

6) Compensated Absences

The District has a policy that allows employees to accumulate unused vacation benefits up to a certain maximum number of hours. Accumulated unpaid vacation pay is accrued when earned by the employees.

7) Postemployment benefits

The District participates in the Colorado Employer Benefit Trust (CEBT) a multiple employer trust for public institutions providing employee benefits. CEBT covers approximately 17,000 employees and over 200 participating groups. The Trust is governed by a board of trustees made up of representatives from participating groups. The CEBT plan meets the definition of a community rated plan and therefore is not required to provide certain information.

A District employee with at least 15 years of service with the District and who has reached at least 50 years of age at retirement is eligible to continue on the District's health plans by paying the full premium amount and no subsidy of the premium is provided by the District. This benefit expires when the retiree reaches the age of 65, thereby making the maximum eligibility period 15 years. Five former employees are currently using this benefit.

Since the plan meets the definition of a community rated plan, the District's expense is strictly the annual contribution and there is no implicit rate subsidy. Therefore no liability is reported in the financial statements for postemployment benefits.

8) Capital Contributions

Reserved Capacity Fees

Pursuant to intergovernmental agreements, the District receives payment from other governments for their license to use capacity in the total water and wastewater facilities of the District. Such fees are not user fees and thus are reflected as capital contributions.

Source of Supply / Water Transfer

The District has recorded the computed value of certain water rights, facilities and easements transferred to it by the developer of Highlands Ranch (Note IV.D). The agreement for the transfer requires repayments to Shea Homes only if capacity fees are collected from governmental entities other than the Highlands Ranch Metropolitan District. The repayments, as more fully described in Note IV.D) 2) have reduced the original contribution amount of \$32,500,000. Capacity fees collected for services provided outside of Highlands Ranch and paid to Shea Homes are reflected as distributions of capital contributions.

**CENTENNIAL WATER AND SANITATION DISTRICT  
NOTES TO FINANCIAL STATEMENTS, continued**

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9) Comparative Information

Comparative information for the prior year has been presented in the accompanying financial statements in order to provide an understanding of changes in the District's financial position and operations. However, complete comparative data in accordance with generally accepted accounting principles has not been presented since its inclusion would make the financial statements unduly complex and difficult to read.

**II. STEWARDSHIP, COMPLIANCE AND ACCOUNTABILITY**

**A) BUDGETS**

Budgets are adopted on a non-GAAP basis of accounting. The appropriation is at the total fund expenditures level and lapses at year-end for operating and debt service expenditures. Appropriations for capital projects are continuing appropriations on a project-by-project basis and extend until the District's Board of Directors rescinds any unexpended appropriation. Expenditures may not legally exceed appropriations as described above.

In accordance with the State Budget Law, the District's Board of Directors holds public hearings in the fall each year to approve the budget and appropriate the funds for the ensuing year. The Board of Directors can only amend appropriation resolutions upon completion of notification and publication requirements. The appointed management of the District can transfer between line items within the fund level appropriation without notice.

**B) TAX, SPENDING AND REVENUE LIMITATIONS**

In 1992, Colorado voters approved the Taxpayer's Bill of Rights (TABOR), which added a new Section 20 to Article X of the Colorado Constitution. TABOR contains tax, spending, revenue and debt limitations that apply to the State of Colorado and all local governments.

TABOR is complex and currently subject to interpretation. Numerous lawsuits against other entities in the State have been filed regarding election question wording and procedures. Future implementation will depend upon litigation and legislative guidance.

TABOR generally requires voter approval for any new tax, tax increases and new debt. Even though management believes that the District is an "Enterprise" as defined under TABOR and, therefore, is exempt from the provisions of TABOR, the District conducted an election in 1992, and in compliance with TABOR approved (1) increased revenues and spending to comply with intergovernmental agreements between the District and Highlands Ranch Metropolitan District; (2) preserved the then existing \$280,000,000 debt authorization; (3) authorized refunding of District debt at higher or lower interest rates than the rate on the refunded debt; and (4) authorized other multiple-year debt or financial obligations including revenue bonds.

**CENTENNIAL WATER AND SANITATION DISTRICT  
NOTES TO FINANCIAL STATEMENTS, continued**

**III. DETAILED NOTES**

**A) CASH DEPOSITS AND INVESTMENTS**

The District maintains a cash and investment pool that is displayed on the statement of net position as "Cash deposits and investments". It is the intent of the District to diversify the investments within its portfolio to avoid incurring unreasonable risks inherent in over-investing in specific instruments, individual financial institutions, corporations, or maturities.

A reconciliation of cash and investments on *Statements of Net Position* as of December 31 is as follows:

	December 31,	
	2018	2017
Cash on hand	\$ 400	\$ 400
Cash deposits	852,711	107
Investments		
Held in safekeeping	\$ 56,265,236	\$ 55,446,730
Chatfield Reallocation Project Escrow	9,185	30,776
Local government investment pools	28,261,798	32,692,033
Money market mutual fund	10,257	10,047
Total Cash Deposits and Investments	<u>\$ 85,399,588</u>	<u>\$ 88,180,091</u>

Cash deposits and investments are presented in the Statement of Net Position as follows:

	December 31,	
	2018	2017
Cash deposits and investments - unrestricted	\$ 57,171,036	\$ 51,998,405
Cash deposits and investments - restricted	28,228,552	36,181,686
Total Cash Deposits and Investments	<u>85,399,588</u>	<u>88,180,091</u>

Cash Deposits

The Colorado Public Deposit Protection Act (PDPA) requires that all units of local government deposit cash in eligible public depositories. Amounts on deposit in excess of federal insurance levels must be collateralized. The eligible collateral is determined by the PDPA. PDPA allows the institution to create a single collateral pool for all public funds. The pool for all the uninsured public deposits as a group is to be maintained by another institution or held in trust. The market value of the collateral must be at least 102% of the aggregate uninsured deposits. Deposits covered by PDPA are not subject to custodial credit risk. The State Regulatory Commission for banks is required by statute to monitor the naming of eligible depositories and reporting of the uninsured deposits and assets maintained in the collateral pools. As of December 31, 2018, \$1,673,464 of the bank balance for the cash deposits were collateralized pursuant to PDPA.

Investments

Colorado State Statutes specify investment instruments meeting defined risk criteria in which units of local government may invest. The District has adopted an investment policy that is more restrictive than the State Statutes and is limited to:

1. U.S. Treasury Obligations: Treasury Bills, Treasury Notes, and Treasury Bonds with a final maturity not exceeding five years from the date of purchase and U.S. Treasury Strips with maturities not exceeding five years from the date of purchase.
2. Federal Instrumentality Securities: Debentures, discount notes, and callable securities with a final maturity not exceeding five years from the date of purchase issued by the following: Federal National Mortgage Association (FNMA), Federal Farm Credit Bank (FFCB), Federal Home Loan Bank (FHLB), Federal Home Loan Mortgage Corporation (FHLMC), and Student Loan Marketing Association (SLMA).

**CENTENNIAL WATER AND SANITATION DISTRICT  
NOTES TO FINANCIAL STATEMENTS, continued**

3. Corporate Debt: debt issued by any corporation or bank organized and operating within the United States with a maturity not exceeding three years from the date of trade settlement. The debt must be rated at least AA- or the equivalent at the time of purchase by at least two NRSROs, and rated not less by any NRSRO that rates it. The District shall limit investments in Corporate Debt to no more than 25 percent of the total portfolio and 5 percent per issuer.
4. Repurchase Agreements, executed subject to an approved Master Purchase Agreement, with a termination date of 90 days or less collateralized by U.S. Treasury Securities listed in 1 above with maturities not exceeding ten years.
5. Prime Commercial Paper with an original maturity of 270 days or less which is rated at least A-1 by Standard & Poors or P-1 by Moody's at the time of purchase by each service which rates the commercial paper.
6. Eligible Bankers Acceptances with original maturities not exceeding 180 days, issued on domestic banks whose senior long-term debt is similar to 4 above; have a combined capital and surplus of at least \$250,000,000; and have deposits insured by the FDIC.
7. Local Government Investment Pools authorized under CRS 24-75-702.
8. Money Market Mutual funds which have a rating of AAA by Standard and Poors or AAAM by Moody's.

The District investments at December 31, 2018 and 2017 and the maturities were as follows:

		December 31, 2018			
		Investment Maturities (in Years)			
		One to five years			
Investments held in safekeeping	Moody Rating	Less than 1	Callable 2019	Noncallable	Total
US Treasury securities	Aaa	\$ -	\$ -	\$ 27,007,379	\$ 27,007,379
US Agency securities	Aaa	-	2,812,454	7,014,854	9,827,309
Commercial paper	P-1	-	-	-	-
Supra-national notes	Aaa	-	-	6,519,049	6,519,049
Corporate debt	Aa3	798,061	-	4,454,358	5,252,419
Certificate of Deposit	P-1	1,333,681	-	844,015	2,177,696
Municipals	Aa2	2,346,542	-	3,134,842	5,481,384
		<u>\$ 4,478,284</u>	<u>\$ 2,812,454</u>	<u>\$ 48,974,498</u>	<u>\$ 56,265,236</u>

		December 31, 2017			
		Investment Maturities (in Years)			
		One to five years			
Investments held in safekeeping	Moody Rating	Less than 1	Callable 2017	Noncallable	Total
US Treasury securities	Aa	\$ -	\$ -	\$ 24,052,135	\$ 24,052,135
US Agency securities	Aaa	324,487	997,788	12,834,048	14,156,323
Commercial paper	P-1	-	-	799,192	799,192
Supra-national notes	Aaa	-	-	2,668,726	2,668,726
Corporate debt	Aa3	443,414	1,084,361	6,593,250	8,121,025
Municipals	Aa2	1,023,115	-	4,626,213	5,649,328
		<u>\$ 1,791,017</u>	<u>\$ 2,082,149</u>	<u>\$ 51,573,564</u>	<u>\$ 55,446,730</u>

As of December 31, 2018, the District had invested \$28,261,798 in the Colorado Local Government Liquid Asset Trust ("CSIP"), an investment vehicle established for local government entities in Colorado to pool surplus funds and as of December 31, 2017 had invested \$32,695,123. The State Securities Commissioner administers and enforces all state statutes governing the Trust. CSIP operates similarly to a money market fund and each share is equal in value to \$1.00. CSIP is rated AAAM by Standard and Poor's. Investments of CSIP are limited to those allowed by State statutes. A designated custodial bank serves as custodian for the Trust's portfolios pursuant to a custodian agreement. The custodian acts as safekeeping agent for the Trust's investment portfolios and provides services as the depository in connection with direct investments and withdrawals. Substantially all securities owned are held by the Federal Reserve Bank in the account maintained for the custodial bank. The custodian's internal records identify the investments owned by the participating governments.



**CENTENNIAL WATER AND SANITATION DISTRICT  
NOTES TO FINANCIAL STATEMENTS, continued**

The District has executed a safekeeping agreement with a financial institution that provides for the financial institution to act in a custodial capacity. The custodian holds investments acquired by the District in a Federal Reserve custodial account. The investments in this account are not available to the general creditors of the custodian. Ownership of the securities by the District is maintained in the custodian's internal accounting records. The District categorizes its fair value measurements within the fair value hierarchy established by generally accepted accounting principles. The hierarchy is based on the valuation inputs used to measure the fair value of the asset. Level 1 inputs are quoted prices in active markets for identical assets; level 2 inputs are significant other observable inputs; and level 3 inputs are significant unobservable inputs. All of the annuity's investments are measured at fair value using level 1 inputs.

*Concentration of Credit Risk* – State statutes do not limit the amount the District may invest in one issuer. At December 31, 2018 the District maintained investments in excess of 5% in the following issuers:

	<u>% of portfolio</u>
Money Market Fund - CSIP	33.41%
US Treasury securities	31.95%
Supra-National Notes	7.71%
Municipal bonds (aggregate-no issuer exceeds 5%)	6.48%
Corporate bonds (aggregate-no issuer exceeds 5%)	6.21%

Cash deposits and investments are reflected as of December 31 *Statements of Net Position* and *Statement of Cash Flows* as follows:

	December 31,	
	2018	2017
Cash deposits and investments - unrestricted	\$ 57,171,036	\$ 51,998,405
Cash deposits and investments - restricted	28,228,552	36,181,686
Total Cash Deposits and Investments	85,399,588	88,180,091
Less long-term investments	56,265,236	55,446,730
Cash and cash equivalents	<u>\$ 29,134,352</u>	<u>\$ 32,733,361</u>

**CENTENNIAL WATER AND SANITATION DISTRICT  
NOTES TO FINANCIAL STATEMENTS, continued**

**B) CAPITAL ASSETS**

Capital asset activity for the years ended December 31, 2018 and 2017 was as follows:

CENTENNIAL WATER AND SANITATION DISTRICT

CHANGE IN CAPITAL ASSETS

	Balance at January 1, 2018	Increases	Decreases	Balance at December 31, 2018
<b>Capital assets not being depreciated:</b>				
Water rights	\$ 40,532,735	\$ -	\$ -	\$ 40,532,735
Construction in progress	25,389,801	35,679,007	9,477,193	51,591,615
Total capital assets not being depreciated	<u>65,922,536</u>	<u>35,679,007</u>	<u>9,477,193</u>	<u>92,124,350</u>
<b>Capital assets being depreciated:</b>				
Buildings	2,353,338	-	-	2,353,338
Treatment system				
Water				
Source of supply	23,683,377	-	-	23,683,377
Storage reservoirs - treated water	14,808,733	-	-	14,808,733
Storage reservoirs - raw water	51,083,366	-	-	51,083,366
Treatment plant - water	32,141,378	-	-	32,141,378
Pump stations	7,607,360	-	-	7,607,360
Wastewater				
Treatment plant - wastewater	39,339,971	-	-	39,339,971
Lift stations	2,039,744	-	-	2,039,744
Infrastructure				
Transmission and distribution	62,354,121	5,061,213	-	67,415,334
Collection and transmission	14,346,927	3,434,157	-	17,781,084
Machinery and equipment	16,165,580	345,911	23,772	16,487,719
Total capital assets being depreciated	<u>265,923,895</u>	<u>8,841,281</u>	<u>23,772</u>	<u>274,741,404</u>
<b>Less accumulated depreciation for:</b>				
Buildings	1,979,471	47,765	-	2,027,236
Treatment system	99,171,965	844,228	-	100,016,193
Machinery and equipment	38,778,657	5,512,341	23,772	44,267,226
Total accumulated depreciation	<u>139,930,093</u>	<u>6,404,333</u>	<u>23,772</u>	<u>146,310,654</u>
Total capital assets being depreciated, net	<u>125,993,803</u>	<u>2,436,948</u>	<u>-</u>	<u>128,430,750</u>
Capital assets, net	<u>\$ 191,916,339</u>	<u>\$ 38,115,954</u>	<u>9,477,193</u>	<u>\$ 220,555,101</u>
			Less outstanding capital debt	(58,422,810)
			Plus deferred amount on refunding	1,019,930
			Net investment in capital assets	<u>163,152,221</u>

**CENTENNIAL WATER AND SANITATION DISTRICT  
NOTES TO FINANCIAL STATEMENTS, continued**

CENTENNIAL WATER AND SANITATION DISTRICT  
CHANGE IN CAPITAL ASSETS

	Balance at January 1, 2017	Increases	Decreases	Balance at December 31, 2017
<b>Capital assets not being depreciated:</b>				
Water rights	\$ 40,532,735	\$ -	\$ -	\$ 40,532,735
Construction in progress	12,767,044	13,771,629	1,148,872	25,389,801
Total capital assets not being depreciated	<u>53,299,779</u>	<u>13,771,629</u>	<u>1,148,872</u>	<u>65,922,536</u>
<b>Capital assets being depreciated:</b>				
Buildings	2,353,338	-	-	2,353,338
Treatment system				
Water				
Source of supply	23,683,377	-	-	23,683,377
Storage reservoirs - treated water	14,808,733	-	-	14,808,733
Storage reservoirs - raw water	51,083,366	-	-	51,083,366
Treatment plant - water	31,628,322	513,056	-	32,141,378
Pump stations	7,607,360	-	-	7,607,360
Wastewater				
Treatment plant - wastewater	39,339,971	-	-	39,339,971
Lift stations	2,039,744	-	-	2,039,744
Infrastructure				
Transmission and distribution	62,354,121	-	-	62,354,121
Collection and transmission	14,346,927	-	-	14,346,927
Machinery and equipment	15,485,572	870,979	190,971	16,165,580
Total capital assets being depreciated	<u>264,730,831</u>	<u>1,384,035</u>	<u>190,971</u>	<u>265,923,895</u>
<b>Less accumulated depreciation for:</b>				
Buildings	1,922,991	56,480		1,979,471
Treatment system	98,137,445	1,034,520		99,171,965
Machinery and equipment	33,431,104	5,538,524	190,971	38,778,657
Total accumulated depreciation	<u>133,491,540</u>	<u>6,629,523</u>	<u>190,971</u>	<u>139,930,092</u>
Total capital assets being depreciated, net	<u>131,239,292</u>	<u>(5,245,488)</u>	<u>0</u>	<u>125,993,803</u>
Capital assets, net	<u>\$ 184,539,071</u>	<u>\$ 8,526,141</u>	<u>1,148,872</u>	<u>\$ 191,916,339</u>
			Less outstanding capital debt	(41,814,059)
			Plus deferred amount on refunding	1,409,738
			Net investment in capital assets	<u>151,512,018</u>

**CENTENNIAL WATER AND SANITATION DISTRICT**  
**NOTES TO FINANCIAL STATEMENTS, continued**

**C) LONG-TERM DEBT**

The District has issued long term debt for the purposes of financing the construction of infrastructure including treatment facilities necessary to provide for the operations. Following are summaries of the District's long-term debt as of December 31, 2018 and 2017 and its 2018 and 2017 transactions:

	Balance 12/31/2017	Additions	Reductions	Balance 12/31/2018	Due in 2019
Revenue Bonds Payable	\$ 41,814,065	\$ 22,598,745	\$ 5,990,000	\$ 58,422,810	\$ 6,105,000
Compensated absences	283,201	399,227	373,433	308,995	27,720
Long-term Liabilities	<u>\$ 42,097,266</u>	<u>\$ 22,997,972</u>	<u>\$ 6,363,433</u>	<u>\$ 58,731,805</u>	<u>\$ 6,132,720</u>

	Balance 12/31/2016	Additions	Reductions	Balance 12/31/2017	Due in 2018
Revenue Bonds Payable	\$ 45,955,352	\$ 1,569,059	\$ 5,710,352	\$ 41,814,059	\$ 5,990,000
Compensated absences	288,814	372,479	378,092	283,201	39,330
Long-term Liabilities	<u>\$ 46,244,166</u>	<u>\$ 1,941,538</u>	<u>\$ 6,088,444</u>	<u>\$ 42,097,260</u>	<u>\$ 6,029,330</u>

The District's bonds payable as of December 31, 2018 and 2017 its 2018 and 2017 debt transactions are shown in more detail below:

	Balance at January 1, 2018	New Issues/ Refundings	Payments/ Amortization	Balance at December 31, 2018	Current Portion Due 2019
<b>REVENUE BONDS PAYABLE</b>					
Series 2012 A and B	40,245,000	-	5,990,000	34,255,000	6,105,000
CWCB Loan	1,569,065	22,598,745	-	24,167,810	-
	<u>41,814,065</u>	<u>22,598,745</u>	<u>5,990,000</u>	<u>58,422,810</u>	<u>\$ 6,105,000</u>
Original issue premium	-	-	-	-	-
Original issue discount	-	-	-	-	-
	<u>41,814,065</u>	<u>\$ 22,598,745</u>	<u>\$ 5,990,000</u>	<u>58,422,810</u>	
Current portion	5,990,000			6,105,000	
Long term portion	<u>\$ 35,824,065</u>			<u>\$ 52,317,810</u>	

	Balance at January 1, 2017	New Issues/ Refundings	Payments/ Amortization	Balance at December 31, 2017	Current Portion Due 2018
<b>REVENUE BONDS PAYABLE</b>					
Series 2008	2,420,000	-	2,420,000	-	-
Series 2012 A and B	43,520,000	-	3,275,000	40,245,000	5,990,000
CWCB Loan	-	1,569,059	-	1,569,059	-
	<u>45,940,000</u>	<u>1,569,059</u>	<u>5,695,000</u>	<u>41,814,059</u>	<u>\$ 5,990,000</u>
Original issue premium	15,352	-	15,352	-	-
Original issue discount	-	-	-	-	-
	<u>45,955,352</u>	<u>\$ 1,569,059</u>	<u>\$ 5,710,352</u>	<u>41,814,059</u>	
Current portion	5,695,000			5,990,000	
Long term portion	<u>\$ 40,260,352</u>			<u>\$ 35,824,059</u>	

**CENTENNIAL WATER AND SANITATION DISTRICT  
NOTES TO FINANCIAL STATEMENTS, continued**

**REVENUE BONDS PAYABLE**

The bonds are payable solely from net operating revenues, defined as:

- recurring revenues, which includes all income received from the operation of the District facilities including rates, fees, tolls and charges, interest income and other operating income but excludes capacity fees.
- less normal operations and maintenance expenses not including non-capitalized major repair expenses paid from major repair reserves, depreciation and amortization of bond issuance expenses.

During the year ended December 31, 2018, \$11,128,116 of net operating revenues, as defined by the various bond covenants, was generated to make debt service principal and interest payments of \$6,679,859.

The outstanding bond issues are summarized as follows:

- The Series 2012 A Water and Sewer Revenue Tax-Exempt Refunding and Improvement Note dated December 1, 2012, in the amount of \$30,490,000 is a tax exempt loan due in varying increasing amounts annually through 2024. Interest is at fixed rates of 2.09% payable semi-annually June 1 and December 1.
- The Series 2012 B Taxable Water and Sewer Revenue Refunding Note (Taxable Convertible to Tax-Exempt) dated December 1, 2012, in the amount of \$18,750,000 is due in varying increasing amounts annually through 2023. Interest was initially at a taxable fixed rate of 3.01% payable semi-annually June 1 and December 1. The Note converted to tax-exempt status on September 3, 2014 at a new rate of 1.96%.

Principal and interest on the bonds payable portion of long-term debt (excluding lease-purchase obligations) mature as follows:

	Principal	Interest	Total
2019	6,105,000	699,296	6,804,296
2020	6,235,000	574,600	6,809,600
2021	6,360,000	447,845	6,807,845
2022	6,495,000	318,249	6,813,249
2022-2024	9,060,000	236,892	9,296,892
	\$ 34,255,000	\$ 2,276,882	\$ 36,531,882

In 2015 the Board authorized additional debt in order to fund the Chatfield Reallocation Project. The Colorado Water Conservation Board (“CWCB”) approved three loan contracts with the District in the maximum amount of \$44,400,000. The loans are similar to construction loans and proceeds will be disbursed to match the phased funding of the project. The contracts require that the District contribute at least 10 percent of the project cost which for the purpose of the CWCB loan approval is estimated at \$48,888,000. All three loan contracts closed on October 15, 2015. The District’s 10 percent match was deposited into an escrow account at the time of closing. Draws began in 2017. In 2018 the Board authorized an increase in the loan amount of \$9,046,267 for a maximum amount of \$53,486,267 to cover the increased cost of construction based on bids received. The total draws as of December 31, 2018 were \$24,167,810.

**LEASES PAYABLE**

The District does not currently have any lease-purchase obligations.

**CENTENNIAL WATER AND SANITATION DISTRICT  
NOTES TO FINANCIAL STATEMENTS, continued**

**OTHER DEBT INFORMATION**

On November 3, 1992, a majority of the qualified electors of the District authorized the issuance of indebtedness in an amount not to exceed \$280,000,000 of which \$168,420,000 remains authorized but unissued. The District currently has no intention of issuing any general obligation debt but may issue revenue obligations.

Interest incurred during the period of construction and preparation for use of certain assets is capitalized as part of the cost of those assets.

During the periods ended December 31, 2018 and 2017 interest costs were incurred as follows:

	2018	2017
Interest costs incurred	\$ 1,539,890	\$ 1,140,720
Interest costs capitalized	-	-
Net interest expense	<u>\$ 1,539,890</u>	<u>\$ 1,140,720</u>
Interest costs capitalized - inception to date	<u>\$ 14,941,287</u>	<u>\$ 14,941,287</u>

**D) INTERGOVERNMENTAL RECEIVABLES AND PAYABLES**

The following schedule reflects the District's net receivables as of December 31 from other governmental entities:

	December 31,	
	2018	2017
Highlands Ranch Metropolitan District	\$ 2,850,289	\$ 1,470,648
Highlands Ranch Metropolitan District No. 5	-	13,649
	<u>\$ 2,850,289</u>	<u>\$ 1,484,297</u>

These receivables from other governmental entities are classified as due from other governments on the statements of net position under the following section:

	December 31,	
	2018	2017
Current Operating Assets	\$ 2,850,289	\$ 1,484,297
	<u>\$ 2,850,289</u>	<u>\$ 1,484,297</u>

**IV OTHER INFORMATION**

**A) DEFINED CONTRIBUTION PENSION PLAN**

All regular employees of the District participate in the Highlands Ranch Special Districts' Employees Retirement Plan (the "Plan"). The Plan is a defined contribution plan established through an interdistrict agreement with Highlands Ranch Metropolitan District forming the Highlands Ranch Special Districts' Employees Retirement Association which is governed by a retirement board comprised of the Treasurer of Highlands Ranch Metropolitan District, two citizens appointed by the Highlands Ranch Board and the District Board and two employee representatives elected at large, however both of the participating districts must be represented. The Retirement Board may recommend changes to the plans as well as the contribution amounts. The member Districts boards of directors must approve any changes recommended by the Retirement Association. The Retirement Association administers the Plan through the Principal Financial Group, Inc. No audited GAAP basis reports are prepared.

**CENTENNIAL WATER AND SANITATION DISTRICT  
NOTES TO FINANCIAL STATEMENTS, continued**

At December 31, 2018 there were 195 active plan members comprised of 102 full and part-time members employed by the District and 93 full and part-time members employed by Highlands Ranch Metro. In a defined contribution plan, benefits depend solely on amounts contributed to the plan plus investment earnings. Employees become Plan members upon employment as regular full time employees. Under the Plan, 6.2% of the Plan members pensionable compensation is withheld and remitted to the Plan Administrator. The members are immediately invested in their contribution plus earnings. The District contributes a matching payment of 6.2% of Plan members' pensionable compensation. The District's contributions plus earnings become fully vested to the Plan members upon the completion of three years of Plan membership.

District contributions for Plan members who leave employment before they are fully vested are used to reduce the District's benefit obligations or to pay plan related expenses. There is no liability for benefits under the Plan beyond the District's matching payments.

Contributions actually made by Plan members and the District for the years ended December 31 are as follows:

	<b>2018</b>	<b>2017</b>
Employer	\$ 361,450	\$ 359,846
Employee	368,127	359,846

The District's contributions are shown net of forfeitures (if any) which results in the difference in contributions between the employer and employee.

**B) DEFERRED COMPENSATION PLAN**

The District currently offers to its employees a deferred compensation plan created in accordance with Internal Revenue Code Section 457 administered by Principal Financial Group, Inc. Participation in the plan is optional for all employees. The District does provide a match for up to 4% of wages. The matching structure is 100% on the first 2% of employee contributions and 50% on employee contributions in excess of 2% up to a maximum of 4%. The plan allows employees to defer a portion of their salary until future years. All amounts deferred are held in trust for the exclusive benefit of participating employees.

**C) BOARD OF DIRECTORS**

The Board of Directors is elected for staggered four-year terms. In addition, all of the District's Board of Directors are employees of Shea Homes/Properties ("Shea"), the developer of Highlands Ranch.

**D) COMMITMENTS AND CONTINGENCIES**

1) Intergovernmental Agreements

The District has entered into water and wastewater service agreements with the Highlands Ranch Metropolitan District ("Metro District"). The agreement provides for the District to provide potable water and wastewater treatment services to areas included within the Metro District in exchange for the payment to the District of capacity fees. In addition, the Metro District has elected to pay the District to provide total service to it. Total service includes operation and maintenance of the Metro District facilities as well as billing the respective customers of the Metro District. The agreement expires in 2030.

The District has also entered into a water and wastewater service agreement with Highlands Ranch Metropolitan District No. 5 which changed its name in 2016 to Mirabelle Metropolitan District and subsequently included land outside of the Highlands Ranch boundaries. Mirabelle is currently inactive. Prior to becoming active, the existing agreement, which expires in 2030, will need to be renegotiated.

**CENTENNIAL WATER AND SANITATION DISTRICT**  
**NOTES TO FINANCIAL STATEMENTS, continued**

Northern Douglas County Water and Sanitation District (Northern) is provided service under an extended service area agreement providing wholesale water and wastewater service to the district directly, not to individual customers. Northern is only guaranteed service for the number of taps and at the specific locations for which it has acquired capacity. Northern may purchase options to acquire future capacity. As of December 31, 2018, Northern has options paid that have not been exercised yet.

The District has entered into an agreement with the Metro District wherein the cost related to the employment of certain management, administrative and engineering personnel employed by either the District or the Metro District and the cost of office supplies and other materials necessary for them to function would be shared with each of the respective districts entering into the agreement. The cost of these services is determined annually as part of the budget process and is reimbursed monthly.

Related to the agreement the District rents a portion of the District's office building to the Metro District. The income generated in 2018 from the lease was \$175,100. The building has an original cost of \$2,330,997 with a carrying value of \$297,032.

2) Water Transfer Agreement

The District has entered into an agreement with Shea Homes wherein the District was conveyed an interest in certain water rights and associated water facilities and easements (the value of which are included under Property, Plant and Equipment as Source of Supply) and the rights under agreements with the City of Englewood.

Payment by the District to Shea for the water rights and associated water facilities and easements that were conveyed is entirely dependent upon the sale of water taps to customers located outside the Highlands Ranch development area ("Extended Service Area"), if any. No payment is required for taps sold to service the Highlands Ranch development area. The payment to Shea was last adjusted effective January 1, 2013 and is subject to additional increase adjustments in five-year increments. To date payment has been remitted to Shea for 1,904 taps. The 2018 fee of \$13,950 per tap, subject to the 5 year adjustment, will be paid to the extent that the next 7,596 taps are sold. No payment for any taps provided beyond 9,500 taps is required.

The maximum total compensation if all remaining taps are sold is \$105,964,200 at the rates in effect as of December 31, 2017. The District is not required to sell such taps unless it determines that it is feasible to do so. Therefore total compensation under the agreement based on the current approvals by the District will be less than \$112,829,715. Cumulative payments under the agreement are \$6,865,515 through December 31, 2018.

3) Water Supply Agreements

In addition to a significant permanent water portfolio, the District has entered into numerous water supply agreements of both a long-term (greater than one-year) and short-term (designed and have been exercised longer than one-year but are cancellable with various notice periods in one year or less) nature.



**CENTENNIAL WATER AND SANITATION DISTRICT  
NOTES TO FINANCIAL STATEMENTS, continued**

The long term agreements are subject to the following terms:

- a. The rights and obligations assumed from Shea by the District under the City of Englewood contracts include:
  - 1) a "take or pay" minimum annual payment schedule;
  - 2) annual deliveries from Englewood's Ranch Creek system;
  - 3) the use of storage space in Englewood's McLellan Reservoir;
  - 4) the exclusive use of water which is surplus to Englewood's needs.

The initial contract period was for the 20-year period from 1981 to 2000 with four additional 20-year renewal periods at the option of the District. The District exercised the first option and then renegotiated the contract in 2003. The renegotiated contract provides for the purchase of all water that is surplus to Englewood's needs, as well as lease capacity in certain water conveyance and storage facilities. Lease payments are fixed amounts based on calendar periods, subject to annual CPI adjustment. The pricing structure of the water purchases is tied to Englewood's delivery performance. Centennial also agreed to purchase provisions regarding certain water from Englewood's Ranch Creek delivery system. Initial term of agreement is a 20-year period from 2003 to 2022 with four additional 20-year renewal periods at the option of the District.

- b. In 1994 the District entered into an agreement with the Board of Water Commissioners of the City and County of Denver ("Denver Water Board") to acquire 1,000 acre feet of water annually. The agreement provides for minimum annual payments on a take or pay basis of 85% of the acquired acre-feet of water at the then current rate.
- c. In 2003, the District entered into an agreement with the Center of Colorado Water Conservancy District (CCWCD). The CCWCD agreement leases to the District 5/7ths of the yield of two water rights for 50 years, with a 50 year renewal option. The cost to the District is 6/7ths of the expenses related to the water rights acquisition, related permitting and water court processing expenses. The two water rights are the Randall Ditch and Sessions Ditch, both which divert from Michigan Creek, a tributary to the South Platte River. The anticipated "wet year" yield of both water rights is 700 acre-feet annually. CCWCD will receive the first 200 acre-feet and the District receives the remainder. The District owns approximately 200 acre feet of storage in fee. Delivery under the project required the construction of a new water storage reservoir that was completed in 2009.

The supply and the costs associated with each of the long-term agreements for 2018 and 2019 can be summarized as follows:

	2018			2019	
	Acre Fee	Consumption	Lease	Minimum Obligation	
		\$	\$	Acre Feet	\$
Long Term*					
a) City of Englewood	5,520	\$ 1,694,203	\$ 922,011	4,900	\$1,839,974
b) Denver Water Board	1,000	342,140	-	1,620	342,140
c) CCWCD/Bargas Ranch	200	27,328	-	50	27,328

4) Construction commitments

As of December 31, 2018 unexpended appropriations for capital projects and water acquisition amounted to approximately \$35,562,525.

**CENTENNIAL WATER AND SANITATION DISTRICT  
NOTES TO FINANCIAL STATEMENTS, continued**

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**E) RISK MANAGEMENT**

The District is exposed to various risks of loss related to torts, thefts of, damage to, or destruction of assets; errors or omissions; injuries to employees, or acts of God.

The District is a member of the Colorado Special Districts Property and Liability Pool (Pool) as of December 31, 2018. The Pool is an organization created by intergovernmental agreement to provide property, liability, public official's liability, boiler and machinery and workers compensation coverage to its members. The pool provides:

- coverage for property claims up to \$100,000,000
- liability coverage for claims up to \$1,000,000.
- Workers compensation claims are covered up to statutory limits, with claims related to employer's liability up to \$2,000,000.

Settled claims have not exceeded coverage in any of the past three fiscal years.

The District pays annual premiums to the Pool for liability, property and public officials. In the event aggregated losses incurred by the Pool exceed amounts recoverable from reinsurance contracts and funds accumulated by the Pool, the Pool may require additional contributions from the Pool members. Any excess funds that the Pool determines are not needed for purposes of the Pool may be returned to the members pursuant to a distribution formula.

**CENTENNIAL WATER AND SANITATION DISTRICT**  
**SCHEDULE OF REVENUE, EXPENDITURES AND CHANGES IN FUNDS AVAILABLE**  
**BUDGETARY BASIS - BUDGET TO ACTUAL**  
**FOR THE YEAR ENDED**  
**December 31, 2018**

	<u>Original Budget</u>	<u>Revised Budget</u>	<u>2018 Actual</u>	<u>Variance from final budget - Favorable (Unfavorable)</u>
<b>REVENUES AND OTHER RECEIPTS</b>				
<i><b>OPERATING</b></i>				
Water operations	\$ 25,747,880	\$ 25,747,880	\$ 26,982,236	\$ 1,234,356
Wastewater operations	10,485,000	10,485,000	10,442,472	(42,528)
Other operating	1,604,350	1,604,350	1,530,438	(73,912)
	<u>37,837,230</u>	<u>37,837,230</u>	<u>38,955,146</u>	<u>1,117,916</u>
<i><b>NONOPERATING and OTHER RECEIPTS</b></i>				
Net investment income	756,000	756,000	1,504,109	748,109
Proceeds from bond issuance	25,000,000	25,000,000	22,598,745	(2,401,255)
Capital contributions	3,343,311	3,343,311	5,298,549	1,955,238
Other income (including cash from sale of equipment)	15,000	15,000	67,561	52,561
	<u>29,114,311</u>	<u>29,114,311</u>	<u>29,468,964</u>	<u>354,653</u>
Total Revenue and Other Receipts	<u>66,951,541</u>	<u>66,951,541</u>	<u>68,424,110</u>	<u>1,472,569</u>
<b>EXPENDITURES and OTHER OUTLAYS</b>				
<i><b>OPERATING</b></i>				
Water operations	14,735,167	12,524,443	13,986,440	(1,461,997)
Wastewater operations	5,287,419	4,977,734	4,724,790	252,944
Administrative and general technical	7,654,275	6,841,461	7,158,519	(317,058)
Miscellaneous capital				
Capital outlay	1,086,537	903,845	681,288	222,557
	<u>28,763,398</u>	<u>25,247,483</u>	<u>26,551,037</u>	<u>(1,303,554)</u>
<i><b>NONOPERATING</b></i>				
Debt Service				
Interest paid on bonds	1,837,500	1,837,500	1,160,141	677,359
Principal paid on bonds	5,990,000	5,990,000	5,990,000	-
All other funds / capital related				
Capital improvement projects	33,746,000	17,445,765	12,200,118	5,245,647
Water acquisition	716,436	52,940,703	22,744,906	30,195,797
Major repair projects	7,970,000	267,886	146,805	121,081
Bond issuance expenditures	225,000	225,000	-	225,000
	<u>50,484,936</u>	<u>78,706,854</u>	<u>42,241,970</u>	<u>36,464,884</u>
Total Expenses	<u>79,248,334</u>	<u>103,954,337</u>	<u>68,793,007</u>	<u>35,161,330</u>
<b>EXCESS REVENUE OVER (UNDER)</b>				
<b>EXPENSES (BUDGETARY BASIS)</b>	(12,296,793)	(37,002,796)	(368,896)	36,633,900
<b>FUNDS AVAILABLE - BEGINNING OF YEAR</b>	81,381,448	89,821,999	88,706,477	(1,115,522)
<b>FUNDS AVAILABLE - END OF PERIOD</b>	<u>\$ 69,084,655</u>	<u>\$ 52,819,203</u>	<u>\$ 88,337,581</u>	<u>\$ 35,518,378</u>

See accompanying Independent Auditors' Report

**CENTENNIAL WATER AND SANITATION DISTRICT  
BUDGET RECONCILIATION  
FOR THE YEAR ENDED**

**BUDGETARY FUNDS AVAILABLE AT DECEMBER 31, 2018 IS COMPUTED AS FOLLOWS**

	Restricted		Operating	Combined
	Debt Service	Capital Projects		
Current assets	\$ 9,550,000	\$ 18,678,552	\$ 62,999,480	\$ 91,228,032
Liabilities payable from current assets	(6,162,634)	(661,987)	(1,947,184)	(8,771,805)
Net current assets per financial statements	3,387,366	18,016,565	61,052,296	82,456,227
Budget adjustments:				
Accrued interest payable	57,634	-	-	57,634
Long term compensated absences	-	-	(281,275)	(281,275)
Current portion of bonds payable	6,105,000	-	-	6,105,000
<b>Funds available at December 31, 2018</b>	<u>\$ 9,550,000</u>	<u>\$ 18,016,565</u>	<u>\$ 60,771,021</u>	<u>\$ 88,337,581</u>

**RECONCILIATION FROM BUDGETARY BASIS TO GAAP BASIS OF ACCOUNTING**

<b>REVENUE (Budgetary basis)</b>	\$ 68,424,110
Less:	
Capital contributions	17,300,196
Proceeds from bond issuance	(22,598,745)
<b>REVENUE (GAAP basis)</b>	<u>40,526,816</u>
<b>EXPENDITURES (Budgetary basis)</b>	68,793,007
Plus:	
Depreciation	6,404,333
Amortization	389,808
Net decrease in accrued interest payable	(10,058)
Loss on disposal of assets	249,540
Noncapital major repair	480,482
Less:	
Operating miscellaneous capital	(681,288)
Water acquisition	(22,744,906)
Capital improvement projects	(12,200,118)
Major repair projects	(146,805)
Principal payments	(5,990,000)
<b>EXPENSES (GAAP basis)</b>	<u>34,543,994</u>
<b>INCOME (LOSS) BEFORE CONTRIBUTIONS</b>	<u>\$ 5,982,823</u>

See accompanying Independent Auditors' Report

**CENTENNIAL WATER AND SANITATION DISTRICT  
STATISTICAL SECTION  
DECEMBER 31, 2018**

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This section of the Centennial Water and Sanitation District Comprehensive Annual Financial Report presents detailed data as a context for understanding the information in the financial statements, note disclosures, and required supplementary information.

<u>Content</u>	<u>Tables &amp; Charts</u>	<u>Pages</u>
<p><b>FINANCIAL TRENDS</b> These tables and charts contain trend information to help the reader understand how the District’s financial condition has changed over time.</p>	A1 – A3	24-27
<p><b>REVENUE CAPACITY</b> These tables and charts contain information to help the reader assess the District’s largest revenue sources.</p>	B1 – B4	28-32
<p><b>DEBT CAPACITY</b> These tables and charts present information to help the reader assess the affordability of the District’s current levels of outstanding debt and the District’s ability to issue debt in the future.</p>	C1-C2	33-36
<p><b>DEMOGRAPHIC &amp; ECONOMIC INFORMATION</b> These tables and charts offer demographic and economic indicators to help the reader understand the environment that the District’s financial activities are taking place within.</p>	D1-D2	37-38
<p><b>OPERATING INFORMATION</b> These tables and charts contain service data to help the reader understand how information in the financial report relates to the services the District provides and the activities it performs.</p>	E1	39

Centennial Water and Sanitation District

TABLE A-1  
NET POSITION  
Last Ten Years

	2009	2010 Restated	2011 Restated	2012	2013	2014	2015	2016	2017	2018
<b>ASSETS</b>										
Current Assets										
Current Operating - cash	\$ 29,881,702	\$ 32,388,753	\$ 41,924,036	\$ 45,725,030	\$ 44,453,163	\$ 42,498,661	\$ 45,572,506	\$ 48,564,732	\$ 51,998,405	\$ 57,171,036
Current Operating - noncash	3,887,360	3,884,977	3,959,175	4,564,426	4,100,834	4,297,496	4,716,852	4,685,807	4,561,274	5,828,444
Current Restricted -cash	34,362,768	36,777,299	30,655,860	38,360,802	35,810,389	35,842,910	36,582,394	38,503,191	36,181,686	28,228,552
Current Restricted -noncash	-	-	50,120	86,312	49,048	24,781	11,129	3,792	-	-
Total Current Assets	<u>68,131,830</u>	<u>73,051,029</u>	<u>76,589,191</u>	<u>88,736,570</u>	<u>84,413,434</u>	<u>82,663,848</u>	<u>86,882,881</u>	<u>91,757,522</u>	<u>92,741,365</u>	<u>91,228,032</u>
Noncurrent Assets										
Capital assets (less accumulated depreciation)	201,788,751	196,554,244	191,862,231	187,809,077	190,258,675	191,014,878	186,834,091	184,539,071	191,916,339	220,555,101
Total Noncurrent Assets	<u>201,788,751</u>	<u>196,554,244</u>	<u>191,862,231</u>	<u>187,809,077</u>	<u>190,258,675</u>	<u>191,014,878</u>	<u>186,834,091</u>	<u>184,539,071</u>	<u>191,916,339</u>	<u>220,555,101</u>
Deferred outflows of resources										
Cost of bond refunding (restated 2010 on)	1,083,522	374,219	298,703	4,114,816	3,438,920	2,827,115	2,322,221	1,844,346	1,409,738	1,019,930
Total assets & deferred outflow of resources	<u>271,004,103</u>	<u>269,979,492</u>	<u>268,750,125</u>	<u>280,660,463</u>	<u>278,111,029</u>	<u>276,505,841</u>	<u>276,039,193</u>	<u>278,140,939</u>	<u>286,067,442</u>	<u>312,803,063</u>
<b>LIABILITIES</b>										
Current Liabilities										
from Current Operating Assets	1,286,403	1,952,234	1,709,988	1,755,309	1,775,491	1,591,523	1,557,140	1,564,762	1,840,086	1,947,183
from Restricted Assets	3,772,106	3,900,472	4,101,823	4,993,484	5,861,490	5,861,606	5,727,539	5,874,600	8,008,623	6,824,621
Total Current Liabilities	<u>5,058,509</u>	<u>5,852,706</u>	<u>5,811,811</u>	<u>6,748,793</u>	<u>7,636,981</u>	<u>7,453,129</u>	<u>7,284,679</u>	<u>7,439,362</u>	<u>9,848,709</u>	<u>8,771,804</u>
Noncurrent Liabilities										
Compensated absences	243,027	200,081	245,052	249,233	241,644	264,556	274,977	281,384	243,871	281,275
Revenue bonds payable	64,227,585	60,542,390	56,689,049	62,197,130	57,041,204	51,581,482	45,985,066	40,260,352	35,824,059	52,317,810
Capital leases payable	82,549	33,399	-	-	-	-	-	-	-	-
Total Noncurrent Liabilities	<u>64,553,161</u>	<u>60,775,870</u>	<u>56,934,101</u>	<u>62,446,363</u>	<u>57,282,848</u>	<u>51,846,038</u>	<u>46,260,043</u>	<u>40,541,736</u>	<u>36,067,930</u>	<u>52,599,085</u>
Total Liabilities	<u>69,611,670</u>	<u>66,628,576</u>	<u>62,745,912</u>	<u>69,195,156</u>	<u>64,919,829</u>	<u>59,299,167</u>	<u>53,544,722</u>	<u>47,981,098</u>	<u>45,916,639</u>	<u>61,370,889</u>
<b>NET POSITION</b>										
Net investment in capital assets	133,822,108	132,261,858	131,299,789	120,776,947	128,187,471	134,058,396	135,304,025	140,428,065	151,512,018	163,152,221
Restricted										
Debt Service	6,628,000	6,636,700	6,653,592	6,642,000	6,664,495	6,659,000	6,688,000	6,813,000	7,257,405	9,550,000
Capital Projects	27,731,246	30,140,599	24,008,795	31,700,983	28,449,161	28,803,211	29,805,357	31,604,606	26,973,351	18,016,565
Unrestricted	33,211,079	34,311,759	44,042,037	52,345,377	49,890,073	47,686,067	50,697,089	51,314,170	54,408,029	60,713,389
Total Net Position	<u>201,392,433</u>	<u>203,350,916</u>	<u>206,004,213</u>	<u>211,465,307</u>	<u>213,191,200</u>	<u>217,206,674</u>	<u>222,494,471</u>	<u>230,159,841</u>	<u>240,150,803</u>	<u>251,432,175</u>
Total Liabilities and Net Position	<u>\$ 271,004,103</u>	<u>\$ 269,979,492</u>	<u>\$ 268,750,125</u>	<u>\$ 280,660,463</u>	<u>\$ 278,111,029</u>	<u>\$ 276,505,841</u>	<u>\$ 276,039,193</u>	<u>\$ 278,140,939</u>	<u>\$ 286,067,442</u>	<u>\$ 312,803,063</u>

**Centennial Water and Sanitation District**  
**TABLE A-2**  
**CHANGE IN NET POSITION**  
 Last Ten Years

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
<b>OPERATING REVENUES:</b>										
Water Operations*	\$ 18,032,909	\$ 20,725,452	\$ 20,634,689	\$ 23,356,395	\$ 20,977,591	\$ 22,311,044	\$ 23,320,709	\$ 26,124,365	\$ 25,958,136	\$ 28,512,675
Wastewater Operations*	8,065,852	7,749,484	8,100,431	8,362,615	8,671,531	8,888,171	9,272,790	9,712,521	10,036,591	10,442,472
Total Operating Revenue	<u>26,098,761</u>	<u>28,474,936</u>	<u>28,735,120</u>	<u>31,719,010</u>	<u>29,649,122</u>	<u>31,199,215</u>	<u>32,793,499</u>	<u>35,836,886</u>	<u>35,994,727</u>	<u>38,955,147</u>
<b>OPERATING EXPENSES:</b>										
Water operations	10,155,726	9,790,308	10,103,223	10,266,691	11,661,137	10,882,238	10,824,304	12,293,103	12,972,389	13,986,440
Wastewater operations	3,491,811	3,600,479	4,095,745	4,670,118	4,473,980	4,863,717	4,983,185	4,693,610	4,296,289	4,724,790
Administrative and general	5,679,667	5,378,632	5,451,604	5,571,191	5,644,674	5,885,419	6,108,415	6,438,264	7,015,519	7,158,519
Non capitalized expenses paid from major repair reserve	128,654	593,321	246,404	11	21,020	886,419	511,951	860,597	581,383	480,482
Depreciation	6,107,030	6,126,965	6,284,734	6,338,976	6,469,771	6,670,642	6,665,027	6,638,711	6,629,523	6,404,333
Total Operating Expense	<u>25,562,888</u>	<u>25,489,705</u>	<u>26,181,710</u>	<u>26,846,987</u>	<u>28,270,582</u>	<u>29,188,435</u>	<u>29,092,882</u>	<u>30,924,285</u>	<u>31,495,103</u>	<u>32,754,564</u>
Operating Income (Loss)	<u>535,873</u>	<u>2,985,231</u>	<u>2,553,410</u>	<u>4,872,023</u>	<u>1,378,540</u>	<u>2,010,780</u>	<u>3,700,617</u>	<u>4,912,601</u>	<u>4,499,624</u>	<u>6,200,583</u>
<b>NONOPERATING REVENUES:</b>										
Net investment income (loss)	1,017,116	758,214	879,186	605,546	(54,156)	693,307	594,850	810,284	924,377	1,504,109
Gain on disposal of equipment	42,835	14,970	236	-	3,010	58,655	6,070	38,290	15,940	67,561
Other income	-	591,285	8,248	-	-	420,913	406,059	8,385	1,167,517	-
Total Nonoperating Revenue	<u>1,059,951</u>	<u>1,364,469</u>	<u>887,670</u>	<u>605,546</u>	<u>(51,146)</u>	<u>1,172,875</u>	<u>1,006,979</u>	<u>856,959</u>	<u>2,107,834</u>	<u>1,571,670</u>
<b>NONOPERATING EXPENSES:</b>										
Interest	3,188,992	3,074,563	2,939,724	2,711,616	2,324,562	1,940,912	1,270,018	1,141,234	958,537	1,150,082
Amortization of bond issuance cost	182,502	709,303	75,516	425,646	37,265	49,767	467,130	455,498	423,042	389,808
Loss on disposal of equipment	5,024	440,546	42,200	12,688	-	239,063	-	85,519	379,180	249,540
Capital grants to other governments	281,598	296,259	-	-	-	-	-	-	-	-
Water Transfer	64,140	-	42,760	-	61,800	-	-	-	-	-
Total Nonoperating Expense	<u>3,722,256</u>	<u>4,520,671</u>	<u>3,100,200</u>	<u>3,149,950</u>	<u>2,423,627</u>	<u>2,229,742</u>	<u>1,737,148</u>	<u>1,682,251</u>	<u>1,760,759</u>	<u>1,789,430</u>
INCOME (LOSS) BEFORE CONTRIBUTIONS	<u>(2,126,432)</u>	<u>(170,971)</u>	<u>340,880</u>	<u>2,327,619</u>	<u>(1,096,233)</u>	<u>953,913</u>	<u>2,970,448</u>	<u>4,087,309</u>	<u>4,846,699</u>	<u>5,982,823</u>
<b>CAPITAL CONTRIBUTIONS IN/(OUT)</b>										
Reserved Capacity Fees	3,372,265	2,129,454	2,312,417	3,133,475	2,822,126	3,061,561	2,317,349	3,578,061	5,144,263	5,298,549
CHANGE IN NET POSITION	<u>1,245,833</u>	<u>1,958,483</u>	<u>2,653,297</u>	<u>5,461,094</u>	<u>1,725,893</u>	<u>4,015,474</u>	<u>5,287,797</u>	<u>7,665,370</u>	<u>9,990,962</u>	<u>11,281,372</u>
NET POSITION - BEGINNING OF YEAR	200,146,600	201,392,433	203,350,916	206,004,213	211,465,307	213,191,200	217,206,674	222,494,471	230,159,841	240,150,803
NET POSITION - END OF YEAR	<u>\$ 201,392,433</u>	<u>\$ 203,350,916</u>	<u>\$ 206,004,213</u>	<u>\$ 211,465,307</u>	<u>\$ 213,191,200</u>	<u>\$ 217,206,674</u>	<u>\$ 222,494,471</u>	<u>\$ 230,159,841</u>	<u>\$ 240,150,803</u>	<u>\$ 251,432,175</u>

\*pledged as security - revenue bonds

**Centennial Water and Sanitation District**

TABLE A-3

**REVENUES and RESERVED CAPACITY FEES**

Last Ten Years

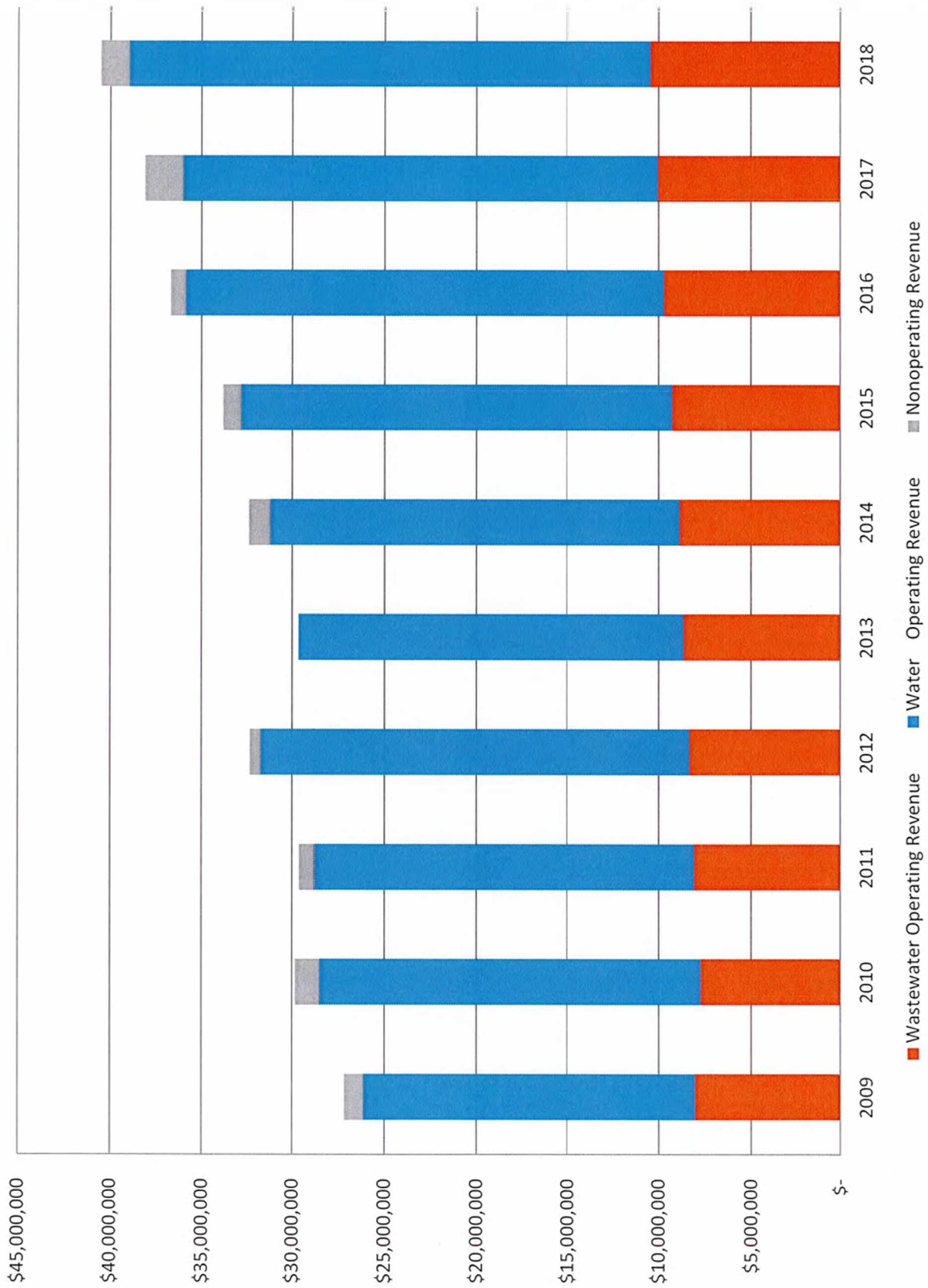
Year	UTILITY REVENUES (1)				RESERVED CAPACITY FEES (2)			
	Water Operating Revenue	Wastewater Operating Revenue	Nonoperating Revenue	Total	Highlands Ranch Metro District	No. Douglas County Water & Sanitation	Total	Total
2009	18,032,909	8,065,852	1,059,951	27,158,712	3,212,487	159,778	3,372,265	3,372,265
2010	20,725,452	7,749,484	1,364,469	29,839,405	2,129,454	-	2,129,454	2,129,454
2011	20,634,689	8,100,431	887,670	29,622,790	2,188,557	123,860	2,312,417	2,312,417
2012	23,356,395	8,362,615	605,546	32,324,556	3,108,063	25,412	3,133,475	3,133,475
2013	20,977,591	8,671,531	(51,146)	29,597,976	2,673,681	148,445	2,822,126	2,822,126
2014	22,311,044	8,888,171	1,172,875	32,372,090	3,061,561	-	3,061,561	3,061,561
2015	23,520,709	9,272,790	1,006,979	33,800,478	2,317,561	-	2,317,561	2,317,561
2016	26,124,365	9,712,521	856,959	36,693,845	3,578,061	-	3,578,061	3,578,061
2017	25,958,136	10,036,591	2,107,834	38,102,561	5,144,263	-	5,144,263	5,144,263
2018	28,512,675	10,442,472	1,571,670	40,526,817	5,298,549	-	5,298,549	5,298,549

**NOTES**

- 1 Utility revenues includes all operating and nonoperating revenues per the financial statements
- 2 Pursuant to intergovernmental agreements, the District receives cash contributions from other governments for their license to use capacity in the total water and wastewater facilities of the District.



**UTILITY REVENUES - Chart A-3**



**Centennial Water and Sanitation District**

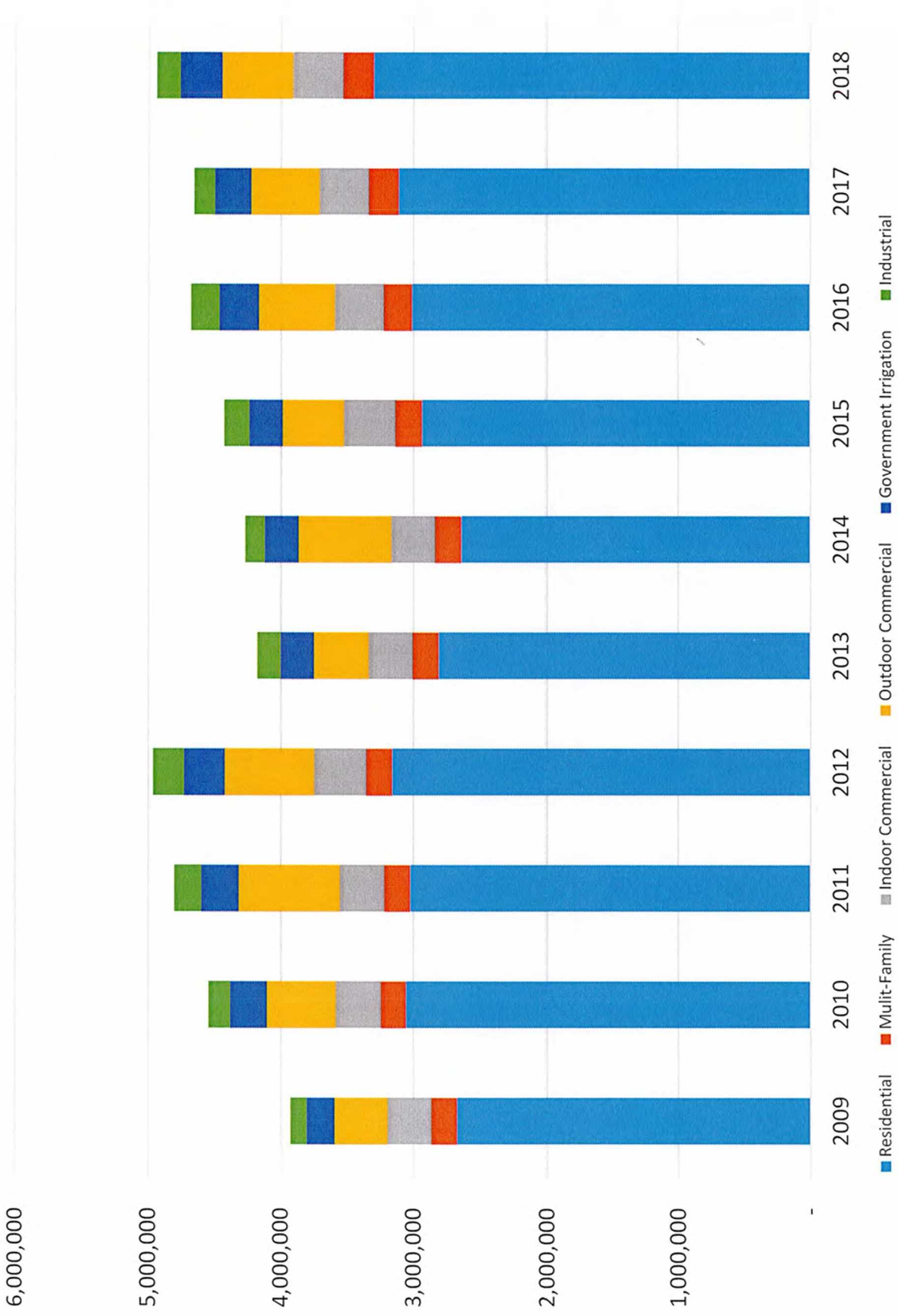
TABLE B-1

WATER SOLD BY CUSTOMER TYPE (in 1,000 gallons) - Highlands Ranch only  
Last Ten Years

Year	Residential	Multifamily	Indoor		Outdoor Commercial	Government Irrigation	Industrial	Total	Change -	
			Commercial	Commercial					year over year	10 year cumulative
2009	2,675,872	189,461	327,222	398,538	210,900	121,608	3,923,601			
2010	3,055,805	188,119	336,829	523,172	275,798	166,026	4,545,749	15.86%	15.86%	
2011	3,024,741	192,313	334,857	765,218	281,417	205,065	4,803,611	5.67%	22.43%	
2012	3,159,771	190,945	394,599	677,054	308,791	230,725	4,961,885	3.29%	26.46%	
2013	2,810,481	192,788	330,726	415,692	249,393	177,057	4,176,137	-15.84%	6.44%	
2014	2,641,481	195,510	327,490	699,840	254,916	148,336	4,267,573	2.19%	8.77%	
2015	2,935,723	198,224	387,930	463,073	250,867	191,580	4,427,397	3.75%	12.84%	
2016	3,011,130	211,179	367,893	574,410	298,553	215,720	4,678,885	5.68%	19.25%	
2017	3,111,501	222,705	372,899	514,706	276,640	155,520	4,653,971	-0.53%	18.61%	
2018	3,299,539	227,012	376,806	539,929	317,742	175,694	4,936,722	6.08%	25.82%	

Source: District's Utility Billing Division

### Water Sold by Customer Type - Highlands Ranch Customers only in thousands



**Centennial Water and Sanitation District**  
**TABLE B-2**  
**HISTORY OF BASE WATER and WASTEWATER RATES**  
 Last Ten Years

Year	Water Rates			Wastewater Rates	
	Service Availability Charge Monthly per equivalent	Base Rate per 1,000 gallons	Top Tier Rate* per 1,000 gallons	Monthly Fixed Fee per equivalent	Rate per 1,000 gallons
2009	12.50	2.55	7.90	6.11	2.55
2010	12.50	2.55	7.90	6.11	2.35
2011	12.50	2.60	8.05	6.25	2.52
2012	12.50	2.65	8.21	6.50	2.55
2013	12.50	2.75	8.52	6.50	2.65
2014	13.50	2.95	9.14	6.75	2.75
2015	13.50	3.05	9.46	6.75	2.93
2016	13.50	3.21	9.94	6.95	3.03
2017	13.50	3.41	10.56	6.95	3.08
2018	13.65	3.63	11.25	7.20	3.20

**NOTES:**

- 1 Rates shown are as of December 31 of each year. Residential is billed bimonthly and nonresidential is billed monthly.
- 2 Water rates are per 1,000 gallons of water consumed.
- 3 Residential wastewater rates are computed based on wintertime water usage. The minimum charge is based on 3,000 gallons.
- 4 Service availability charge and Monthly Fixed Fee shown are based on 3/4" equivalent tap size on a monthly basis.
- 5 Each Customer has a unique water budget that varies with lot size and time of year. Usage up to water budget is billed at the base rate. Usage above the water budget is billed in increasing rate tiers up to the top tier.

Centennial Water and Sanitation District

TABLE B-3  
TAPS SOLD IN 3/4" Equivalent  
Last Ten Years

Year	Highlands Ranch Metro District (1)				Northern Douglas County (2)				TOTAL	
	Single Family	Residential Multi-Family	Commercial	Government Irrigation	Total	Single Family	Residential Multi-Family	Commercial		Total
Prior to 2009	27,224	6,005	3,770	1,317	38,316	1,527	104	243	1,874	40,190
2009	76	8	78	0	162	0	0	6	6	168
2010	107	8	55	0	170	0	0	0	0	170
2011	212	32	57	8	309	0	0	4	4	313
2012	322	22	89	26	459	1	0	0	1	460
2013	262	278	101	0	641	0	0	5	5	646
2014	184	202	55	0	441	0	0	0	0	441
2015	150	196	92	0	438	0	0	0	0	438
2016	105	68	26	0	199	0	0	0	0	199
2017	118	384	52	0	554	0	0	0	0	554
2018	165	237	102	0	504	0	56	2	58	562
Total	28,925	7,440	4,477	1,351	42,193	1,528	160	260	1,948	44,141

Notes:

- 1 Centennial Water and Sanitation District serves the Highlands Ranch, Colorado community through the Highlands Ranch Metro District and outside the boundaries of Highlands Ranch through Northern Douglas County Water and Sanitation District.
- 2 Tap Fee units are given in number of dwelling units for single family (each of which would be 1 3/4" single family equivalent "SFE") and multi-family residential units (each of which would be approximately .6 SFE) Commercial units are stated as number of 3/4" SFE. Tap Fees are collected prior to certificates of occupancy being approved.
- 3 The Highlands Ranch Metro District numbers include 1,177 irrigation tap equivalents installed and paying usage rates but were not required to pay Tap Fees.

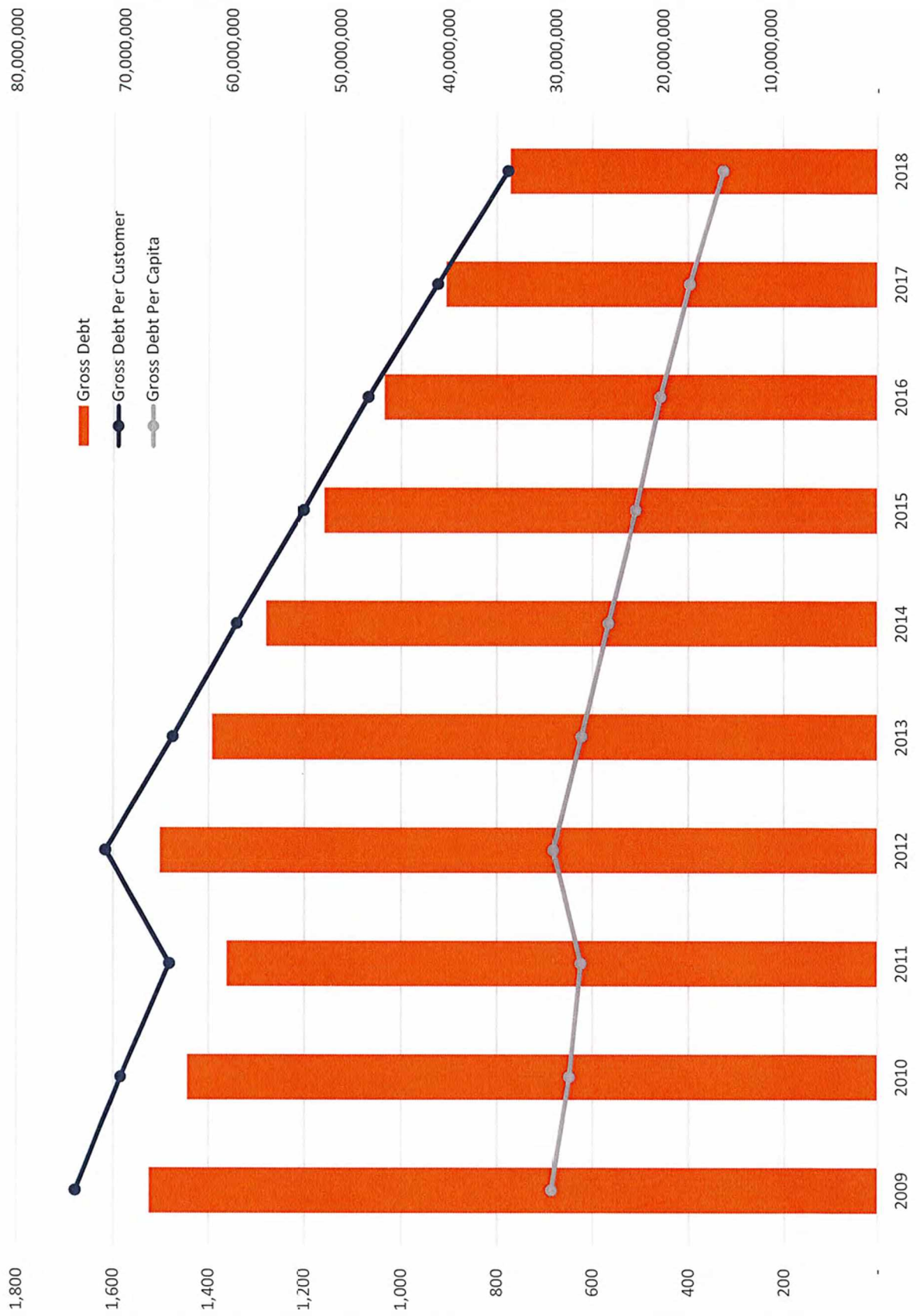
**Centennial Water and Sanitation District**  
**TABLE C-1**  
**RATIO OF BONDED DEBT**  
**NET BONDED DEBT PER CUSTOMER and PER CAPITA SERVED**  
**Last Ten Years**

Year	Customers Served (1)	Population Served	Capital Leases	Gross Bonded Debt			Ratio of Gross Debt		Ratio of Net Debt	
				Outstanding	Less Net Debt Service Funds	Net Indebtedness	Per Customer (1)	Per Capita	Per Customer (1)	Per Capita
2009	40,358	98,766	231,214	67,720,000	6,628,000	61,323,214	1,678	686	1,519	621
2010	40,528	99,091	164,398	64,190,000	6,636,700	57,717,698	1,584	648	1,424	582
2011	40,841	97,052	79,996	60,520,000	6,653,592	53,946,404	1,482	624	1,321	556
2012	41,301	98,001	33,393	66,725,000	6,642,000	60,116,393	1,616	681	1,456	613
2013	41,947	99,485	-	61,890,000	6,664,495	55,225,505	1,475	622	1,317	555
2014	42,388	100,546	-	56,860,000	6,835,357	50,024,643	1,341	566	1,180	498
2015	42,826	101,498	-	51,485,000	6,688,000	44,797,000	1,202	507	1,046	441
2016	43,025	100,739	-	45,950,000	6,813,000	39,137,000	1,068	456	910	389
2017	43,579	101,835	-	40,245,000	7,257,406	32,987,594	923	395	757	324
2018	44,141	105,325	-	34,255,000	9,550,000	24,705,000	776	325	560	235

**NOTES:**

- 1 Customers served is based on the number of 3/4" single family equivalents per Table B-3.
- 2 Population is based on the estimated total population for Highlands Ranch Metro District and Northern Douglas County Water & Sanitation District calculated using single family equivalent taps per Table B-3.
- 3 Gross bonded debt includes the principal on Revenue Bonds outstanding as of year-end adjusted to eliminate original issue premium and issue starting in 2011 and loss on refunding in prior years .
- 4 Net Debt Service Funds reflects investment amount held at year end (net of interfunds) included in Restricted Assets.

Gross Debt  
Chart C-1



**Centennial Water and Sanitation District**  
**TABLE C-2**  
**COVENANT REQUIRED BOND COVERAGE (1)**  
 Last Ten Years

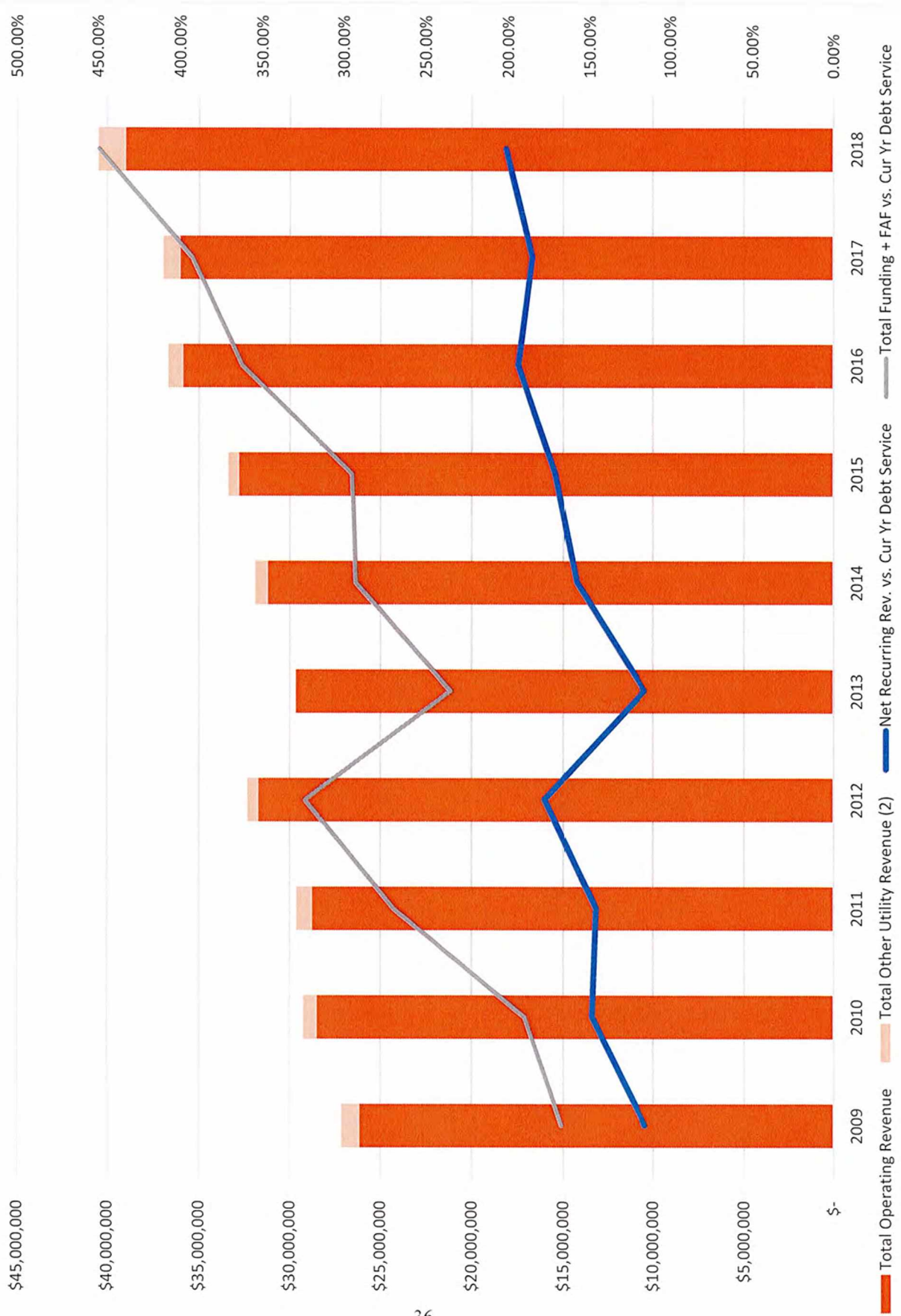
Audit Year	Current Debt Compliance										Future Debt Compliance			
	Total Operating Revenue (2)	Total Other Utility Revenue (2)	Total Recurring Revenue (2)	Operating Expenses before Depreciation (3)	Net Recurring (Operating) Revenue available for Debt Service	Total Net Capital Contributions	Total Funding available for Debt Service and Capital Outlay (5)	Financial Assurance Balance Required or Established (10)	Current Year Annual Debt Service	Maximum Annual Debt Service(6)	Net Recurring Revenue vs. Current Year Debt Service (6)	Total Funding + Financial Assurance vs. Current Annual Debt Service (7)	Maximum Annual Debt Service(8)	Total Funding + Financial Assurance vs. Maximum Annual Debt Service (9)
2009	26,098,761	1,017,116	27,115,877	19,455,858	7,660,019	3,372,265	11,075,119	-	6,599,896	6,843,000	116.06%	167.81%	6,843,000	161.85%
2010	28,474,936	758,214	29,233,150	19,362,740	9,870,410	2,129,454	12,606,119	-	6,627,871	6,843,000	148.92%	190.20%	6,843,000	184.22%
2011	28,735,120	879,186	29,614,306	19,896,976	9,717,330	2,312,417	12,038,231	5,827,259	6,635,308	6,843,000	146.45%	269.25%	6,843,000	261.08%
2012	31,719,010	605,546	32,324,556	20,508,011	11,816,545	3,133,475	14,950,020	6,552,892	6,639,841	6,813,000	177.96%	323.85%	6,843,000	315.62%
2013	29,649,122	(54,156)	29,594,966	21,800,811	7,794,155	2,822,126	10,619,291	5,114,373	6,703,000	6,813,000	116.28%	234.73%	6,813,000	230.94%
2014	31,199,215	693,307	31,892,522	21,631,371	10,261,151	3,061,561	13,322,712	5,694,663	6,498,108	6,813,000	157.91%	292.66%	6,813,000	279.13%
2015	32,793,499	594,850	33,388,349	21,915,904	11,472,445	2,317,349	13,789,794	5,936,686	6,688,000	6,813,000	171.54%	294.95%	6,813,000	289.54%
2016	35,836,886	810,284	36,647,170	23,424,977	13,222,193	3,578,061	16,800,254	7,898,634	6,813,000	6,813,000	194.07%	362.53%	6,813,000	362.53%
2017	35,994,727	924,377	36,919,104	24,285,228	12,633,876	5,144,263	17,778,139	8,994,664	6,813,000	6,813,000	185.44%	392.97%	7,250,500	392.97%
2018	38,968,797	1,504,109	40,472,906	25,869,749	14,603,157	5,298,549	19,901,706	12,694,664	7,250,500	7,250,500	201.41%	449.57%	7,680,000	449.57%

**NOTES:**

- 1 Bond coverage is based on the debt service on outstanding revenue bonds/loans per the respective resolutions..
- 2 Includes all income received from the operation of the District facilities including rates, fees, tolls and charge plus net investment income **but excludes** other non-operating income and Capital Contributions (i.e. Reserved Capacity Fees)
- 3 Expenses for normal operations and maintenance but not including **depreciation or expenses for non-capitalized major repairs made from a reserve fund established for major repair.**
- 4 Total Annual Debt Service includes actual interest paid. Amount is per financial statements increased by any amount capitalized; adjusted for accrued interest plus annual principal payment but not principal retired by refunding
- 5 Total Revenue less O&M Expenses plus Capital Contributions (Reserved Capacity Payments).
- 6 Required 100% Coverage test contained in Series 2005, 2008 and 2012 bond/loan resolutions.
- 7 Required 125% Coverage test contained in Series 2005, 2008 and 2012 bond/loan resolutions.
- 8 Maximum annual future debt service (principal and interest) as of December 31 of the audit year
- 9 125% coverage test contained in Series 2005, 2008 and 2012 bond/loan resolutions based on maximum annual debt service at then year end for future debt issues
- 10 In 2011 the Board voluntarily, by Resolution, established an internal fund that acts as the equivalent of a Rate Stabilization Fund.



### Covenant Required Current Debt Coverage



**Centennial Water and Sanitation District**  
**TABLE D-1**  
**DOUGLAS COUNTY, COLORADO - DEMOGRAPHIC STATISTICS**  
 Last Ten Years

Year	Total Population Served (1)	DOUGLAS COUNTY, COLORADO										Unemployment Rate (3)
		Estimated Population (3)	Personal Income (\$1,000) (5)	Personal Income Per Capita (5)	Median Age (3)	Average Household Size (3)	Occupancy % (3)	Public School Enrollment (4)	School Enrollment to Population			
2009	98,766	281,418	\$ 14,973,172	56,042	33.5	2.89	97.80%	52,393	18.8%	3.2%		
2010	99,091	286,780	15,644,272	56,785	35.7	2.89	97.80%	54,921	18.6%	5.1%		
2011	97,052	290,059	15,466,947	54,967	34.3	2.89	97.80%	57,666	19.2%	6.6%		
2012	98,001	288,430	15,278,947	53,243	36.6	2.84	96.80%	59,932	19.9%	8.3%		
2013	99,485	293,000	16,479,085	56,321	36.6	2.84	96.80%	61,465	20.8%	6.7%		
2014	100,546	300,500	18,000,244	60,267	37.4	2.84	96.80%	63,114	21.1%	6.3%		
2015	101,498	309,760	18,801,567	61,369	37.5	2.84	96.80%	64,657	21.3%	5.4%		
2016	100,739	319,210	20,343,382	64,613	36.9	2.84	96.80%	66,230	21.4%	4.0%		
2017	101,835	327,230	21,277,108	65,999	38.9	2.88	94.30%	66,899	20.4%	2.6%		
2018	105,325	336,000	NA	NA	NA	2.88	94.30%	67,740	20.2%	2.8%		

**NOTES:**

- 1 The Highlands Ranch Metro District and Northern Douglas County Water and Sanitation District are located within Douglas County. Demographic data, other than population estimates, for the two districts are not available.
- 2 However the county data is generally representative of both districts. Population is based on taps sold information from B-3 and C-1 multiplied by occupancy % and population per household estimates supplied by Douglas County

**SOURCES:**

- 3 Douglas County Government
- 4 Douglas County School District
- 5 Bureau of Economic Analysis

Centennial Water and Sanitation District

TABLE D-2

Douglas County, Colorado  
Principal Employers

Employer	2018		2009	
	Rank	% of Total	Rank	% of Total
Douglas County School District	1	7,730	1	6,732
Charles Schwab	2	4,200		
Echostar Communications	3	2,520	3	1,930
Centura Health	4	1,500		
Sky Ridge Medical Center	5	1,340	5	1,060
Douglas County	6	1,280	6	1,111
Jacobs Engineering (formerly CH2M Hill)	7	1,130	7	1,650
VISA-Inovant	8	960		
Computershare	9	920		
Cognizant/Trizetto	10	830		
Avaya				1,500
Aurora Loan Services				1,200
Western Union				1,110
TW Telecom				1,100
Sprint Nextel Corporation				930
				4.3%
				1.2%
				0.7%
				0.7%
				1.1%
				0.0%
				0.8%
				0.7%
				0.7%
				0.6%

CENTENNIAL WATER and SANITATION DISTRICT

TABLE E-1  
OPERATING INFORMATION  
December 31, 2018

FULL TIME EQUIVALENT EMPLOYEES AS OF DECEMBER 31, 2018										
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
O and M Management	5.0	5.0	5.0	5.0	5.0	5.5	7.0	7.0	8.0	8.0
Plant Operations	18.0	18.0	18.0	21.0	21.0	21.0	24.0	24.0	24.0	27.0
Plant Maintenance	15.0	15.0	15.0	10.0	11.0	11.0	11.0	11.0	11.0	11.0
Collection and Distribution	18.0	18.0	18.0	23.0	23.0	23.0	20.0	20.0	21.0	21.0
Lab	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Engineering	7.5	7.5	7.5	7.5	7.5	7.5	8.5	8.5	8.5	10.0
General Management	4.5	4.5	4.5	4.3	4.3	4.3	4.3	4.3	4.2	4.2
Financial Services	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.1	6.3
Customer Service	7.5	7.5	7.5	7.3	7.3	7.3	7.3	7.3	7.3	6.5
Temporaries	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
TOTAL	90.8	90.8	90.8	93.3	94.3	94.8	97.3	97.3	98.2	101.8

OPERATING INDICATORS										
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Customers Served - Total	40,366	40,536	40,849	41,309	41,955	42,388	42,826	43,025	43,579	44,141
Gallons Billed in Millions	3,924	4,546	4,804	4,962	4,176	4,268	4,427	4,679	4,654	4,936

CAPITAL ASSETS										
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
WATER										
Water Filtration Treatment Plant Gross Capacity MGD	40	40	40	40	40	40	40	40	40	40
Wells available for service	52	52	52	52	55	55	55	55	55	55
Pump Stations	12	12	12	12	12	12	12	12	12	12
Raw Water Storage Reservoirs - number	2	2	2	2	2	2	2	2	2	2
Raw Water Storage Reservoirs - capacity	6605 AF	6605 AF	6605 AF	6605 AF	6605 AF	6605 AF	6605 AF	6605 AF	6605 AF	6605 AF
Treated Storage Reservoirs - number	8	8	8	8	8	8	8	8	8	8
Treated Storage Reservoirs - capacity	38MG	38MG	38MG	38MG	38MG	38 MG	38 MG	38 MG	38 MG	38 MG
Ground Water Pressure Filtration Plants	2	2	2	2	2	2	2	2	2	2
Miles of water pipelines	432	433	434	437	438	442	443	446	452	452
Valves	9,893	9,937	9,999	10,169	10,196	10,344	10,378	10,541	10,679	10,755
Fire Hydrants	2982	2991	3004	3036	3043	3090	3099	3,129	3164	3,180
WASTEWATER										
8.5 MGD Wastewater Treatment Plant	1	1	1	1	1	1	1	1	1	1
Lift Station	4	4	4	4	4	4	4	4	4	4
Miles of sewer pipeline	319	319	319	321	322	325	325	327	328	333
Manholes	8,487	8,490	8,504	8,569	8,596	8,725	8,753	8,794	8,845	8,887