### SOUTHERN MADISON WATER DISTRICT

### AUDITED FINANCIAL STATEMENTS

December 31, 2018

Prepared by:

White & Associates PSC

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### White & Associates, PSC

CERTIFIED PUBLIC ACCOUNTANTS 1407 Lexington Road Richmond, Kentucky 40475

### INDEPENDENT AUDITOR'S REPORT

To the Board of Commissioners of the Southern Madison Water District Berea, Kentucky

### **Report on the Financial Statements**

We have audited the accompanying financial statements of the business-type activities (enterprise fund) of the Southern Madison Water District (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.

#### Auditor's Responsibility

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

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

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

#### **Opinion**

In our opinion, the financial statements referred to above present fairly, in all material respects, the respective financial position of the business-type activities (enterprise fund) of the District, 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.

#### **Other Matters**

Required Supplementary Information

Accounting principles generally accepted in the United States of America require that the schedules of the District's proportionate share of the net pension and OPEB liability, and schedules of contributions-Pension & OPEB information 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 We have applied certain limited procedures to the remaining 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 requires to be presented to supplement the basic financial statements. Such missing information, although not a part of the financial statements is required by the Governmental Accounting Standards Board, who consider 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 March 29, 2019, on our consideration of the District'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 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 the District's internal control over financial reporting and compliance.

White & Associates, PSC Richmond, Kentucky

White of Associates ISC

March 29, 2019

### Southern Madison Water District

### STATEMENT OF NET POSITION

December 31, 2018

	_	2018
ASSETS:	_	_
Current assets:		
Cash and cash equivalents	\$	520,259
Certificates of deposit		154,820
Accounts receivable		159,682
Inventory		164,775
Prepaid expenses		11,806
Restricted cash and cash equivalents		27,556
Restricted certificates of deposit	_	179,834
Total current assets	_	1,218,732
Noncurrent assets:		
Certificates of deposit		174,573
Capital assets not being depreciated		70,788
Capital assets, net of accumulated depreciation		5,031,023
Other assets		2,020
Total noncurrent assets	_	5,278,404
Deferred outflows of resources:		
Deferred outflows of resources related to pensions		277,951
Deferred outflows of resources related to OPEB		66,809
Total deferred outflows of resources	-	344,760
Total assets and deferred outflows of resources	-	6,841,896
Total assets and deferred outflows of resources	=	0,041,090
LIABILITIES:		
Current liabilities:		
Accounts payable	\$	86,679
Accrued liabilities:		
Payroll taxes		9,156
Other		10,536
Interest		285
Customer deposits		207,390
Total current liabilities	_	314,046
Noncurrent liabilities:		
Net pension liability		806,235
Net OPEB liability		276,905
Total noncurrent liabilities	_	1,083,140
Deferred Inflows of Resources:		
Deferred inflow of resources related to pensions		95,548
Deferred inflow of resources related to OPEB		14,498
Total deferred inflows of resources	-	110,046
Total liabilities and deferred inflows of resources	_	1,507,232
NET POSITION	_	
Net investment in capital assets		5,101,811
Unrestricted		232,853
Total net position	_	5,334,664
Total liabilities, deferred inflows of ressources and net position	\$ -	6,841,896
Total habilities, deferred inflows of ressources and het position	Ψ =	5,571,050

The accompanying notes are an integral part of these financial statements.

### Southern Madison Water District

### STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET POSITION

For the Year Ended December 31, 2018

	_	2018
OPERATING REVENUES:		
Water sales	\$	1,738,305
Other sales:	Ť	,,
Late charges		38,042
Miscellaneous		39,931
Total operating revenues		1,816,278
OPERATING EXPENSES:		
Salaries and wages		341,690
Employee benefits		183,939
Payroll taxes		25,277
Purchased water		941,797
Dues & subscription		5,964
Office expenses		43,187
Accounting & legal		18,635
Repairs & maintenance Truck & equipment expense		66,403 22,270
Insurance		38,355
Utilities		42,508
Depreciation		228,906
Bad debt		11,142
Miscellaneous		9,357
Total operating expenses		1,979,430
OPERATING INCOME (LOSS)	_	(163,152)
NONOPERATING REVENUES (EXPENSES)		
Earnings on investments		7,780
Miscellaneous income		4,650
Interest expense		(2,983)
Total nonoperating revenues (expenses)		9,447
INCOME (LOSS) BEFORE CONTRIBUTIONS		(153,705)
Capital contributions		60,067
Total capital contributions		60,067
CHANGE IN NET POSITION		(93,638)
NET POSITION, BEGINNING		5,645,498
Prior period adjustment		(217,196)
NET POSITION, BEGINNING RESTATED		5,428,302
NET POSITION, ENDING	\$	5,334,664

### Southern Madison Water District

### STATEMENT OF CASH FLOWS

For the Year Ended December 31, 2018

		2018
Cash flows from operating activities:	•	
Cash received from customers and other sources	\$	1,824,267
Cash payments to suppliers for goods and services		(1,222,683)
Cash payments for employees and benefits		(483,935)
Net cash provided (used) by operating activities		117,649
Cash flows from capital and related financing activities:		
Purchases and construction of capital assets		(131,891)
Proceeds from capital contributions		60,067
Other cash flows		4,651
Interest on customer deposits		(2,983)
Net cash provided (used) by capital and related financing activities	•	(70,156)
, , , , , , , , , , , , , , , , , , ,	•	( -,,
Cash flows from investing activities:		(
Purchase of certificate of deposits		(107,423)
Interest income received		7,780
Net cash provided (used) by investing activities	•	(99,643)
Net increase (decrease) in cash and cash equivalents		(52,150)
		(- , ,
Cash and cash equivalents, beginning of year		599,964
Cash and cash equivalents, end of year	\$	547,815
	:	
Reconciliation of total cash and cash equivalents to the statement of net position:		
Unrestricted cash and cash equivalents		520,259
Restricted cash and cash equivalents	Φ.	27,556
Total cash and cash equivalents	\$	547,815
Reconciliation of operating income (loss) to net cash provided (used)		
by operating activities:		
Operating income (loss)	\$	(163,152)
Adjustments to reconcile operating income (loss) to net cash provided		
(used) by operating activities:		
Depreciation/Amortization		228,906
Prior period adjustment		(217,196)
(Increase) decrease in assets:		
Accounts receivable		2,269
Inventory		(33,354)
Prepaid expenses		545
Deferred outflows-pension		(111,375)
Deferred outflows-OPEB		(66,809)
Increase (decrease) in liabilities:		
Deferred inflows-pension		59,694
Deferred inflows-OPEB		14,498
Net pension liability		114,572
Net OPEB liability		276,905
Accounts payable		9,744
Accrued liabilities		(3,318)
Customer deposits	Φ.	5,720
Net cash provided (used) by operating activities	\$	117,649

The accompanying notes are an integral part of these financial statements.

For the Year Ended December 31, 2018

### **NOTE 1 – Reporting entity and significant accounting policies**

### (a) Description of the reporting entity

Southern Madison Water District (District) was formed in 1969 by the Madison County, Kentucky Fiscal Court under Kentucky Revised Statute Chapter 74 for the purpose of providing potable drinking water to residents and businesses in southern Madison County. At December 31, 2018, the District had 5,281 customers. The District is overseen by a three member board of commissioners appointed by the county judge/executive and approved by the Fiscal Court. The District is self-supporting through the charges it makes for water sold. The Fiscal Court makes no financial contribution to the District nor do they have any management function with the District. The District is subject to the Public Service Commission of the Commonwealth of Kentucky as to what rates it may charge for water and other service fees. The District is also subject to safe drinking water regulations issued by the Division of Water. The District purchases treated water, ready for distribution, from the City of Berea, Kentucky.

### (b) Basis of accounting

The District operates and reports as an enterprise utilizing the accrual method of accounting. Revenues are recognized when earned and expenses are recognized when incurred. Operating revenues, such as charges for services, result from exchange transactions associated with the principal activity of the fund. Exchange transactions are those in which each party receives and gives up essentially equal values. Non-operating revenues, such as subsidies, taxes, and investment earnings result from non-exchange transactions or ancillary activities.

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

### (c) Applicable accounting standards

The Governmental Accounting Standards Board (GASB) establishes accounting and financial reporting standards for financial statements of state and local governments. The District has elected to follow all pronouncements of the GASB.

Proprietary funds distinguish operating revenues and expenses from non-operating items. Operating revenues and expenses generally result from providing services and producing and delivering goods in connection with an enterprise fund's principal ongoing operations. The principal operating revenues of the District's enterprise funds are charges to customers for services. Operating expenses for enterprise funds include the cost of services, administrative expenses, and depreciation of capital

For the Year Ended December 31, 2018

assets. All revenues and expenses not meeting this definition are reported as non-operating revenues and expenses.

### (d) Restricted cash, cash equivalents and certificates of deposit

Restricted cash, cash equivalents and certificates of deposit represent amounts held in trust at the bank and are set aside for customer deposits liability.

### (e) Cash and Cash Equivalents

The District's cash and cash equivalents are considered to be cash on hand, demand deposits and short-term investments with original maturities of three months or less from the date of acquisition.

### (f) Certificates of deposit

Certificates of deposit are non-brokered certificates of deposit with financial institutions and are reported in the accompanying statement of net position at amortized cost which approximates fair value.

### (g) Accounts receivable

The District accounts for the billings to customers as accounts receivable. Management considers accounts receivable to be fully collectible/ accordingly no allowance for doubtful accounts is required. If accounts receivable become uncollectible, they will be charged-off when that determination is made.

#### (h) *Inventory*

The District maintains a detailed inventory of supplies needed to maintain the water infrastructure. Inventory is stated at the lower of cost or market. Cost is determined principally by the first-in, first-out method.

### (i) Prepaid expenses

Payments made by the District that benefit periods beyond December 31<sup>st</sup> are classified as prepaid expenses. A current asset is recorded at the time of purchase and an expense is made per the consumption method. The prepayment of expenses is for the numerous insurances required on behalf of the District's employees' and its infrastructure.

For the Year Ended December 31, 2018

### (j) Capital assets

All capital assets are capitalized at cost (or estimated historical cost) and updated for additions and retirements during the year. Donated fixed assets are recorded at their fair market values as of the date received.

All reported capital assets are depreciated with the exception of land and construction in progress. Improvements are depreciated over the remaining useful lives of the related capital assets. Depreciation is computed using the straight-line method over the following useful lives:

<u>Description</u>	<b>Estimated Lives</b>
Transmission main lines	50-75 years
Meters and settings	20-25 years
Hydrants and flush valves	40-50 years
Buildings	40 years
Vehicles	3-5 years
Equipment	7-20 years
Office furniture, fixtures	5-10 years

### (k) Customer deposits

Deposits are required by the District for each customer to receive services. The deposits are maintained by the District and returned when services are no longer used or other qualifying event by the District's policy.

### (l) Net investment in capital assets

Net investment in capital assets is the net amount of the capital assets less the amounts payable for long-term debt financing those capital assets.

### (m) Statement of cash flows

For the purposes of the statement of cash flows, cash and cash equivalents are defined to be cash on hand, demand deposits, and highly liquid investments with a maturity of three months or less from the date of purchase. For financial statement presentation purposes, cash and cash equivalents are shown as cash and cash equivalents and restricted cash and cash equivalents.

### (n) Use of estimates

The process of preparing financial statements in conformity with accounting principles generally accepted in the United States of America requires the District's management to make estimates and assumptions that affect reported amounts of assets, liabilities, revenues, expenses, and disclosure of contingent assets and

For the Year Ended December 31, 2018

liabilities at the date of the financial statements. Actual results could differ from those estimates.

### (o) Capital contributions

Capital contributions include the amounts paid by state and local governments that arise from contributions of capital assets, or from grants or outside contributions of resources restricted to capital acquisition and construction.

### (p) Pensions

For purposes of measuring the net pension liability, deferred outflows of resources and deferred inflows of resources related to pensions, and pension expense, information about the fiduciary net position of the County Employees' Retirement System (CERS) and additions to/deductions from fiduciary net position have been determined on the same basis as they are reported by the pensions. For this purpose, benefit payments (including refunds of employee contributions) are recognized when due and payable in accordance with the benefit terms. Investments, if any, are reported at fair value.

### (q) Postemployment Benefits Other Than OPEBs (OPEB)

For purposes of measuring the liability, deferred outflows of resources and deferred inflows of resources related to OPEB, and OPEB expense, information about the County Retirement System of Kentucky (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. Investments are reported at fair value, except for money market investments and participating interest-earning investment contracts that have a maturity at the time of purchase of one year or less, which are reported at cost.

### (r) Recently Issued Standards

The District has implemented the following new accounting pronouncements:

GASB Statement No. 75-Accounting and Financial Reporting for Postemployment Benefits Other Than Pensions, effective for the District's fiscal year ending December 31, 2018. The adoption of GASB Statement No. 75 resulted in a restatement of net position of \$217,196 as discussed in Note 6.

GASB Statement No. 85-*Omnibus 2017*, effective for the District's fiscal year ending December 31, 2018. The objective of this Statement is to address practice issues that have been identified during implementation and application of certain GASB Statements. This Statement addresses a variety of topics including issues related to

For the Year Ended December 31, 2018

blending component units, goodwill, fair value measurement and application, and postemployment benefits (pensions and other postemployment benefits [OPEB]). The adoption of GASB Statement 85 did not have an impact on the district's financial position or results of operations.

### NOTE 2 - Budgetary data

The District's Board of Commissioners receives and approves an annual budget from management each calendar year fulfilling the requirement to prepare an annual budget as required by all Special Purpose Governmental Entities for the Kentucky Department of Local Government.

### NOTE 3 – Cash, cash equivalents and certificates of deposit

Cash, cash equivalents and certificates of deposit as of December 31, 2018 are classified in the accompanying financial statements as follows:

#### Statement of Net Position:

Current:	Amount
Cash and cash equivalents	\$ 520,259
Certificates of deposit	154,820
Restricted cash and cash equivalents	27,556
Restricted certificates of deposit	179,834
Non-current:	
Certificates of deposit	174,573
Total cash, cash equivalents and certificates of deposit	\$1,057,042

Cash, cash and equivalents and certificates of deposit as of December 31, 2018 consist of the following:

Cash and cash equivalents:	Amount
Cash on hand	\$ 400
Deposits with financial institutions	547,415
Total cash and cash equivalents	547,815
Certificates of deposit	509,227
Total cash, cash equivalents and certificates of deposit	\$1,057,042

#### Custodial risk

Custodial risk for deposits (demand deposits and non-brokered certificates of deposit) is the risk that, in the event of the failure of a depository financial institution, a government will not be able to recover its deposits or will not be able to recover collateral securities

For the Year Ended December 31, 2018

that are in the possession of an outside party. As of December 31, 2018, the District's deposits with financial institutions were collateralized as follows:

		Bank Balance				
Peoples Bank		<u>Demand</u>		<u>Time</u>		<u>Totals</u>
FDIC	\$	250,000	\$	-	\$	250,000
Securities Pledged	-	285,344		<del>-</del>		285,344
Bank Balance	\$	535,344	\$		\$	535,344
Central Bank & Trust		<u>Demand</u>		<u>Time</u>		<u>Totals</u>
FDIC	\$	34,887	\$	174,573	\$	209,460
Securities Pledged						
Bank Balance	\$	34,887	\$	174,573	\$	209,460
<b>Cumberland Valley</b>		<u>Demand</u>		<u>Time</u>		<u>Totals</u>
FDIC	\$	-	\$	250,000	\$	250,000
Uncollateralized		-		84,654		84,654
Bank balance	\$	-	\$	334,654	\$	334,654
				Book		
				Balance		
		Cash and Equivalents		547,815		
		Certificates of deposit		509,227		
		Total carrying amount		1,057,042		

### **NOTE 4 – Capital assets**

Capital asset activity for the calendar year ended December 31, 2018, was as follows:

		Balance at 12/31/2017		Additions	<u>Deletions</u>	Balance at 12/31/2018
Land	\$	70,788	\$	-	\$ -	\$ 70,788
CIP	_	-	_			
Total capital assets not being depreciated	_	70,788	_			70,788
Buildings		355,645		-	-	355,645
Distribution & Storage		9,117,763		68,500	(48,009)	9,138,254

For the Year Ended December 31, 2018

Vehicles & Equipment	551,530	63,391		614,921
	10,024,938	131,891	(48,009)	10,108,820
Accumulated Depreciation	(4,896,900)	(228,906)	48,009	(5,077,797)
Total capital assets, net of accumulated depreciation	5,128,038	(97,015)		5,031,023
	\$5,198,826	\$(97,015)	\$	\$5,101,811

#### **NOTE 5 – Pension Plan**

### **County Employees Retirement System**

Plan description—Substantially all full-time classified employees of the District participate in the County Employees Retirement System ("CERS"). CERS is a cost-sharing, multiple-employer defined benefit pension plan administered by the Kentucky General Assembly, The plan covers substantially all regular full-time members employed in non-hazardous duty positions of each county and school board, and any additional eligible local agencies electing to participate in the plan. The plan provides for retirement, disability and death benefits to plan members.

CERS issues a publicly available financial report included in the Kentucky Retirement Systems Annual Report that includes financial statements and the required supplementary information for CERS. That report may be obtained by writing to Kentucky Retirement Systems, Perimeter Park West, 1260 Louisville Road, Frankfort, Kentucky, 40601, or by calling (502) 564-4646 or at <a href="https://kyret.ky.gov">https://kyret.ky.gov</a>.

*Benefits provided:* Benefits under the plan will vary based on final compensation, years of service and other factors as fully described in the plan documents.

The actuarial valuation was performed on June 30, 2017, to establish the Districts' net pension liability. The District will use this actuarial valuation for the Districts' reporting period ending December 31, 2018.

Contributions: Funding for CERS is provided by members, who contribute 5.00% (6.00% for employees hired after September 1, 2008) of their salary through payroll deductions, and by employers of members. For the period of January 1, 2018 through June 30, 2018, employers were required to contribute 19.18% of the member's salary, and for the period of July 1, 2018 through December 31, 2018, employers were required to contribute 21.28%, respectively. During the year ending December 31, 2018, the District contributed \$588,877 to the CERS pension plan. The contribution requirements of CERS are established and may be amended by the CERS Board of Trustees.

For the Year Ended December 31, 2018

### **CERS-Medical Insurance Plan**

In addition to the CERS pension benefits described above, recipients of CERS retirement benefits may elect to participate in a voluntary hospital/medical group insurance plan for themselves and their dependents. The cost of participation for their dependents is borne by the retiree. The retirement system will pay a portion of the cost of participation for the retiree based on years of service as follows: Less than 4 years -0%, 4-9 years -25%, 10-14 years -50%, 15-19 years -75% and 20 or more years -100%.

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

At December 31, 2018, the District reported a liability for its proportionate share of the net pension liability. The net pension liability was measured as of June 30, 2017. The total pension liability used to calculate the net pension liability was based on an actuarial valuation as of June 30, 2017. An expected total pension liability as of June 30, 2017 was determined using standard roll-forward techniques. The District's proportion of the net pension liability was based on contributions to CERS during the fiscal year ended June 30, 2017. At June 30, 2017, the District's proportion was 0.013774%.

District's proportionate share of CERS net pension liability	ty \$	806,235
	\$	806.235
	\$	806,2

For the year ended December 31, 2018, the District recognized pension expense of \$62,891. At December 31, 2018, the District reported deferred outflows of resources and deferred inflows of resources related to pensions from the following sources:

	_	Deferred Outflows of Resources	 Deferred Inflows of Resources
Differences between expected and actual			
experience	\$	1,000	\$ 20,466
Changes of assumptions		148,772	-
Net difference between projected and actual			
earnings on pension plan investments		65,853	53,881
Changes in proportion and differences			
between District contributions and proportionate			
share of contributions		-	21,201

For the Year Ended December 31, 2018

District contributions subsequent to the		
measurement date	64,326	
	277,951	95,548

The \$64,326 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.

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. Other amounts reported as deferred outflows of resources and deferred inflows of resources related to pensions are amortized over the average service life of all members. These will be recognized in pension expense as follows:

	Year Ended December 31,
2019	\$ 46,011
2020	56,888
2021	25,531
2022	(10,353)
	\$ 118,077

Actuarial Methods and Assumptions—The total pension liability for CERS was determined by applying procedures to the actuarial valuation as of June 30, 2017. The financial reporting actuarial valuation as of June 30, 2017, used the following actuarial methods and assumptions:

Valuation Date	June 30, 2017
Experience Study	July 1, 2008 – June 30, 2013
Actuarial Cost Method	Entry Age Normal
Amortization Method	Level percentage of payroll, closed
Remaining Amortization Period	27 years
Asset Valuation Method	5-year smoothed market
Inflation	2.30%
Payroll Growth	2.00%
Salary Increase	11.55 to 3.30%, including 3.05% inflation
Investment Rate of Return	6.25%, net of pension plan investment
	expense, including inflation

The following represents assumptions and changes of assumptions from the prior valuation to the valuation performed as of June 30, 2017:

For the Year Ended December 31, 2018

- The assumed investment rate of return decreased to 6.25%.
- The assumed rate of inflation decreased to 2.30%.
- Payroll growth assumption decreased to 2.00%.
- 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 1 year for females). For disabled members, the RP-2000 Combined Disabled Mortality Table projected with Scale BB to 2013 (set back 4 years for males) is used for the period after disability retirement.
- The assumed rates of Retirement, Withdrawal and Disability were updated to more accurately reflect experience.

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 1 year for females). For disabled members, the RP-2000 Combined Mortality Table projected with Scale BB to 2013 (set back 4 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.

The long-term expected return on plan assets is reviewed as part of the regular experience studies prepared every five years for CERS. The most recent analysis, performed for the period covering fiscal years 2008 through 2013 is outlined in a report dated April 30, 2014. Several factors are considered in evaluating the long-term rate of return assumption including long-term historical data, estimates inherent in current market data, and a log-normal distribution analysis in which best-estimate ranges of expected future real rates of return (expected return, net of investment expense and inflation) were developed by the investment consultant for each major asset class. These ranges were combined to produce the long-term expected rate of return by weighting the expected future real rates of return by the target asset allocation percentage and then adding expected inflation.

The target asset allocation and best estimates of arithmetic real rates of return for each major asset class, as provided by CERS's investment consultant, are summarized in the following table:

C		Long-Term Expected
Asset Class	Target Allocation	Real Rate of Return
Combined Equity	53.0%	5.40%
Combined Fixed Income	12.0%	1.50%
Real Return (Diversified		
Inflation Strategies)	8.0%	3.50%

For the Year Ended December 31, 2018

Real Estate	5.0%	4.50%
Absolute Return (Diversified		
Hedge Funds)	10.0%	4.25%
Private Equity	10.0%	8.50%
Cash Equivalent	2.0%	-0.25%
-	<u>100.0%</u>	

Discount rate: The discount rate used to measure the total pension liability was 6.25%. The projection of cash flows used to determine the discount rate assumed that contributions from plan members and employers will be made at statutory contribution rates. Projected inflows from investment earnings were calculated using the long-term assumed investment return of 6.25%. The long-term assumed investment rate of return was applied to all periods of projected benefit payments to determine the total pension liability.

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

	1% Decrease	Current Discount Rate	1% Increase
CERS	5.25%	6.25%	7.25%
District's proportionate share of net pension liability	\$ 1,016,837	806,235	\$ 630,068

*Pension plan fiduciary net position:* Detailed information about the pension plan's fiduciary net position is available in the separately issued CERS financial report which is publically available at <a href="https://kyret.ky.gov">https://kyret.ky.gov</a>.

Payables to the pension plan: At December 31, 2018, there are no payables to CERS.

### NOTE 6 – Accounting Standards GASB Statement No. 75

Government Accounting Standards Board (GASB) Statement No. 75 replaces the requirements of Statements No. 45, Accounting and Financial Reporting by Employers for Postemployments Benefits Other Than OPEB's, as amended, and No. 57, OPEB Measurements by Agent Employers and Agent Multiple-Employer Plans, for OPEB.

Reporting under GASB 75 is effective for fiscal years commencing after June 15, 2017.

For the Year Ended December 31, 2018

#### **NOTE 7 – CERS – General Information about the OPEB Plans**

#### CERS- GENERAL INFORMATION ABOUT THE OPEB PLANS

### Other Pension Benefit Programs-Employees' Health Plan

Recipients of CERS retirement benefits may elect to participate in a voluntary hospital/medical group insurance plan for themselves and their dependents. The cost of participation for their dependents is borne by the retiree. The retirement system will pay a portion of the cost of participation for the retiree based on years of service as follows: Less than 4 years -0%, 4-9 years -25%, 10-14 years -50%, 15-19 years -75% and 20 or more years -100%.

Contributions requirements for medical benefits are a portion of the actuarially determined rates of covered payroll, as disclosed above.

The unfunded medical benefit obligation of the CERS, based upon the entry age normal cost method, as of June 30, 2017 was as follows:

Total medical benefit obligation	\$ 3,288,303
Net position available for benefits at actuarial value	 (2,160,553)
Unfunded medical benefit obligation	\$ 1,127,750

The actuarial valuation was performed on June 30, 2018 to establish the Districts' net pension liability. The District will use this actuarial valuation for the Districts' reporting period ending December 31, 2018.

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

At December 31, 2018, the District reported a liability of \$276,905 for its proportionate share of the collective net OPEB liability that reflected a reduction for state OPEB support provided to the District. The collective net OPEB liability was measured as of June 30, 2017, and the total OPEB liability used to calculate 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 employers, actuarially determined. At June 30, 2017, the District's proportion was .013774 percent.

The amount recognized by the District as its proportionate share of the OPEB liability, the related State support, and the total portion of the net OPEB liability that was associated with the District were as follows:

For the Year Ended December 31, 2018

District's proportionate share of net OPEB liability	\$ 276,905	
Commonwealth's proportionate share of the net OPEB		
liability associated with the District	-	
	\$ 276 905	

For the year ended December 31, 2018, the District recognized OPEB expense of \$7,398. At December 31, 2018, the District reported deferred outflows of resources and deferred inflows of resources related to OPEBs from the following sources:

	-	Deferred Outflows of Resources	Deferred Inflows of Resources
Differences between expected and actual			
experience	\$	-	769
Changes of assumptions		60,253	-
Net difference between projected and actual			
earnings on pension plan investments		-	13,086
Changes in proportion and differences			
between District contributions and proportionate			
share of contributions		-	643
District contributions subsequent to the			
measurement date	-	6,556	
	\$_	66,809 \$	14,498

The \$6,556 (includes 3,384 Implicit Subsidy) 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 collective net OPEB liability for the year ended December 31, 2019. Other amounts reported as deferred outflows of resources and deferred inflows of resources related to OPEB will be recognized in the District's OPEB expense as follows:

	<u>-</u>	Year Ended June 30,
2019	\$	7,872
2020		7,872
2021		7,872
2022		7,872

For the Year Ended December 31, 2018

2023	11,144
Thereafter	 3,123
	\$ 45,755

Implicit Employer Subsidy- The fully-insured premiums KRS pays for the Kentucky Employees' Health Plan are blended rates based on the combined experience of active and retired members. Because the average cost of providing health care benefits to retirees under age 65 is higher than the average cost of providing health care benefits to active employees, there is an implicit employer subsidy for the non-Medicare eligible retirees. GASB 75 requires that the liability associated with this implicit subsidy be included in the calculation of the Total OPEB Liability.

### Changes of Benefit Terms-None

Healthcare Trend Rates (Post 65)

Changes of Assumptions-the Board of Trustees adopted updated actuarial assumptions. Specifically, the Total OPEB Liability as of June 30, 2017 is determined using a 2.30% price inflation assumption and an assumed rate of return of 6.25%.

Actuarial Methods and Assumptions—The total OPEB liability for CERS was determined by applying procedures to the actuarial valuation as of June 30, 2017. The financial reporting actuarial valuation used the following actuarial methods and assumptions:

Actuarial Cost Method	Entry Age Normal
Amortization Method	Level percent of pay
Amortization Period	28 years, Closed
Asset Valuation Method	20% of difference in market and expected
	market value
Price Inflation	2.30%
Salary Increase	4.00%, average
Investment Return	6.25%
Payroll Growth	4.0%
Mortality	RP-2000 Combined Mortality Table,
•	projected to 2013 With Scale BB (set back
	1 year females)
Healthcare Trend Rates (Pre-65)	Initial trend starting at 7.50% and gradually
	decreasing to an ultimate trend rate of 5.00%
	over period of 5 years.

Initial trend starting at 5.50% and gradually decreasing to an ultimate trend rate of 5.00%

over period of 2 years.

For the Year Ended December 31, 2018

Discount rate: The discount rate used to measure the total OPEB liability was 5.84%. The rate is based on the expected rate of return on OPEB plan investments of 6.25% and a municipal bond rate of 3.56%, as reported in Fidelity Index's "20-Year Municipal GO AA Index" as of June 30, 2017. Future contributions from plan members and employers will be made with the Board's current funding policy, which includes the requirement that each participating employer in the System contribute the actuarially determined contribution rate, which is determined using a closed funding period (26 years as of June 30, 2017) and actuarial assumptions adopted by the Board. The following table shows the District's share of the collective net liability:

		1% Decrease	Current Discount Rate	1% Increase		
CERS		4.84%	5.84%	6.84%		
District's proportionate share						
of net OPEB liability	\$	352,346	\$ 276,905	\$ 214,126		

Sensitivity of the District's proportionate share of net OPEB liability to changes in the discount rate: The following presents the District's proportionate share of the net pension liability calculated using the discount rate of 5.84%, as well as what the District's proportionate share of the net pension liability would be if it were calculated using a discount rate that is 1-percentage-point lower (4.84%) or 1-percentage-point higher (6.84%) than the current rate:

	1% Decrease	Current Trend Rate	1% Increase
District's proportionate share			
of net OPEB liability	\$ 212,400	\$ 276,905	\$ 360,757

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

#### **NOTE 8 - Cafeteria plan**

Effective October 1, 1995, the District adopted a cafeteria plan in accordance with Section 125 of the U.S. Internal Revenue Code. The plan allows eligible employees to reduce their taxable compensation by allocating an amount from each pay period to pay health insurance premiums. Total employer contributions to the plan in 2018 were \$54,430. The District pays for the cost of a single person plan and any additional coverage is paid by the employee through contributions to the plan.

For the Year Ended December 31, 2018

### NOTE 9 - Risk management

The District is exposed to various risks of loss related to illegal acts, torts, theft/damage/destruction of assets, errors and omissions, injuries to employees, and natural disasters. To obtain insurance for workers' compensation, errors and omission, and general liability coverage, the District purchased commercial insurance coverage.

### **NOTE 10 – Prior period adjustment**

The District implemented GASB Statement No. 75, Accounting and Financial Reporting for Postemployment Benefit Plans Other than Pension Plans which then required a prior period adjustment for the beginning Net OPEB Liability. The adjustment had no effect on current year revenues or expenditures. Net position as of January 1, 2018 has been restated as follows:

NET POSITION, BEGINNING	\$ 5,645,498
Prior period adjustment (Net OPEB Liability)	 (217,196)
NET POSITION, RESTATED	\$ 5,428,302

### **NOTE 11 – Subsequent events**

The District has evaluated subsequent events through March 29, 2019, the date the financial statements were available to be issued.

#### SOUTHERN MADISON WATER DISTRICT

### **REQUIRED SUPPLEMENTARY INFORMATION -**

### SCHEDULE OF THE DISTRICT'S PROPORTIONATE SHARE OF THE NET PENSION LIABILITY

For the Year Ended December 31, 2018

COUNTY EMPLOYEE'S RETIREMENT SYSTEM:	•	vear easurement Date) 2018 (2017)	Reporting Fiscal Year (Measurement Date) 2017 (2016)		rement (Measurement te) Date) 17 2016		Reporting Fiscal Year (Measurement Date) 2015 (2014)	
Districts' proportion of the net pension liability		0.01377%		0.01405%		0.01428%		0.01618%
	Φ.		•		Φ.		•	
District's proportionate share of the net pension liability	\$	806,235	\$	691,663	\$	613,826	\$	594,000
State's proportionate share of the net pension liability associated with the District						<u>-</u>		<u>-</u>
Total	\$	806,235	\$	691,663	\$	613,826	\$	594,000
District's covered-employee payroll	\$	331,688	\$	339,395	\$	350,444	\$	346,960
District's proportionate share of the net pension liability as a percentage of its covered-employee payroll		243.07%		203.79%		168.97%		171.20%
Plan fiduciary net position as a percentage of the total pension liability		53.30%		59.00%		59.97%		66.80%

**Note:** Schedule is intended to show information for the last 10 fiscal years. Additional years will be displayed as they become available.

### SOUTHERN MADISON WATER DISTRICT

#### REQUIRED SUPPLEMENTARY INFORMATION - SCHEDULE OF CONTRIBUTIONS-PENSION

For the Year Ended December 31, 2018

		2018		2017	_	2016		2015
COUNTY EMPLOYEE'S RETIREMENT SYSTEM:								
Contractually required contribution	\$	67,498	\$	61,892	\$	58,243	\$	60,810
Contributions in relation to the contractually required contribution		67,498	_	61,892		58,243	_	60,810
Contribution deficiency (excess)	_	-	· =	-	· <b>-</b>	-	_	
District's covered-employee payroll	\$	346,820	\$	331,688	\$	339,395	\$	350,444
District's proportionate share of the required contribution as a percentage of it's covered-employee payroll	ons	19.46%		18.66%		17.16%		17.35%

**Note:** Schedule is intended to show information for the last 10 fiscal years. Additional years will be displayed as they become available.

### SOUTHERN MADISON WATER DISTRICT NOTES TO REQUIRED SUPPLEMENTARY INFORMATION

For the year ended December 31, 2018

### (1) CHANGES OF ASSUMPTIONS

### **CERS**

The following changes were made by the Board of Trustees and reflected in the valuation performed as of June 30, 2017:

- The assumed investment rate of return decreased to 6.25%.
- The assumed rate of inflation decreased to 2.30%.
- Payroll growth assumption decreased to 2.00%.
- 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 1 year for females). For disabled members, the RP-2000 Combined Disabled Mortality Table projected with Scale BB to 2013 (set back 4 years for males) is used for the period after disability retirement.
- The assumed rates of Retirement, Withdrawal and Disability were updated to more accurately reflect experience.

### (2) METHOD AND ASSUMPTIONS USED IN CALCULATIONS OF ACTUARIALLY DETERMINED CONTRIBUTIONS

#### **CERS**

The Board of Trustees uses this actuarial valuation to certify the employer contribution rates for CERS for the fiscal year beginning July 1, 2018 and ending June 30, 2019. The amortization period of the unfunded liability has been reset as of July 1, 2013 to a closed 30-year period. The following actuarial methods and assumptions were used to determine contribution rates reported in the most recent year of that schedule:

Valuation Date June 30, 2017

Experience Study July 1, 2008 – June 30, 2013

Actuarial Cost Method Entry Age Normal

Amortization Method Level percentage of payroll, closed

Remaining Amortization Period 27 years

Asset Valuation Method 5-year smoothed market

Inflation 2.30% Payroll Growth 2.00%

Salary Increase 11.55 to 3.30%, including 3.05% inflation

Investment Rate of Return 6.25%, net of pension plan investment expense, including

inflation

### (3) CHANGES OF BENEFITS

There were no changes of benefit terms for KTRS or CERS.

#### SOUTHERN MADISON WATER DISTRICT

#### REQUIRED SUPPLEMENTARY INFORMATION

## SCHEDULE OF THE DISTRICT'S PROPORTIONATE SHARE OF THE NET OPEB LIABILITY -HEALTH INSURANCE PLAN COUNTY EMPLOYEE RETIREMENT SYSTEM

Year Ended December 31, 2018

	year Measurement Date) 2018 (2017)
HEALTH INSURANCE PLAN  District's proportion of the collective net OPEB liability (asset)	0.01377%
	0.0.0,0
District's proportionate share of the collective net OPEB liability (asset)	\$ 276,905
State's proportionate share of the collective net OPEB liability (asset) associated with the District	 <u>-</u>
Total	\$ 276,905
District's covered-employee payroll	\$ 331,688
District's proportionate share of the collective net OPEB liability (asset) as a percentage of its covered-employee payroll	83.48%
Plan fiduciary net position as a percentage of the total OPEB liability	13.00%

**Note:** Schedule is intended to show information for the last 10 fiscal years. Additional years will be displayed as they become available. Amounts presented for each fiscal is determined as of June 30.

#### SOUTHERN MADISON WATER DISTRICT

### REQUIRED SUPPLEMENTARY INFORMATION - SCHEDULE OF CONTRIBUTIONS - HEALTH INSURANCE PLAN COUNTY EMPLOYEE RETIREMENT SYSTEM

Year Ended December 31, 2018

	 2018
HEALTH INSURANCE PLAN Contractually required contribution	\$ 6,556
Contributions in relation to the contractually	 6,556
Contribution deficiency (excess)	 -
District's covered-employee payroll	\$ 346,820
District's contributions as a percentage of it's covered-employee payroll	1.89%

**Note:** Schedule is intended to show information for the last 10 fiscal years. Additional years will be displayed as they become available. Amounts presented for each fiscal is determined as of June 30.

### SOUTHERN MADISON WATER DISTRICT NOTES TO REQUIRED SUPPLEMENTARY INFORMATION

For the year ended December 31, 2018

#### **CERS**

Other Pension Benefit Programs-Employees' Health Plan

(1) CHANGES OF BENEFIT TERMS

None.

### (2) METHOD AND ASSUMPTIONS USED IN CALCULATIONS OF ACTUARIALLY DETERMINED CONTRIBUTIONS

Recipients of CERS retirement benefits may elect to participate in a voluntary hospital/medical group insurance plan for themselves and their dependents. The cost of participation for their dependents is borne by the retiree. The retirement system will pay a portion of the cost of participation for the retiree based on years of service as follows: Less than 4 years -0%, 4-9 years -25%, 10-14 years -50%, 15-19 years -75% and 20 or more years -100%.

Contributions requirements for medical benefits are a portion of the actuarially determined rates of covered payroll, as disclosed above.

Actuarial Cost Method Entry Age Normal
Amortization Method Level percent of pay
Amortization Period 28 years, Closed

Asset Valuation Method 20% of difference in market and expected market value

Price Inflation 3.25%

Salary Increase 4.00%, average

Investment Return 7.50% Payroll Growth 4.0%

Mortality RP-2000 Combined Mortality Table, projected to 2013

With Scale BB (set back 1 year females)

Healthcare Trend Rates (Pre-65) Initial trend starting at 7.50% and gradually decreasing

To an ultimate trend rate of 5.00% over period of 5 years.

Healthcare Trend Rates (Post 65) Initial trend starting at 5.50% and gradually decreasing

To an ultimate trend rate of 5.00% over period of 2 years.

### White & Associates, PSC

CERTIFIED PUBLIC ACCOUNTANTS 1407 Lexington Road Richmond, Kentucky 40475

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

To the Board of Commissioners of the Southern Madison Water District Berea, Kentucky

We have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the financial statements of the business-type activities (enterprise fund) of Southern Madison Water District (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, and have issued our report thereon dated March 29, 2019.

### **Internal Control Over Financial Reporting**

In planning and performing our audit of the financial statements, we considered the District'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. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

### **Compliance and Other Matters**

As part of obtaining reasonable assurance about whether the District'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 no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

We noted certain matters that we reported to management of the Southern Madison Water District in a separate letter dated March 29, 2019.

### **Purpose of this Report**

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

### White & Associates, PSC

White & Associates, PSC Richmond, Kentucky March 29, 2019

### SOUTHERN MADISON WATER DISTRICT SCHEDULE OF FINDINGS

Year Ended December 31, 2018

### SECTION I – SUMMARY OF AUDITORS' RESULTS

What type of report was issued for the financial statements?

Unmodified

Were there significant deficiencies in internal control disclosed? None reported If so, was any significant deficiencies material (GAGAS)? N/A

Was any material noncompliance reported (GAGAS)?

### SECTION II – FINANCIAL STATEMENT FINDINGS

There were no findings.

# SOUTHERN MADISON WATER DISTRCT SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS

Year Ended December 31, 2018

There were no findings from the prior year.