

Estill County Water District #1
Irvine, Kentucky

Independent Auditors' Report
And Financial Statements
For the Year Ended
December 31, 2018

Estill County Water District #1
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Independent Auditors' Report

To the Commissioners
Estill County Water District #1
Irvine, Kentucky

Report on the Financial Statements

We have audited the accompanying financial statements of the business-type activities of Estill County Water District #1 (the District), as of and for the year ended December 31, 2018, 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.

Auditors' Responsibility

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

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

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

Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of the business-type activities of Estill County Water District #1, as of December 31,

2018, and the respective changes in financial position and cash flows thereof for the year then ended in accordance with accounting principles generally accepted in the United States of America.

Change in Accounting Principle

As discussed in Notes 7 and 8 to the financial statements, during the year ended December 31, 2018, the District adopted accounting guidance, *GASB Statement No. 68, Accounting and Financial Reporting for Pensions*, and *GASB Statement No. 75, Accounting and Financial Reporting for Postemployment Benefits Other than Pensions*. Accordingly, an adjustment has been made to net position as of December 31, 2017 to record the District's share of the net pension liability and net OPEB liability. Our opinion is not modified with respect to this matter.

Other Matters

Required Supplementary Information

Accounting principles generally accepted in the United States of America require that the Schedule of the District's Proportionate Share of the Net Pension Liability, Schedule of the District's Proportionate Share of the Net OPEB Liability, Schedule of the District's Pension Contributions, and Schedule of the District's OPEB Contributions on pages 27-30 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.

Management has omitted the Management's Discussion and Analysis that accounting principles generally accepted in the United States of America require to be presented to supplement the basic financial statements. Such missing 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. Our opinion on the basic financial statements is not affected by this missing information.

Other Reporting Required by Government Auditing Standards

In accordance with *Government Auditing Standards*, we have also issued our report dated July 10, 2019 on our consideration of Estill County Water District #1's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts and grant agreements and other matters. The purpose of that report is to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing and not to provide an opinion on the internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering Cumberland County Water District's internal control over financial reporting and compliance.

Christian Sturgeon, PLLC

Christian Sturgeon, PLLC
London, Kentucky

July 10, 2019

Estill County Water District #1
Statement of Net Position
December 31, 2018

Assets

Current Assets

Cash and cash equivalents	\$ 106,213
Receivable, less allowance for doubtful accounts of \$24,575	146,158
Unbilled accounts receivable	73,469
Inventories	17,670
Prepaid expenses	10,599
Total Current Assets	354,109

Noncurrent Assets

Restricted Assets

Customer deposits	57,794
Debt and interest funds	65,471
Total Restricted Assets	123,265

Capital Assets

Land and improvements	15,565
Buildings and improvements	443,227
Equipment	1,401,977
Other water system assets	13,730,248
Transportation	178,183
Office furniture and equipment	35,481
Less: accumulated depreciation	(7,803,453)
Net Capital Assets	8,001,228

Total Noncurrent Assets

8,124,493

Total Assets

\$ 8,478,602

Deferred Outflows of Resources

Differences between expected and actual experience related to pensions	21,573
Net differences between projected and actual earnings on pension plan investments	30,756
Changes of assumptions related to pensions	64,639
Changes of assumptions related to OPEB	38,508
Pension contributions subsequent to measurement date	21,935
OPEB contributions subsequent to measurement date	7,113
Total Deferred Outflows of Resources	184,524

Estill County Water District #1
Statement of Net Position (Continued)
December 31, 2018

Liabilities

Current Liabilities	
Current portion of long-term debt	\$ 100,079
Accounts payable	191,384
Accrued interest payable	999
Accrued salaries and taxes payable	13,956
Customer deposits	57,353
Total Current Liabilities	363,771
Noncurrent Assets	
Net pension liability	661,407
Net OPEB liability	192,817
Long-term debt, less current portion included in current liabilities	4,242,054
Total Noncurrent Liabilities	5,096,278
Total Liabilities	5,460,049
Deferred Inflows of Resources	
Differences between expected and actual experience related to pensions	9,682
Differences between expected and actual experience related to OPEB	22,470
Net differences between projected and actual earnings on pension plan investments	38,687
Net differences between projected and actual earnings on OPEB plan investments	13,281
Changes of assumptions related to OPEB	445
Changes in proportion and differences between employer contributions and proportionate share of contributions related to pensions	41,231
Changes in proportion and differences between employer contributions and proportionate share of contributions related to OPEB	13,110
Total Deferred Inflows of Resources	138,906
Net Position	
Net investment in capital assets	3,659,095
Restricted	123,265
Unrestricted	(718,189)
Total Net Position	\$ 3,064,171

Estill County Water District #1
Statement of Revenues, Expenses and Changes in Net Position
For the Year Ended December 31, 2018

Operating Revenues	
Water sales	\$ 1,767,715
Other revenues	<u>125,076</u>
Total Operating Revenues	<u>1,892,791</u>
Operating Expenses	
Salaries and wages	293,699
Employee benefits	234,644
Purchased water	799,722
Utilities	75,347
Materials and supplies	89,918
Contracted services	106,859
Vehicle and equipment expenses	18,671
Insurance	30,454
Office expenses	23,389
Bad debt expense, net of recoveries	8,672
Depreciation	396,214
Other operating expenses	<u>65,530</u>
Total Operating Expenses	<u>2,143,119</u>
Operating Income (Loss)	<u>(250,328)</u>
Non-operating Revenues (Expenses)	
Interest income	272
Interest expense	<u>(151,134)</u>
Total Non-operating Revenues (Expenses)	<u>(150,862)</u>
Change in Net Position	(401,190)
Net Position, Beginning of Year (As Originally Reported)	4,300,108
Prior Period Adjustments	<u>(834,747)</u>
Net Position, Beginning of Year (As Restated)	<u>3,465,361</u>
Net Position, End of Year	<u><u>\$ 3,064,171</u></u>

Estill County Water District #1
Statement of Cash Flows
For the Year Ended December 31, 2018

Cash Flows From Operating Activities	
Receipts from customers	\$ 1,876,319
Payments to employees	(496,566)
Payments to suppliers	<u>(1,105,896)</u>
Net Cash Provided by Operating Activities	<u>273,857</u>
Cash Flows From Capital and Related Financing Activities	
Principal payments on debt	(4,216,919)
Interest payments on debt	(221,349)
Proceeds from debt	<u>4,308,133</u>
Net Cash Used by Capital and Related Financing Activities	<u>(130,135)</u>
Cash Flows From Investing Activities	
Interest income	<u>272</u>
Net Cash Provided by Investing Activities	<u>272</u>
Net Increase in Cash and Cash Equivalents	143,994
Cash and Cash Equivalents at Beginning of Year	<u>85,484</u>
Cash and Cash Equivalents at End of Year	<u><u>\$ 229,478</u></u>
Reconciliation of cash per Statement of Net Position to cash per Statement of Cash Flows:	
Cash and cash equivalents	\$ 106,213
Customer deposits	57,794
Depreciation reserves	<u>65,471</u>
Cash and cash equivalents per Statement of Cash Flows	<u><u>\$ 229,478</u></u>

Estill County Water District #1
Statement of Cash Flows (Continued)
For the Year Ended December 31, 2018

Reconciliation of Operating Income to Net Cash	
Provided by Operating Activities:	
Operating Income (Loss)	\$ (250,328)
Adjustments to reconcile operating income to net cash provided by operating activities	
Depreciation	396,214
Bad debt expense	8,672
(Increase) Decrease in operating assets	
Accounts receivable	(22,225)
Unbilled receivables	5,204
Inventory	22,506
Prepaid expenses	9,074
Increase (Decrease) in operating liabilities	
Accounts payable	72,414
Accrued salaries and taxes payable	933
Customer deposits	9,221
Net pension and OPEB liability	<u>22,172</u>
Net Cash Provided by Operating Activities	<u><u>\$ 273,857</u></u>

Estill County Water District #1
Notes to Financial Statements
December 31, 2018

Note 1 – Summary of Significant Accounting Policies

Reporting Entity

Estill County Water District #1 (the District) is an agency of the Estill County Fiscal Court. The District is governed by a Board of Commissioners appointed by the Estill County Fiscal Court. The District is regulated by the Kentucky Public Service Commission.

The District is a rural water utility system whose purpose is to establish, develop and operate a water supply and distribution system for its members and customers in Estill County, Kentucky. The District's primary source of revenue is from water sales to its customers, including public bodies and local businesses in its service area.

Basis of Accounting, Financial Presentation and Measurement Focus

The basic financial statements of the District have been prepared in accordance with accounting principles generally accepted in the United States of America ("GAAP") as applied to governmental units. The Governmental Accounting Standards Board ("GASB") is the standard-setting body for governmental accounting and financial reporting. The GASB periodically updates its codification of the existing Governmental Accounting and Financial Reporting Standards which, along with subsequent GASB pronouncements (Statements and Interpretations), constitutes GAAP for governmental units.

The District applies all relevant Financial Accounting Standards Board (FASB) pronouncements and Accounting Principles Board (APB) opinions issued on or before November 30, 1989, unless those pronouncements conflict or contradict GASB pronouncements, in which case, GASB prevails. In addition, the District applies all applicable FASB Statements and Interpretations issued after November 30, 1989, except those that conflict with or contradict GASB pronouncements.

The Statement of Net Position and Statement of Revenues, Expenses and Changes in Net Position display information about the District as a whole. These statements include all funds of the District.

The financial statements are prepared using the accrual basis of accounting. Revenues are recognized when earned and expenses are recorded when a liability is incurred, regardless of the timing of related cash flows.

Operating income reported by the District includes revenues and expenses related to the continuing operation of water service for its customers. Principal operating revenues are charges to customers for services. Principal operating expenses are the costs of providing the services and include administrative expenses and depreciation of capital assets. Other revenues and expenses are classified as non-operating in the financial statements.

Cash and Cash Equivalents

The District considers demand deposits and certificates of deposit to be cash equivalents.

Accounts Receivable

Receivables include amounts due from customers for water services. These receivables are due at the time the services are billed and are considered past due on the first day of the following month. Accounts receivable are presented net of uncollectible accounts. The allowance amount is estimated using a percentage of accounts past due more than 30 days. At December 31, 2018, the allowance for doubtful accounts was \$24,575.

Estill County Water District #1
Notes to Financial Statements
December 31, 2018

Note 1 - Summary of Significant Accounting Policies (Continued)

Unbilled Accounts Receivable

Estimated unbilled revenues from water sales are recognized at the end of each fiscal year on a pro rata basis. The estimated amount is based on billing during the month following the close of the fiscal year.

Inventories and Prepaid Expenses

Inventories consist of expendable supplies held for consumption stated on a first-in, first-out basis. They are reported at cost and are recorded as an expense at the time individual items are used. Prepaid expenses represent payments to vendors that benefit future reporting periods and are reported on the consumption basis.

Capital Assets

The District's property, plant and equipment with useful lives of more than one year are stated at historical cost. The costs of normal maintenance and repairs that do not add to the asset value or materially extend useful lives are not capitalized. Capital assets are depreciated using the straight-line method. When assets are disposed, the cost and applicable accumulated depreciation are removed from the respective accounts, and the resulting gain or loss is recorded in operations.

Estimated useful lives for depreciable assets are as follows:

Asset Classification	Range of Lives
Water and sewer system utility plants	20-40 years
Buildings and improvements	10-40 years
Trucks and equipment	3-10 years
Office equipment	3-10 years

Customer Deposits

The District collects and holds in escrow a \$100 deposit from customers to ensure collection of its water charges. Interest at an annual rate of 0.1% is paid on these deposits.

Compensated Absences

Full-time employees receive annual leave based on their years of continuous service. The District allows employees to accumulate and carry over a maximum of 40 hours of annual leave time. Employees are paid for any unused annual leave time earned upon termination of employment, and may be compensated in cash, subject to all taxes and withholdings, for all annual leave accrued at the end of each calendar year. Employees accrue 8 hours of sick leave time every odd month and 8 hours of personal leave time every even month. Personal leave time may accumulate and be carried forward from one calendar year to the next, but the total accumulation shall not exceed 16 hours. Employees may be compensated in cash, subject to all taxes and withholdings, for all annual personal leave accrued at the end of each calendar year.

Estill County Water District #1
Notes to Financial Statements
December 31, 2018

Note 1 - Summary of Significant Accounting Policies (Continued)

Net Position

Net position is comprised of the various net earnings from operating income, non-operating revenues and expenses, and capital contributions. Net position is classified in the following three components:

Net investment in capital assets – This component of net position consists of capital assets, net of accumulated depreciation, reduced by the outstanding balances of any bonds, mortgages, notes or other borrowings that are attributable to the acquisition, construction or improvement of those assets.

Restricted – This component of net position consists of restricted assets less liabilities and deferred inflows of resources related to those assets. Restricted assets are those with limits on their use that are externally imposed constraints imposed by creditors (such as through debt covenants), grantors, contributors, or laws or regulations of other governments or constraints imposed by law through constitutional provisions or enabling legislation.

Unrestricted – This component of net position consists of net amounts of the assets, deferred outflows of resources, liabilities, and deferred inflows of resources that are not included in the determination of the net investment in capital assets or the restricted component of net position.

When an expense is incurred for purposes for which both restricted and unrestricted net position are available, the Commission would typically use restricted assets first, but reserves the right to selectively spend unrestricted assets first.

Use of Estimates

The preparation of financial statements in conformity with generally accepted accounting principles requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

Pensions and OPEB

For purposes of measuring net pension liability, net OPEB liability, deferred outflows of resources and deferred inflows of resources related to pensions & OPEB, and pension and OPEB expense, information about the fiduciary net position of the County Employees Retirement System (CERS) and additions to/deductions from CERS's fiduciary net position have been determined on the same basis as they are reported by CERS. For this purpose, benefit payments (including refunds of employee contributions) are recognized when due and payable in accordance with the benefit terms. The plan's financial statements are prepared using the accrual basis of accounting and are prepared in accordance with accounting principles generally accepted in the United States of America (GAAP) that apply to governmental accounting for fiduciary funds. Investments are reported at fair value.

Estill County Water District #1
Notes to Financial Statements
December 31, 2018

Note 2 – Restricted Assets

Under the terms of all loan resolutions, the District is required to maintain certain accounts and funds for the benefit and protection of the creditors. The balance of these accounts at December 31, 2018 was \$65,471. In addition, the District is also required to collect reasonable and sufficient rates and charges for services rendered, prohibited from selling, leasing or mortgaging any part of the system without prior approval, required to maintain the operating system in good condition and to carry adequate insurance on all properties to protect against loss or damage.

The resolutions require the District to establish a depreciation fund or reserve to be used to finance the cost of unusual repairs, renewals and replacements not included in the annual budget and to pay for future system extensions. The balance of these accounts at December 31, 2018 was \$65,471.

The balances of customer deposits held at December 31, 2018 was \$57,794.

Note 3 – Kentucky Revised Statute

In accordance with Kentucky Revised Statute (KRS) 91A.060, the deposits are to be insured by the Federal Depository Insurance Corporation or collateralized to the extent uninsured by any obligations permitted by KRS 41.240(4). According to KRS 41.240(4), the financial institution shall either pledge or provide as collateral securities or other obligations having an aggregate current face value or current quoted market value at least equal to the deposits. According to KRS 66.480, the District is allowed to invest in obligations of the U.S. Treasury and U.S. agencies, repurchase agreements, obligations of the Commonwealth of Kentucky and its agencies, interest bearing deposits of insured savings and loans, or interest bearing deposits of insured national or state banks. For additional cash descriptive information, see Note 1.

Note 4 – Custodial Credit Risk - Deposits

Custodial credit risk is the risk that in the event of a bank failure, the District's deposits may not be returned to it. The District does not have a deposit policy for custodial credit risk. As of December 31, 2018, the District's total deposits at banks of \$256,319 were fully insured by the Federal Depository Insurance Corporation.

Note 5 – Capital Assets

The following is a summary of capital asset transactions for the year ended December 31, 2018:

	Balance Dec. 31, 2017	Additions	Dispositions	Balance Dec. 31, 2018
Land and land improvements	\$ 15,565	\$ -	\$ -	\$ 15,565
Buildings and improvements	443,227	-	-	443,227
Equipment	1,401,977	-	-	1,401,977
Other water system assets	13,730,248	-	-	13,730,248
Transportation	178,183	-	-	178,183
Office furniture and equipment	35,481	-	-	35,481
Totals at historical cost	<u>15,804,681</u>	-	-	<u>15,804,681</u>
Less accumulated depreciation	<u>7,407,239</u>	<u>396,214</u>	-	<u>7,803,453</u>
Capital assets - net	<u>\$ 8,397,442</u>	<u>\$ (396,214)</u>	<u>\$ -</u>	<u>\$ 8,001,228</u>

Estill County Water District #1
Notes to Financial Statements
December 31, 2018

Note 6 – Long-Term Debt

The following is a summary of long-term debt transactions for the year ended December 31, 2018:

	<u>Balance</u> <u>Dec. 31, 2017</u>	<u>Additions</u>	<u>Payments</u>	<u>Balance</u> <u>Dec. 31, 2018</u>	<u>Due Within</u> <u>One Year</u>
Loan payable to local bank, monthly principal and interest payment of \$2,331 at the rate of 3.0%, with final ballon payment due December 31, 2021	\$ -	\$ 241,440	\$ -	\$ 241,440	\$ 21,021
Loans payable to local bank, principal and interest payable monthly in varying amounts, interest rates ranging from 3.85% to 4.10%	283,819		283,819	-	-
Various bond issues payable to United States Department of Agriculture, principal and interest payable annually in varying amounts, interest rates ranging from 2.375% to 5.0%, with final payment due in 2058, secured by water distribution system	<u>3,967,100</u>	<u>4,066,693</u>	<u>3,933,100</u>	<u>4,100,693</u>	<u>79,058</u>
	<u>\$ 4,250,919</u>	<u>\$ 4,308,133</u>	<u>\$ 4,216,919</u>	<u>\$ 4,342,133</u>	<u>\$ 100,079</u>

Estill County Water District #1
Notes to Financial Statements
December 31, 2018

Note 6 – Long-Term Debt (Continued)

The aggregate annual principal repayments on long-term debt are summarized as follows:

<u>Year Ending December 31,</u>	<u>Principal</u>	<u>Interest</u>	<u>Total</u>
2019	\$ 100,079	\$ 104,740	\$ 204,819
2020	101,930	102,090	204,020
2021	263,795	99,263	363,058
2022	66,579	92,063	158,642
2023	68,160	90,482	158,642
2024-2028	365,375	427,835	793,210
2029-2033	411,156	382,053	793,209
2034-2038	462,376	330,834	793,210
2039-2043	519,976	273,234	793,210
2044-2048	584,574	208,556	793,130
2049-2053	657,631	135,579	793,210
2054-2058	740,502	53,650	794,152
	<u>\$ 4,342,133</u>	<u>\$ 2,300,379</u>	<u>\$ 6,642,512</u>

Note 7 – Retirement Plan

During the year ended December 31, 2018, the District adopted accounting guidance, *GASB Statement No. 68, Accounting and Financial Reporting for Pensions*. In accordance with GASB 68, a prior period adjustment of \$573,167 was made to reduce beginning net position to record the District's share of the net pension liability.

Estill County Water District #1 is a participating employer of the County Employees Retirement System (CERS). Under the provisions of Kentucky Revised Statute Section 61.645, the Board of Trustees of the Kentucky Retirement Systems administers CERS, in accordance with the provisions of Kentucky Revised Statute Sections 16.555, 61.570, and 78.630. The assets of the system are segregated by plan (KERS, CERS, and SPRS), where each system's assets are used only for the payment of benefits to the members of that plan and a pro rata share of administrative costs. The plan issues a publicly available financial report that includes financial statements and required supplementary information. That report may be downloaded from the Kentucky Retirement Systems website or may be obtained by writing to Kentucky Retirement Systems, 1260 Louisville Road, Frankfort, Kentucky 40601.

Plan Description

CERS is a cost sharing, multiple-employer, defined benefit pension plan that covers substantially all regular full-time members employed in non-hazardous and hazardous duty positions of each participating state department, board, agency, county, city, school board, and any additional eligible local agencies electing to participate in the System.

Benefits Provided

The plan provides for retirement, disability, and death benefits to plan members. Retirement benefits may be extended to beneficiaries of plan members under certain circumstances. Benefits under the plan will vary based on final compensation, years of service and other factors as fully described in the Plan documents. Cost-of-living adjustments (COLA) are provided at the discretion of state legislature.

Estill County Water District #1
Notes to Financial Statements
December 31, 2018

Note 7 – Retirement Plan (Continued)

Contributions

Funding for the plan is provided through payroll withholdings and contributions by the District. All employees meeting the requirements for membership are required to contribute a percentage of their gross wages. For the year ended December 31, 2018, plan members in non-hazardous positions were required to contribute 5% of the employee's total compensation subject to contribution. Employees hired after September 1, 2008 are required to contribute an additional 1% to cover the cost of medical insurance that is provided through CERS. Participating employers are required to contribute at an actuarially determined rate. Per Kentucky Revised Statute Section 61.565, normal contribution and past service contribution rates shall be determined by the Kentucky Retirement Systems Board of Trustees on the basis of the annual actuarial valuation last preceding the July 1 of a new biennium. The Board may amend contribution rates as of July 1 of the second year of a biennium, if it is determined on the basis of a subsequent actuarial valuation that amended contribution rates are necessary to satisfy requirements in accordance with the actuarial basis adopted by the Board. The District's required contribution rates for the year ended December 31, 2018 were 19.18% (January through June 2018) and 21.48% (July through December 2018). Required contribution rates were actuarially determined and adopted by the Kentucky Retirement Systems Board of Trustees. Administrative costs of the Kentucky Retirement System are financed through employer contributions and investment earnings.

Plan members who began participating on or after January 1, 2014 are required to contribute to the Cash Balance Plan. The Cash Balance Plan is known as a hybrid plan because it has characteristics of both a defined benefit plan and a defined contribution plan. A Cash Balance Plan resembles a defined contribution plan because it determines the value of benefits for each participant based on individual accounts. However, the assets of the plan remain in a single investment pool like a traditional defined benefit plan. A Cash Balance Plan resembles a defined benefit plan since it uses a specific formula to determine benefits. Members and employers contribute specified percentages of the member's wages each month to the member's account. Non-hazardous plan members are required to contribute 5% of wages to their individual account. All members are required to contribute 1% to the health insurance fund. The employer contribution rate is set annually by the Board based on an actuarial valuation. Each month, when employer contributions are received, an Employer Pay Credit is deposited to the member's account. For non-hazardous members, their account is credited with a 4% Employer Pay Credit. The Employer Pay Credit represents a portion of the employer contribution. The account earns a guaranteed amount of interest, 4% on both the member contributions and the Employer Pay Credit balance, at the end of each fiscal year. If the member contributed to the plan during the fiscal year, there may be additional interest credit added to the member's account depending on Kentucky Retirement Systems' investment returns. This "upside" interest sharing is based on the 5-year average geometric investment return. If it exceeds 4% the member's account will be credited with 75% of the amount of the returns over 4% on the account balance as of June 30 of the previous year. For the fiscal year ended June 30, 2018, the interest earned on CERS non-hazardous plans was 6.54%.

The District's payroll for the years ended December 31, 2018, 2017, and 2016 was \$267,162, \$269,622, and \$293,158, respectively, all of which was covered by CERS. The District's contribution requirements for CERS for the years ended December 31, 2018, 2017, and 2016 were \$54,352 (\$41,038 allocated to the CERS pension fund and \$13,314 allocated to the CERS insurance fund), \$51,051 (\$38,339 allocated to the CERS pension fund and \$12,712 allocated to the CERS insurance fund), and \$52,486 (\$38,746 allocated to the CERS pension fund and \$13,740 allocated to the CERS insurance fund), respectively. The District contributed 100% of their required contributions for the years ended December 31, 2018, 2017, and 2016.

Estill County Water District #1
Notes to Financial Statements
December 31, 2018

Note 7 – Retirement Plan (Continued)

Pension Liabilities, Pension Expense, and Deferred Outflows of Resources and Deferred Inflows of Resources Related to Pensions

At December 31, 2018, the District reported a liability of \$661,407 for their proportionate share of the net pension liability. The net pension liability was measured as of June 30, 2018, and the total pension liability used to calculate net pension liability was determined by an actuarial valuation as of that date. The District's proportion of the net pension liability was based on a projection of the District's long-term share of contributions to the pension plan relative to the projected contributions of all participating plan members, as actuarially determined. At the June 30, 2018 measurement date, the District's proportion was 0.010860%.

For financial reporting, the actuarial valuation as of June 30, 2018, was performed by Gabriel Roeder Smith (GRS). The total pension liability, net pension liability, and sensitivity information as of June 30, 2018 were based on an actuarial valuation date of June 30, 2017. The total pension liability was rolled forward from the valuation date (June 30, 2017) to the plan's fiscal year ending June 30, 2018, using generally accepted actuarial principles. There have been no changes in actuarial assumptions since June 30, 2017. The actuarial assumptions are:

Inflation	2.30%
Salary Increase	3.05%
Investment Rate of Return	6.25% for CERS Non-hazardous and and hazardous

However, during the 2018 legislative session, House Bill 185 was enacted, which updated the benefit provisions for active members who die in the line of duty. Benefits paid to the spouses of deceased members have been increased from 25% of the member's final rate of pay to 75% of the member's average pay. If the member does not have a surviving spouse, benefits paid to surviving dependent children have been increased from 10% of the member's final pay rate to 50% of average pay for one child, 65% of average pay for two children, or 75% of average pay for three children. The Total Pension Liability as of June 30, 2018 is determined using these updated benefit provisions.

The District recognized pension expense of \$79,974 for the year ended December 31, 2018. At December 31, 2018, the District reported deferred outflows of resources and deferred inflows of resources related to pensions from the following sources:

	<u>Deferred Outflows of Resources</u>	<u>Deferred Inflows of Resources</u>
Difference between expected and actual experience	\$ 21,573	\$ 9,682
Net difference between projected and actual investment earnings on pension plan investments	-	7,931
Changes of assumptions	64,639	-
Changes in proportion and differences between employer contributions and proportionate share of contributions	-	41,231
Employer contributions subsequent to the measurement date	21,935	-
Total	<u>\$ 108,147</u>	<u>\$ 58,844</u>

Estill County Water District #1
Notes to Financial Statements
December 31, 2018

Note 7 – Retirement Plan (Continued)

Pension Liabilities, Pension Expense, and Deferred Outflows of Resources and Deferred Inflows of Resources Related to Pensions (Continued)

Deferred outflows and inflows related to differences between projected and actual earnings on plan investments are netted and amortized over a closed five-year period. Deferred outflows and inflows related to experience gains/losses, the impact of changes in actuarial assumptions, changes in the employer's proportionate share of net pension liability, and differences between employer contributions and the proportionate share of contributions are amortized over the average remaining service life of the active and inactive System members at the beginning of the fiscal year.

\$21,935 reported as deferred outflows of resources related to pensions resulting from District contributions subsequent to the measurement date will be recognized as a reduction of the net pension liability in the year ended December 31, 2019. Other amounts reported as deferred outflows of resources related to pensions will be recognized in pension expense as follows:

Year ended December 31:

2019	\$	32,409
2020		11,628
2021		(13,118)
2022		(3,551)
2023		-
Thereafter		-
Total	<u>\$</u>	<u>27,368</u>

Actuarial Assumptions

The following actuarial methods and assumptions were used to determine the actuarially determined contributions effective for the fiscal year ending June 30, 2018:

Valuation Date	June 30, 2016
Experience Study	July 1, 2008 - June 30, 2013
Actuarial Cost Method	Entry Age Normal
Amortization Method	Level percent of pay
Remaining Amortization Period	27 years, closed
Payroll Growth Rate	4.00%
Asset Valuation Method	20% of the difference between the market value of assets and the expected actuarial value of assets is recognized
Inflation	3.25%
Salary Increase	4.00%, average
Investment Rate of Return	7.50%

The mortality table used for active members is RP-2000 Combined Mortality Table projected with Scale BB to 2013 (multiplied by 50% for males and 30% for females). For healthy retired members and beneficiaries, the mortality table used is the RP-2000 Combined Mortality Table projected with Scale BB to 2013 (set back for one year for females). For disabled members, the RP-2000 Combined Disabled Mortality Table projected with Scale BB to 2013 (set back four years for males) is used for the period after disability retirement. There is some margin in the current mortality tables for possible future improvement in mortality rates and that margin will be reviewed again when the next experience investigation is conducted.

Estill County Water District #1
Notes to Financial Statements
December 31, 2018

Note 7 – Retirement Plan (Continued)

Actuarial Assumptions (Continued)

The long-term expected rate of return was determined by using a building-block method in which best-estimate ranges of expected future real rate of returns are developed for each asset class. The ranges are combined by weighting the expected future real rate of return by the target asset allocation percentage. The target allocation and best estimates of arithmetic real rates of return for each major asset class are summarized in the following table:

Asset Class	Target Allocation	Long-Term Expected Real Rate of Return
US Equity*	17.50%	
US Large Cap	5.00%	4.50%
US Mid Cap	6.00%	4.50%
US Small Cap	6.50%	5.50%
Non US Equity*	17.50%	
International Developed	12.50%	6.50%
Emerging Markets	5.00%	7.25%
Global Bonds	4.00%	3.00%
Credit Fixed	24.00%	
Global IG Credit	2.00%	3.75%
High Yield	7.00%	5.50%
Emerging Market Debt	5.00%	6.00%
Illiquid Private	10.00%	8.50%
Private Equity	10.00%	6.50%
Real Estate*	5.00%	9.00%
Absolute Return	10.00%	5.00%
Real Return*	10.00%	7.00%
Cash	2.00%	1.50%
Total	100.00%	6.09%

*Long-Term Expected Real Rates of Return may vary by plans depending on the risk tolerance of the plan

Discount Rate

The discount rate used to measure the total pension liability was 6.25 percent. The projection of cash flows used to determine the discount rate assumed that local employers would contribute the actuarially determined contribution rate of projected compensation over the remaining 25 years (closed) amortization period of the unfunded actuarial accrued liability. The discount rate determination does not use a municipal bond rate. The target asset allocation and best estimates of arithmetic nominal rates of return for each major asset class are summarized in the CAFR. Projected future benefit payments for all current plan members were projected through 2117.

Estill County Water District #1
Notes to Financial Statements
December 31, 2018

Note 7 – Retirement Plan (Continued)

Sensitivity of the District's Proportionate Share of the Net Pension Liability to Changes in the Discount Rate

The following presents the net pension liability of the District's CERS pension plan, calculated using the discount rate of 6.25 percent, as well as what the District's net pension liability would be if it were calculated using a discount rate that is 1-percentage-point lower (5.25 percent) or 1-percentage-point higher (7.25 percent) than the current rate:

	1% Decrease (5.25%)	Current Discount Rate (6.25%)	1% Increase (7.25%)
District's net pension liability	\$ 832,643	\$ 661,407	\$ 517,941

Pension Plan Fiduciary Net Position

Detailed information about the pension plan's fiduciary net position is available in the separately issued CERS financial report.

Payable to the Pension Plan

At December 31, 2018, the District reported a payable of \$5,048 for the outstanding amount of contributions to the pension plan required for the year ended December 31, 2018. The payable includes the pension and insurance contribution allocations as well as contributions withheld from employees.

Note 8 –OPEB Plan

During the year ended December 31, 2018, the District adopted new accounting guidance, *GASB Statement No. 75, Accounting and Financial Reporting for Postemployment Benefits Other than Pensions*. The objective of this Statement is to address accounting and financial reporting for Other Postemployment Benefits (OPEB) that are provided to the employees of state and local governmental employers. In accordance with GASB 75, a prior period adjustment of \$190,013 was made to reduce beginning net position to record the District's share of the net OPEB liability.

Plan Description

As a participating employer of the County Employees' Retirement System (CERS), the District also participates in the County Employees Retirement System Insurance Fund (Insurance Fund). Under the provisions of Kentucky Revised Statute Sections 61.645 and 61.701, the Board of Trustees of Kentucky Retirement Systems administers the Kentucky Retirement Systems Insurance Fund (KERS), County Employees Retirement System (CERS) and State Police Retirement System (SPRS). The statutes provide for a single insurance fund to provide group hospital and medical benefits to retirees drawing a benefit from the three pension funds administered by Kentucky Retirement Systems (KERS, CERS, and SPRS). The assets of the Insurance Fund are also segregated by plan. The plan issues a publicly available financial report that includes financial statements and required supplementary information. That report may be downloaded from the Kentucky Retirement Systems website or may be obtained by writing to Kentucky Retirement Systems, 1260 Louisville Road, Frankfort, Kentucky 40601.

CERS Insurance Fund is a cost sharing, multiple-employer, defined benefit OPEB plan that covers substantially all regular full-time members employed in non-hazardous and hazardous duty positions of each participating state department, board, agency, county, city, school board, and any additional eligible local agencies electing to participate in the System.

Estill County Water District #1
Notes to Financial Statements
December 31, 2018

Note 8 –OPEB Plan (Continued)

Plan Membership

The net OPEB liability was calculated based on the Insurance plan membership as of June 30, 2017:

Membership Status	Non-Hazardous
Inactive plan members currently receiving benefits	33,481
Inactive plan members entitled to but not yet receiving benefits	8,230
Active plan members	81,891
Total Membership	123,602

Benefits Provided

The Insurance Fund was established to provide hospital and medical insurance for eligible members receiving benefits from KERS, CERS, and SPRS. The eligible non-Medicare retirees are covered by the Department of Employee Insurance (DEI) plans. Kentucky Retirement Systems submits the premium payments to DEI. The Board contracts with Humana to provide health care benefits to the eligible Medicare retirees through a Medicare Advantage Plan. The Insurance Fund pays a prescribed contribution for whole or partial payment of required premiums to purchase hospital and medical insurance. The Insurance Fund pays a proportion of hospital and medical insurance premiums for the spouse and dependents of retired hazardous members killed in the line of duty. The amount of contribution paid by the Insurance Fund is based on years of service. Additional details can be found in the publicly available Kentucky Retirement Systems Comprehensive Annual Financial Report which may be downloaded from the Kentucky Retirement Systems website.

Contributions

Funding for the plan is provided through payroll withholdings and contributions by the District. See Note 7 for a description of the District's covered payroll and contribution requirements as well as the breakdown of contributions between the pension and insurance funds.

OPEB Liabilities, OPEB Expense, and Deferred Outflows of Resources and Deferred Inflows of Resources Related to OPEB

At December 31, 2018 the District reported a liability of \$192,817 for its proportionate share of the net OPEB liability. The net OPEB liability was measured as of June 30, 2018, and the total OPEB liability used to calculate net OPEB liability was determined by an actuarial valuation as of that date. The District's proportion of the net OPEB liability was based on a projection of the District's long-term share of contributions to the OPEB plan relative to the projected contributions of all participating plan members, as actuarially determined. At the June 30, 2018 measurement date, the District's proportion was 0.010860 percent.

Estill County Water District #1
Notes to Financial Statements
December 31, 2018

Note 8 –OPEB Plan (Continued)

OPEB Liabilities, OPEB Expense, and Deferred Outflows of Resources and Deferred Inflows of Resources Related to OPEB (Continued)

For financial reporting the actuarial valuation as of June 30, 2018 was performed by Gabriel Roeder Smith (GRS). The total OPEB liability, net OPEB liability, and sensitivity information as of June 30, 2018, were based on an actuarial valuation date of June 30, 2017. The total OPEB liability was rolled-forward from the valuation date (June 30, 2017) to the plan's fiscal year ending June 30, 2018, using generally accepted actuarial principles. There have been no changes in actuarial assumptions since June 30, 2017 (other than the blended discount rate used to calculate the total OPEB liability). However, during the 2018 legislative session, House Bill 185 was enacted, which updated the benefit provisions for active members who die in the line of duty. The system shall now pay 100% of the insurance premium for spouses and children of all active members who die in the line of duty. The total OPEB liability as of June 30, 2018 is determined using these updated benefit provisions.

There have been no changes in actuarial assumptions since June 30, 2017. The actuarial assumptions are:

Inflation	2.30%
Payroll Growth Rate	2.00% for CERS non-hazardous and hazardous
Salary Increases	3.05%, average
Investment Rate of Return	6.25%
Healthcare Trend Rates	
Pre - 65	Initial trend starting at 7.00% at January 1, 2020, and gradually decreasing to an ultimate trend rate of 4.05% over a period of 12 years.
Post - 65	Initial trend starting at 5.00% at January 1, 2020, and gradually decreasing to an ultimate trend rate of 4.05% over a period of 10 years.

The mortality table used for active members is RP-2000 Combined Mortality Table projected with Scale BB to 2013 (multiplied by 50% for males and 30% for females). For healthy retired members and beneficiaries, the mortality table used is the RP-2000 Combined Mortality Table projected with Scale BB to 2013 (set back for one year for females). For disabled members, the RP-2000 Combined Disabled Mortality Table projected with Scale BB to 2013 (set back four years for males) is used for the period after disability retirement.

The long-term expected return was determined by using the building-block method in which best-estimate ranges of expected future real rates of returns are developed for each asset class. The ranges are combined by weighting the expected future real rate of return by the target allocation percentage. The target allocation and best estimates of arithmetic real rates of return for each major asset class are the same as those adopted for the CERS Pension Plan and are summarized in the table in Note 7.

Estill County Water District #1
Notes to Financial Statements
December 31, 2018

Note 8 –OPEB Plan (Continued)

OPEB Liabilities, OPEB Expense, and Deferred Outflows of Resources and Deferred Inflows of Resources Related to OPEB (Continued)

The District recognized OPEB expense of \$22,106 for the year ended December 31, 2018. At December 31, 2018, the District reported deferred outflows of resources and deferred inflows of resources related to OPEB from the following sources:

	Deferred Outflows of Resources	Deferred Inflows of Resources
Differences between expected and actual experience	\$ -	\$ 22,470
Changes of assumptions	38,508	445
Net difference between projected and actual earnings on OPEB plan investments	-	13,281
Changes in proportion and differences between employer contributions and proportionate share of contributions	-	13,110
Employer contributions subsequent to the measurement date	7,113	-
Total	\$ 45,621	\$ 49,306

Deferred outflows and inflows related to differences between projected and actual earnings on plan investments are netted and amortized over a closed five-year period. Deferred outflows and inflows related to experience gains/losses, the impact of changes in actuarial assumptions, changes in the employer's proportionate share of net OPEB liability, and differences between employer contributions and the proportionate share of contributions are amortized over the average remaining service life of the active and inactive System members at the beginning of the fiscal year.

The \$7,113 reported as deferred outflows of resources related to OPEB resulting from the District's contributions subsequent to the measurement date will be recognized as a reduction of the net pension liability in the year ending December 31, 2019. Other amounts reported as deferred outflows of resources related to pensions will be recognized in OPEB expense as follows:

Year ended December 31:

	2019	\$	(1,807)
	2020		(1,807)
	2021		(1,807)
	2022		773
	2023		(4,163)
	Thereafter		(1,987)
Total		\$	(10,798)

Estill County Water District #1
Notes to Financial Statements
December 31, 2018

Note 8 –OPEB Plan (Continued)

Investment Policy

Kentucky Revised Statute 61.650 grants the responsibility for the investment of plan assets to the Kentucky Retirement System Board. The Board has established an Investment Committee which is specifically charged with oversight and investment of plan assets. The Investment Committee recognizes their duty to invest the funds in accordance with the “Prudent Person Rule” (set forth in Kentucky Revised Statute 61.650) and manage those funds consistent with the long-term nature of the systems. The Investment Committee has adopted a Statement of Investment Policy that contains guidelines and restrictions for deposits and investments. By statute, all investments are to be registered and held in the name of Kentucky Retirement Systems. The Statement of Investment Policy contains the specific guidelines for the investment of Pension and Insurance assets. The target allocation and best estimates of arithmetic real rates of return for each major asset class adopted by the Kentucky Retirement System Board for the Insurance Plan are the same as those adopted for the CERS Pension Plan (See Note 7).

Net OPEB Liability

The components of the net OPEB liability of the participating employers in the CERS Non-Hazardous System and the District’s proportionate share at June 30, 2018 were as follows:

	<u>Total CERS Non- Hazardous System</u>	<u>District's Proportionate Share</u>
Total OPEB liability	\$ 4,189,606,000	\$ 454,991
Plan fiduciary net position	(2,414,126,000)	(262,174)
Employers' Net OPEB Liability	<u>\$ 1,775,480,000</u>	<u>\$ 192,817</u>
 Plan Fiduciary Net Position as a Percentage of the Total OPEB Liability	 57.62%	 57.62%

Estill County Water District #1
Notes to Financial Statements
December 31, 2018

Note 8 –OPEB Plan (Continued)

Actuarial Methods and Assumptions

The following actuarial methods and assumptions were used to determine the actuarially determined contributions effective for the fiscal year ending June 30, 2018:

Valuation Date	June 30, 2016
Experience Study	July 1, 2008 - June 30, 2013
Actuarial Cost Method	Entry Age Normal
Amortization Method	Level percent of pay
Remaining Amortization Period	27 years, closed
Payroll Growth Rate	4.00%
Asset Valuation Method	20% of the difference between the market value of assets and the expected actuarial value of assets is recognized
Inflation	3.25%
Salary Increases	4.00%, average
Investment Rate of Return	7.50%
Healthcare Trend Rates	
Pre - 65	Initial trend starting at 7.50% and gradually decreasing to an ultimate trend rate of 5.00% over a period of 5 years.
Post - 65	Initial trend starting at 5.50% and gradually decreasing to an ultimate trend rate of 5.00% over a period of 2 years.

The mortality table used for active members is RP-2000 Combined Mortality Table projected with Scale BB to 2013 (multiplied by 50% for males and 30% for females). For healthy retired members and beneficiaries, the mortality table used is the RP-2000 Combined Mortality Table projected with Scale BB to 2013 (set back for one year for females). For disabled members, the RP-2000 Combined Disabled Mortality Table projected with Scale BB to 2013 (set back four years for males) is used for the period after disability retirement.

Discount Rate

The discount rate used to measure the total OPEB liability was 5.85 percent. The projection of cash flows used to determine the discount rate assumed that local employers would contribute the actuarially determined contribution rate of projected compensation over the remaining 25 years (closed) amortization period of the unfunded actuarial accrued liability. The discount rate determination used an expected rate of return of 6.25% and a municipal bond rate of 3.62%, as reported in Fidelity Index's "20 – Year Municipal GO AA Index" as of June 30, 2018. However, the cost associated with the implicit employer subsidy was not included in the calculation of the System's actuarial determined contributions, and any cost associated with the implicit subsidy will not be paid out of the System's trusts. Therefore, the municipal bond rate was applied to future expected benefit payments associated with the implicit subsidy.

Sensitivity of the District's Proportionate Share of the Net OPEB Liability to Changes in the Discount Rate

The following presents the District's proportionate share of the net OPEB liability calculated using the discount rate of 5.85 percent, as well as what the District's proportionate share of the net OPEB liability would be if it were calculated using a discount rate that is 1-percentage-point lower (4.85 percent) or 1-percentage-point higher (6.85 percent) than the current rate:

Estill County Water District #1
Notes to Financial Statements
December 31, 2018

Note 8 – OPEB Plan (Continued)

	1% Decrease (4.85%)	Current Discount Rate (5.85%)	1% Increase (6.85%)
District's proportionate share of net OPEB liability	\$ 250,439	\$ 192,817	\$ 143,734

Sensitivity of the District's Proportionate Share of the Net OPEB Liability to Changes in the Healthcare Cost Trend Rates

The following presents the District's proportionate share of the net OPEB liability calculated using the healthcare cost trend rate of 7.00 percent decreasing to 4.05%, as well as what the District's proportionate share of the net OPEB liability would be if it were calculated using a healthcare cost trend rate that is 1-percentage-point lower (6.00 percent decreasing to 3.05%) or 1-percentage-point higher (8.00 percent decreasing to 5.05%) than the current rate:

	1% Decrease	Current Healthcare Cost Trend Rate	1% Increase
District's proportionate share of net OPEB liability	\$ 143,554	\$ 192,817	\$ 250,884

Note 9 – Risk Management

The District is exposed to various risks of loss related to limited torts; theft of, damage to and destruction of assets; errors and omissions and natural disasters for which the District carries commercial insurance. There have been no significant reductions in coverage for the year and settlements have not exceeded coverage in the past three years.

Note 10 – Prior Period Adjustments

Management of the District, while preparing the December 31, 2018 financial statements, noted that certain account balances at December 31, 2017 were incorrect. Cash balances were overstated by \$33,056, accounts receivable were overstated by \$12,341, and fixed assets were overstated by \$26,170.

The District failed to adopt *GASB Statement No. 68, Accounting and Financial Reporting for Pensions*, which was effective for fiscal years beginning after June 15, 2014, and resulted in a prior period adjustment at December 31, 2017 of \$573,167, as reported in Note 7.

During the current year the District adopted *GASB Statement No. 75, Accounting and Financial Reporting for Postemployment Benefits Other than Pensions*, which resulted in a prior period adjustment of \$190,013, as reported in Note 8. The total decrease in net assets at December 31, 2017 as a result of these prior period adjustments is \$834,747.

Note 11 - Subsequent Events

Date of Management Evaluation

Management of the District has evaluated subsequent events through July 10, 2019, the date on which the financial statements were available to be issued.

Estill County Water District #1
Schedule of the District's Proportionate Share of the Net Pension Liability
County Employees Retirement System (CERS) Pension Plan
Last Ten Fiscal Years*

	<u>2018</u>	<u>2017</u>	<u>2016</u>	<u>2015</u>	<u>2014</u>
District's proportion of the net pension liability (asset)	0.010860%	0.011711%	0.01224%	0.01287%	0.01303%
District's proportionate share of the net pension liability (asset)	\$ 661,407	\$ 685,247	\$ 602,741	\$ 553,387	\$ 422,885
District's covered-employee payroll	\$ 267,162	\$ 269,622	\$ 293,158	\$ 300,451	\$ 298,094
District's proportionate share of the net pension liability (asset) as a percentage of its covered-employee payroll	247.57%	254.15%	205.60%	184.19%	141.86%
Plan fiduciary net position as a percentage of the total pension liability	53.54%	53.32%	55.50%	59.97%	66.80%

Source: Kentucky Retirement Systems

Notes: There were no changes in benefit terms, size or composition of the population covered by the benefit terms since the prior year. See the notes to the financial statements for a description of changes in actuarial assumptions from the prior year.

This schedule is presented to illustrate the requirement to show information for ten years. However, until a full ten year trend is compiled, the District will present information for those years for which information is available.

* The amounts presented for each year were determined (measured) as of the fiscal year-end that occurred within the calendar year.

Estill County Water District #1
Schedule of the District's Proportionate Share of the Net OPEB Liability
County Employees Retirement System (CERS) OPEB Plan
Last Ten Fiscal Years*

	<u>2018</u>	<u>2017</u>
District's proportion of the net OPEB liability (asset)	0.010860%	0.01171%
District's proportionate share of the total OPEB liability (asset)	\$ 454,991	\$ 494,372
District's proportionate share of the plan fiduciary net position	<u>(262,174)</u>	<u>(259,021)</u>
District's proportionate share of the net OPEB liability (asset)	\$ 192,817	\$ 235,351
District's covered-employee payroll	\$ 267,162	\$ 269,622
District's proportionate share of the net OPEB liability (asset) as a percentage of its covered-employee payroll	72.17%	87.29%
Plan fiduciary net position as a percentage of the total OPEB liability	57.62%	52.39%

Source: Kentucky Retirement Systems

Notes: There were no changes in benefit terms, size or composition of the population covered by the benefit terms since the prior year. See the notes to the financial statements for a description of changes in actuarial assumptions from the prior year.

This schedule is presented to illustrate the requirement to show information for ten years. However, until a full ten year trend is compiled, the District will present information for those years for which information is available.

* The amounts presented for each year were determined (measured) as of the fiscal year-end that occurred within the calendar year.

Estill County Water District #1
Schedule of the District's Pension Contributions
County Employees Retirement System (CERS) Pension Plan
Last Ten Fiscal Years*

	<u>2018</u>	<u>2017</u>	<u>2016</u>	<u>2015</u>	<u>2014</u>
Contractually required contribution	\$ 41,038	\$ 38,339	\$ 38,746	\$ 37,807	\$ 39,459
Contributions in relation to the contractually required contribution	<u>(41,038)</u>	<u>(38,339)</u>	<u>(38,746)</u>	<u>(37,807)</u>	<u>(39,459)</u>
Contribution deficiency (excess)	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
District's covered-employee payroll	\$ 267,162	\$ 269,622	\$ 293,158	\$ 300,451	\$ 298,094
Contributions as a percentage of covered-employee payroll	15.36%	14.22%	13.22%	12.58%	13.24%

Source: Kentucky Retirement Systems

Notes: There were no changes in benefit terms, size or composition of the population covered by the benefit terms since the prior year. See the notes to the financial statements for a description of changes in actuarial assumptions from the prior year.

Contractually required employer contributions exclude the portion of contributions paid to CERS but allocated to the insurance fund of the CERS. The above contributions include those contributions allocated directly to the CERS pension fund.

This schedule is presented to illustrate the requirement to show information for ten years. However, until a full ten year trend is compiled, the District will present information for those years for which information is available.

* The amounts presented for each year were determined (measured) as of the fiscal year-end that occurred within the calendar year.

Estill County Water District #1
 Schedule of the District's OPEB Contributions
 County Employees Retirement System (CERS) OPEB Plan
 Last Ten Fiscal Years*

	<u>2018</u>	<u>2017</u>
Contractually required contribution	\$ 13,314	\$ 12,712
Contributions in relation to the contractually required contribution	<u>(13,314)</u>	<u>(12,712)</u>
Contribution deficiency (excess)	<u>\$ -</u>	<u>\$ -</u>
District's covered-employee payroll	\$ 267,162	\$ 269,622
Contributions as a percentage of covered-employee payroll	4.98%	4.71%

Source: Kentucky Retirement Systems

Notes: There were no changes in benefit terms, size or composition of the population covered by the benefit terms since the prior year. See the notes to the financial statements for a description of changes in actuarial assumptions from the prior year.

Contractually required employer contributions exclude the portion of contributions paid to CERS but allocated to the pension fund of the CERS. The above contributions include those contributions allocated directly to the CERS insurance fund.

This schedule is presented to illustrate the requirement to show information for ten years. However, until a full ten year trend is compiled, the District will present information for those years for which information is available.

* The amounts presented for each year were determined (measured) as of the fiscal year-end that occurred within the calendar year.



Independent Auditors' Report on Internal Control Over Financial Reporting
and on Compliance and Other Matters Based on an Audit of Financial Statements
Performed in Accordance with *Government Auditing Standards*

To the Commissioners
Estill County Water District #1
Irvine, Kentucky

We have audited, in accordance with auditing standards generally accepted in the United States of America and the standards applicable to the financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the financial statements of the business-type activities of Estill County Water District #1, as of and for the year ended December 31, 2018, and the related notes to the financial statements, which collectively comprise Estill County Water District #1's basic financial statements, and have issued our report thereon dated July 10, 2019.

Internal Control Over Financial Reporting

In planning and performing our audit of the financial statements, we considered Estill County Water District #1's internal control over financial reporting (internal control) to determine the audit procedures that are appropriate in the circumstances for the purpose of expressing our opinion on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the District's internal control. Accordingly, we do not express an opinion on the effectiveness of the District's internal control.

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

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies and, therefore, material weaknesses or significant deficiencies may exist that were not identified. However, as described in the accompanying schedule of findings and responses, we identified certain deficiencies in internal control that we consider to be material weaknesses (See items 2018-1, 2018-2, and 2018-3).

Compliance and Other Matters

As part of obtaining reasonable assurance about whether Estill County Water District #1's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the determination of financial statement amounts. However, providing an opinion on compliance with those provisions was not an objective of our audit and, accordingly, we do not express such an opinion. The results of our tests disclosed an instance of noncompliance or other matters that are required to be reported under *Government Auditing Standards* and which is described in the accompanying schedule of findings and responses (See item 2018-4).

Estill County Water District #1's Response to Findings

Estill County Water District #1's response to the findings identified in our audit is described in the accompanying schedule of findings and responses. Estill County Water District #1's response was not subjected to the auditing procedures applied in the audit of the financial statements and, accordingly, we express no opinion on it.

Purpose of this Report

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

Christian Sturgeon, PLLC

Christian Sturgeon, PLLC
London, Kentucky

July 10, 2019

Estill County Water District #1
Schedule of Findings and Responses
December 31, 2018

A. Findings – Financial Statement Audit

2018-1

Criteria:

As discussed in *Standards for Internal Control in the Federal Government* published by the General Accounting Office of the United States, internal control is an integral component of an organization's management that provides reasonable assurance that an objective of reliable financial reporting is being achieved. Organizations should implement procedures to ensure this objective is achieved.

Condition:

During the audit procedures performed, instances of this objective not being completely achieved were noted.

Cause:

The District's limited internal resources prevents the preparation of financial statements and related note disclosures in accordance with generally accepted accounting principles.

Effect:

The District was unable to prepare their financial statements and related note disclosures in accordance with generally accepted accounting principles.

Views of responsible officials and planned corrective actions:

The District feels that it would not be cost beneficial to hire the personnel required to complete these tasks.

2018-2

Criteria:

As discussed in *Standards for Internal Control in the Federal Government* published by the General Accounting Office of the United States, internal control is an integral component of an organization's management that provides reasonable assurance that an objective of reliable financial reporting is being achieved. Organizations should implement procedures to ensure this objective is achieved.

Condition:

During the audit procedures performed, instances of this objective not being completely achieved were noted.

Cause:

The size of the Water District's office staff does not allow proper segregation of duties in the areas of cash receipts, billing, accounts receivable, and payroll.

Effect:

This condition creates a weakness in internal controls which could result in unauthorized transactions being processed.

Views of responsible officials and planned corrective actions:

The District feels that it would not be cost beneficial to hire the personnel required to complete these tasks.

Cumberland County Water District
Schedule of Findings and Responses (Continued)
December 31, 2018

2018-3

Criteria:

As discussed in *Standards for Internal Control in the Federal Government* published by the General Accounting Office of the United States, internal control is an integral component of an organization's management that provides reasonable assurance that an objective of reliable financial reporting is being achieved. Organizations should implement procedures to ensure this objective is achieved.

Condition:

During the audit procedures performed, instances of this objective not being completely achieved were noted.

Cause:

Due to limited internal resources, the District's general ledger accounts are not being reviewed and adjusted to supporting detail on a regular monthly basis to ensure that all transactions are being recorded and account balances are accurate.

Effect:

This condition prevents management and the Board from having accurate, reliable financial information on an ongoing basis in order to make informed decisions about the financial affairs of the District.

Views of responsible officials and planned corrective actions:

The District agrees that improvements need to be made in financial accounting and reporting and will consider hiring someone to review the general ledger balances on a quarterly basis and provide training to the current staff until they can maintain the general ledger accurately on their own.

2018-4

Criteria:

Under the terms of loan agreements with the United States Department of Agriculture, the District is required to maintain accounts with minimum balances, based on outstanding loan balances and advances.

Condition:

At December 31, 2018, the District does not have sufficient amounts on deposit based on the loan agreements.

Cause:

The District did not have available cash to maintain the required balances.

Effect:

The District failed to comply with the loan covenants.

Views of responsible officials and planned corrective actions:

The District plans to get in compliance with the loan covenants as soon as possible and maintain the required balances on deposit.