

NORTH MARSHALL WATER DISTRICT

**FINANCIAL STATEMENTS
AND SUPPLEMENTARY INFORMATION**

DECEMBER 31, 2018 AND 2017

**NORTH MARSHALL WATER DISTRICT
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INTRODUCTORY SECTION

**NORTH MARSHALL WATER DISTRICT
DIRECTORY**

December 31, 2018

BOARD MEMBERS

Kendra Capps, Chairman
Kenneth Shadowen
Billy Driskill
Joe Draffen
James Leonard

MANAGEMENT TEAM

Bobby Gifford, Superintendent
Kimberly Smith, Bookkeeper

INDEPENDENT CERTIFIED PUBLIC ACCOUNTANTS

Alexander Thompson Arnold PLLC
Jackson, Tennessee

FINANCIAL SECTION



Independent Auditor's Report

Board of Commissioners
North Marshall Water District
Benton, Kentucky

Report on the Financial Statements

We have audited the accompanying financial statements of the North Marshall Water District (the District), as of and for the years ended December 31, 2018 and 2017, and the related notes to the financial statements, which collectively comprise the District's 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 audits. We conducted our audits 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 District'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 District, as of December 31, 2018 and 2017, and the respective changes in financial position and cash flows thereof for the years then ended in accordance with accounting principles generally accepted in the United States of America.

Other Matters**Required Supplementary Information**

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

Other Information

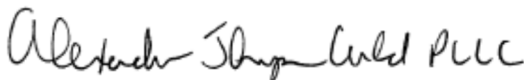
Our audit was conducted for the purpose of forming an opinion on the financial statements that collectively comprise the District's basic financial statements. The introductory section and supplementary and other information section are presented for purposes of additional analysis and are not a required part of the basic financial statements.

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

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

Other Reporting Required by Government Auditing Standards

In accordance with *Government Auditing Standards*, we have also issued our report dated May 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 solely 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 effectiveness of 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.



Jackson, Tennessee
May 29, 2019

MANAGEMENT'S DISCUSSION AND ANALYSIS

As management of the North Marshall Water District (the District), we offer readers of the District's financial statements this narrative overview and analysis of the financial activities of the District for the fiscal years ended December 31, 2018 and 2017. All amounts, unless otherwise indicated, are expressed in actual dollars.

FINANCIAL HIGHLIGHTS

Management believes the District's financial condition is strong. The District is well within its more stringent financial policies and guidelines set by the Board and management. The following are key financial highlights.

- Total assets and deferred outflows at year-end were \$10.13 million and exceeded liabilities in the amount of \$4.69 million (i.e. net position).
- Total assets decreased by \$149 thousand, mainly due to depreciation expense.
- Operating revenues were \$1.68 million, an increase from year 2017 in the amount of \$77 thousand or 4.80%.
- Operating expenses were \$1.85 million, an increase from year 2017 in the amount of \$62 thousand or 3.48%.
- The operating loss for the year was \$174 thousand as compared to \$189 thousand operating income in 2017.
- Ratios of operating income (loss) to total operating revenue were -.104 and -.066 for 2018, and 2017, respectively.

OVERVIEW OF THE FINANCIAL STATEMENTS AND SUPPLEMENTARY INFORMATION

Management's Discussion and Analysis (MD&A) serves as an introduction to, and should be read in conjunction with, the financial statements and supplementary information. The MD&A represents management's examination and analysis of the District's financial condition and performance. Summary financial statement data, key financial and operational indicators used in the District's strategic plan, budget, bond resolutions and other management tools were used for this analysis. The Financial Statements and Supplementary Information are made up of four sections: 1) the introductory section, 2) the financial section, 3) the supplementary and other information section, 4) and the internal control and compliance section. The introductory section includes the District's directory. The financial section includes the MD&A, the independent auditor's report, and the financial statements with accompanying notes. The supplementary and other information section includes selected financial and operational information. The internal control and compliance section includes the report on internal control and compliance. These sections make up the financial report presented here.

REQUIRED FINANCIAL STATEMENTS

A Proprietary Fund is used to account for the operations of the District, which is financed and operated in a manner similar to private business enterprises where the intent is that the costs of providing services to the general public on a continuing basis be financed or recovered primarily through user charges.

The financial statements report information about the District, using accounting methods similar to those used by private sector companies. These statements offer short- and long-term financial information about its activities.

The *Statement of Net Position* includes all of the District's assets, liabilities, and deferred inflows/outflows of resources, with the difference reported as net position and provides information about the nature and amounts of investments in resources (assets) and the obligations to the District's creditors (liabilities). It also provides the basis for computing rate of return, evaluating the capital structure of the District, and assessing the liquidity and financial flexibility of the District.

The *Statement of Revenues, Expenses, and Changes in Net Position* presents the results of the business activities over the course of the fiscal year and information as to how the net position changed during the year. All changes in net position are reported as soon as the underlying event giving rise to the change occurs, regardless of the timing of the related cash flows. This statement measures the success of the District's operations and can be used to determine whether the District has successfully recovered all of its costs. This statement also measures the District's profitability and credit worthiness.

The *Statement of Cash Flows* presents changes in cash and cash equivalents, resulting from operational, financing, and investing activities. This statement presents cash receipt and cash disbursement information, without consideration of the earnings event, when an obligation arises.

The *Notes to the Financial Statements* provide required disclosures and other information that are essential to a full understanding of material data provided in the statements. The notes present information about the District's accounting policies, significant account balances and activities, material risks, obligations, commitments, contingencies, and subsequent events, if any.

FINANCIAL ANALYSIS

One of the most important questions asked about the District's finances is "Is the District, as a whole, better off or worse off as a result of the year's activities?" The Statement of Net Position and the Statement of Revenues, Expenses, and Changes in Net Position report information about the District's activities in a way that will help answer this question. These two statements report the net position of the District, and the changes in the net position. Net position is one way to measure the financial health or financial position of the District. Over time, increases or decreases in the District's net position is an indicator of whether its financial health is improving or deteriorating. However, you will need to also consider other non-financial factors such as changes in economic conditions, customer growth, and legislative mandates. The District's total net position decreased by \$254,254 for the fiscal year ended December 31, 2018. The District's total net position decreased by \$349,170 for the fiscal year ended December 31, 2017. The analysis below focuses on the District's net position (Table 1A & 1B) and changes in net position (Table 2A & 2B) during the year.

Table 1A
CONDENSED STATEMENT OF NET POSITION

| | December 31, 2018 | December 31, 2017 | Increase (Decrease) | |
|----------------------------------|---------------------|---------------------|---------------------|---------|
| | | | \$ | % |
| Current assets | \$ 1,688,845 | \$ 1,528,887 | \$ 159,958 | 10.46% |
| Restricted noncurrent assets | 57,557 | 62,214 | (4,657) | -7.49% |
| Capital assets | 8,061,387 | 8,365,378 | (303,991) | -3.63% |
| Total assets | <u>9,807,789</u> | <u>9,956,479</u> | <u>(148,690)</u> | -1.49% |
| Deferred outflows of resources | <u>326,686</u> | <u>427,211</u> | <u>(100,525)</u> | -23.53% |
| Long-term liabilities | 5,215,936 | 5,259,038 | (43,102) | -0.82% |
| Other liabilities | 131,415 | 129,951 | 1,464 | 1.13% |
| Total liabilities | <u>5,347,351</u> | <u>5,388,989</u> | <u>(41,638)</u> | -0.77% |
| Deferred inflows of resources | <u>93,880</u> | <u>47,203</u> | <u>46,677</u> | 98.89% |
| Net investment in capital assets | 4,269,887 | 4,515,378 | (245,491) | -5.44% |
| Unrestricted | 423,357 | 432,120 | (8,763) | -2.03% |
| Total net position | <u>\$ 4,693,244</u> | <u>\$ 4,947,498</u> | <u>\$ (254,254)</u> | -5.14% |

Table 1B
CONDENSED STATEMENTS OF NET POSITION

| | December 31, 2017 | December 31, 2016 | Increase (Decrease) | |
|----------------------------------|---------------------|---------------------|---------------------|---------|
| | | | \$ | % |
| Current and other assets | \$ 1,528,887 | \$ 1,274,299 | \$ 254,588 | 19.98% |
| Restricted noncurrent assets | 62,214 | 53,417 | 8,797 | 16.47% |
| Capital assets | 8,365,378 | 8,533,304 | (167,926) | -1.97% |
| Total assets | <u>9,956,479</u> | <u>9,861,020</u> | <u>95,459</u> | 0.97% |
| Deferred outflows of resources | <u>427,211</u> | <u>208,603</u> | <u>218,608</u> | 104.80% |
| Long-term liabilities | 5,259,038 | 4,686,502 | 572,536 | 12.22% |
| Other liabilities | 129,951 | 86,453 | 43,498 | 50.31% |
| Total liabilities | <u>5,388,989</u> | <u>4,772,955</u> | <u>616,034</u> | 12.91% |
| Deferred inflows of resources | <u>47,203</u> | <u>-</u> | <u>47,203</u> | 100.00% |
| Net investment in capital assets | 4,515,378 | 4,683,304 | (167,926) | -3.59% |
| Unrestricted | 432,120 | 613,364 | (181,244) | -29.55% |
| Total net position | <u>\$ 4,947,498</u> | <u>\$ 5,296,668</u> | <u>\$ (349,170)</u> | -6.59% |

The decrease in capital assets in 2018 and 2017 was due to current year depreciation. Total liabilities decreased during the current year due to payments on long-term debt.

Changes in the District's net position can be determined by reviewing the following condensed Statement of Revenues, Expense, and Changes in Net Position for the year.

Table 2A
CONDENSED STATEMENT OF REVENUES, EXPENSES, AND CHANGES IN NET POSITION

| | December 31, 2018 | December 31, 2017 | Increase (Decrease) | |
|--|---------------------|---------------------|---------------------|----------|
| | | | \$ | % |
| Operating revenues | \$ 1,676,795 | \$ 1,600,069 | \$ 76,726 | 4.80% |
| Non-operating revenues | 6,103 | 1,391 | 4,712 | 338.75% |
| Total revenues | <u>1,682,898</u> | <u>1,601,460</u> | <u>81,438</u> | 5.09% |
| Costs of sales and services | 193,453 | 173,384 | 20,069 | 11.57% |
| Customer accounts expense | 46,356 | 42,109 | 4,247 | 10.09% |
| Administrative and general expenses | 875,501 | 796,815 | 78,686 | 9.88% |
| Maintenance expense | 327,999 | 383,500 | (55,501) | -14.47% |
| Provision for depreciation | 407,876 | 393,191 | 14,685 | 3.73% |
| Non-operating expenses | 85,967 | 86,625 | (658) | -0.76% |
| Total expenses | <u>1,937,152</u> | <u>1,875,624</u> | <u>61,528</u> | 3.28% |
| Capital contributions | - | 224,118 | (224,118) | -100.00% |
| Change in net position | <u>(254,254)</u> | <u>(50,046)</u> | <u>(204,208)</u> | 408.04% |
| Beginning net position | 4,947,498 | 5,296,668 | (349,170) | -6.59% |
| Restatement - GASB Statement No. 75 implementation | - | (299,124) | 299,124 | -100.00% |
| Net position - beginning - restated | <u>4,947,498</u> | <u>4,997,544</u> | <u>(50,046)</u> | -1.00% |
| Ending net position | <u>\$ 4,693,244</u> | <u>\$ 4,947,498</u> | <u>\$ (254,254)</u> | -5.14% |

Table 2B
CONDENSED STATEMENT OF REVENUES, EXPENSES, AND CHANGES IN NET POSITION

| | December 31, 2017 | December 31, 2016 | Increase (Decrease) | |
|--|---------------------|---------------------|---------------------|----------|
| | | | \$ | % |
| Operating revenues | \$ 1,600,069 | \$ 1,629,570 | \$ (29,501) | -1.81% |
| Non-operating revenues | 1,391 | 1,241 | 150 | 12.09% |
| Total revenues | <u>1,601,460</u> | <u>1,630,811</u> | <u>(29,351)</u> | -1.80% |
| Costs of sales and services | 173,384 | 186,007 | (12,623) | -6.79% |
| Customer accounts expense | 42,109 | 35,822 | 6,287 | 17.55% |
| Administrative and general expenses | 796,815 | 685,363 | 111,452 | 16.26% |
| Maintenance expense | 383,500 | 325,135 | 58,365 | 17.95% |
| Provision for depreciation | 393,191 | 332,592 | 60,599 | 18.22% |
| Non-operating expenses | 86,625 | 15,901 | 70,724 | 444.78% |
| Total expenses | <u>1,875,624</u> | <u>1,580,820</u> | <u>294,804</u> | 18.65% |
| Capital contributions | <u>224,118</u> | <u>1,003,844</u> | <u>(779,726)</u> | -77.67% |
| Change in net position | <u>(50,046)</u> | <u>1,053,835</u> | <u>(1,103,881)</u> | -104.75% |
| Beginning net position | 5,296,668 | 4,242,833 | 1,053,835 | 24.84% |
| Restatement - GASB Statement No. 75 implementation | (299,124) | - | (299,124) | -100.00% |
| Net position - beginning - restated | <u>4,997,544</u> | <u>4,242,833</u> | <u>754,711</u> | 17.79% |
| Ending net position | <u>\$ 4,947,498</u> | <u>\$ 5,296,668</u> | <u>\$ (349,170)</u> | -6.59% |

Operating revenues showed a 4.80% increase in 2018 to 2017 and a 1.81% decrease in 2017 to 2016, respectively.

CAPITAL ASSETS AND DEBT ADMINISTRATION

Capital Assets

At the end of fiscal year 2018 the system had \$8.06 million (net of accumulated depreciation) invested in a broad range of utility capital assets. This investment includes land, distribution systems and their related equipment, and various types of equipment. Based on the uses of the aforementioned assets, they are classified for financial purposes as land, utility plant in service, and construction in progress.

The following tables summarize the District's capital assets, net of accumulated depreciation, and changes therein, for the years ended December 31, 2018 and 2017. These changes are presented in detail in Note 3E to the financial statements.

Table 3A

CAPITAL ASSETS, NET OF ACCUMULATED DEPRECIATION

| | December 31, 2018 | December 31, 2017 | Increase (Decrease) | |
|--------------------------|---------------------|---------------------|---------------------|--------|
| | | | \$ | % |
| Land | \$ 143,164 | \$ 143,164 | \$ - | 0.00% |
| Utility plant in service | 15,149,894 | 15,059,124 | 90,770 | 0.60% |
| Accumulated depreciation | (7,231,671) | (6,836,910) | (394,761) | 5.77% |
| Total capital assets | <u>\$ 8,061,387</u> | <u>\$ 8,365,378</u> | <u>\$ (303,991)</u> | -3.63% |

Table 3B

CAPITAL ASSETS, NET OF ACCUMULATED DEPRECIATION

| | December 31, 2017 | December 31, 2016 | Increase (Decrease) | |
|--------------------------|---------------------|---------------------|---------------------|----------|
| | | | \$ | % |
| Land | \$ 143,164 | \$ 143,164 | \$ - | 0.00% |
| Utility plant in service | 15,059,124 | 10,342,173 | 4,716,951 | 45.61% |
| Construction in progress | - | 4,491,686 | (4,491,686) | -100.00% |
| Accumulated depreciation | (6,836,910) | (6,443,719) | (393,191) | 6.10% |
| Total capital assets | <u>\$ 8,365,378</u> | <u>\$ 8,533,304</u> | <u>\$ (167,926)</u> | -1.97% |

Debt Administration

The District has outstanding bonds and notes payable of \$3.75 and \$3.79 million as of December 31, 2018 and 2017, respectively. Principal payments are due in the upcoming fiscal year in the amount of \$60,000 with interest payments totaling \$84,634 also due. Details relating to the outstanding debt can be found in Note 3F. The District also has plans to issue new debt and refund the outstanding debt in the upcoming year, however no plans have been finalized.

ECONOMIC FACTORS AND NEXT YEAR'S BUDGET AND RATES

The District will continue to function under the current operations. Management will do everything possible to keep the customer costs as low as possible and continue to maintain the District's financial position. The District has no current plans to expand or increase costs to its customers.

CONTACTING THE AUTHORITY'S FINANCIAL MANAGEMENT

This financial report is designed to provide a general overview of the District's finances for all those with an interest in the District's finances and to demonstrate the District's accountability for the money it receives. Questions concerning any information provided in this report or requests for any additional information should be directed to the commissioners at the office located at 96 Carroll Road, Benton, Kentucky 42025, or by telephone at (270) 527-3208.

NORTH MARSHALL WATER DISTRICT
STATEMENT OF NET POSITION
December 31, 2018 and 2017

| | 2018 | 2017 |
|---|------------------|------------------|
| ASSETS | | |
| Current assets: | | |
| Cash on hand | \$ 1,000 | \$ 1,000 |
| Cash in bank - unrestricted | 1,340,069 | 1,190,111 |
| Accounts receivable - customer (less allowance of \$67,411 and \$54,462) | 232,651 | 236,855 |
| Inventory | 92,257 | 78,387 |
| Prepaid expenses | 22,868 | 22,534 |
| Total current assets | 1,688,845 | 1,528,887 |
| Noncurrent assets: | | |
| Cash in bank - restricted | 57,557 | 62,214 |
| Total restricted cash accounts | 57,557 | 62,214 |
| Capital assets: | | |
| Land | 143,164 | 143,164 |
| Utility plant in service | 15,149,894 | 15,059,124 |
| Less: Provision for depreciation | (7,231,671) | (6,836,910) |
| Total capital assets | 8,061,387 | 8,365,378 |
| Total noncurrent assets | 8,118,944 | 8,427,592 |
| Total assets | 9,807,789 | 9,956,479 |
| Deferred outflows of resources: | | |
| Pension related | 245,401 | 332,919 |
| OPEB related | 81,285 | 94,292 |
| Total deferred outflows of resources | 326,686 | 427,211 |

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

NORTH MARSHALL WATER DISTRICT
STATEMENT OF NET POSITION
December 31, 2018 and 2017

| | 2018 | 2017 |
|--|---------------------|---------------------|
| LIABILITIES | | |
| Current liabilities (payable from current assets): | | |
| Accounts payable | 2,415 | 2,439 |
| Other accrued liabilities | 16,559 | 16,169 |
| Current portion of bonds and notes payable | 60,000 | 58,500 |
| Total current liabilities (payable from current assets) | 78,974 | 77,108 |
| Current liabilities (payable from restricted assets): | | |
| Customer deposits | 52,441 | 52,843 |
| Total current liabilities | 131,415 | 129,951 |
| Noncurrent liabilities: | | |
| Accrued vacation | 5,214 | 5,214 |
| Bonds payable | 3,731,500 | 3,791,500 |
| Net pension liability | 1,145,343 | 1,088,481 |
| Net OPEB liability | 333,879 | 373,843 |
| Total noncurrent liabilities | 5,215,936 | 5,259,038 |
| Total liabilities | 5,347,351 | 5,388,989 |
| Deferred inflows of resources: | | |
| Pension related | 30,499 | 27,630 |
| OPEB related | 63,381 | 19,573 |
| Total deferred inflows of resources | 93,880 | 47,203 |
| NET POSITION | | |
| Net investment in capital assets | 4,269,887 | 4,515,378 |
| Unrestricted | 423,357 | 432,120 |
| Total net position | \$ 4,693,244 | \$ 4,947,498 |

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

NORTH MARSHALL WATER DISTRICT
STATEMENT OF REVENUES, EXPENSES, AND CHANGES IN NET POSITION
For the Year Ended December 31, 2018 and 2017

| | 2018 | 2017 |
|---|--------------|--------------|
| Operating revenues: | | |
| Charges for sales and services (net of bad debt expense of \$0) | 1,610,813 | 1,521,288 |
| Other operating revenue | 65,982 | 78,781 |
| Total operating revenues | 1,676,795 | 1,600,069 |
| Operating expenses: | | |
| Costs of sales and service | 193,453 | 173,384 |
| Maintenance | 327,999 | 383,500 |
| Customer accounts | 46,356 | 42,109 |
| Administrative and general expenses | 875,501 | 796,815 |
| Provision for depreciation | 407,876 | 393,191 |
| Total operating expenses | 1,851,185 | 1,788,999 |
| Operating income (loss) | (174,390) | (188,930) |
| Nonoperating revenues (expenses): | | |
| Interest income | 6,103 | 1,391 |
| Interest expense | (85,967) | (86,625) |
| Total nonoperating revenues (expenses) | (79,864) | (85,234) |
| Income (loss) before contributed capital | (254,254) | (274,164) |
| Capital contributions | - | 224,118 |
| Change in net position | (254,254) | (50,046) |
| Net position - beginning | 4,947,498 | 5,296,668 |
| Restatement - GASB Statement No. 75 implementation | - | (299,124) |
| Net position - beginning - restated | 4,947,498 | 4,997,544 |
| Net position - ending | \$ 4,693,244 | \$ 4,947,498 |

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

NORTH MARSHALL WATER DISTRICT
STATEMENT OF CASH FLOWS
For the Year Ended December 31, 2018 and 2017

| | 2018 | 2017 |
|--|--------------|--------------|
| Cash flows from operating activities: | | |
| Cash received from consumers | \$ 1,680,999 | \$ 1,585,318 |
| Cash paid to suppliers of goods and services | (816,681) | (803,814) |
| Cash paid to employees for services | (476,366) | (443,075) |
| Change in customer deposits | (402) | (748) |
| Net cash provided by (used in) operating activities | 387,550 | 337,681 |
| Cash flows from investing activities: | | |
| Interest received from investments | 6,103 | 1,391 |
| Net cash provided by (used in) investing activities | 6,103 | 1,391 |
| Cash flows from capital and related financing activities: | | |
| Payment on long-term debt | (58,500) | - |
| Construction and acquisition of plant | (103,885) | (225,265) |
| Contributed capital from grants and consumers | - | 224,118 |
| Interest and other non-operating expenses | (85,967) | (86,625) |
| Net cash provided by (used in) financing activities: | (248,352) | (87,772) |
| | | |
| Increase (decrease) in cash and cash equivalents | 145,301 | 251,390 |
| Cash and cash equivalents - beginning | 1,253,325 | 1,002,025 |
| Cash and cash equivalents - ending | \$ 1,398,626 | \$ 1,253,325 |
| | | |
| Cash and cash equivalents: | | |
| Restricted cash in bank | \$ 57,557 | \$ 62,214 |
| Unrestricted cash on hand | 1,000 | 1,000 |
| Unrestricted cash in bank | 1,340,069 | 1,190,111 |
| Net cash and cash equivalents | \$ 1,398,626 | \$ 1,253,325 |

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

NORTH MARSHALL WATER DISTRICT
STATEMENT OF CASH FLOWS
For the Year Ended December 31, 2018 and 2017

| | 2018 | 2017 |
|---|--------------|--------------|
| Reconciliation of operating income (loss) to net cash provided (used) by operating activities: | | |
| Net operating income (loss) | \$ (174,390) | \$ (188,930) |
| Adjustments to reconcile net income to net cash provided by operating activities: | | |
| Provision for depreciation | 407,876 | 393,191 |
| Net pension deferred inflows/outflows and liability | 147,249 | 160,507 |
| OPEB deferred inflows/outflows and liability | 16,851 | - |
| (Increase) decrease in current assets: | | |
| Accounts receivable | 4,204 | (14,751) |
| Inventory | (13,870) | 5,493 |
| Prepaid expenses | (334) | (2,827) |
| Increase (decrease) in current liabilities: | | |
| Accounts payable | (24) | (13,373) |
| Other current liabilities | 390 | (881) |
| Customer deposits | (402) | (748) |
| Net cash provided by (used in) operating activities | \$ 387,550 | \$ 337,681 |

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

**NORTH MARSHALL WATER DISTRICT
NOTES TO FINANCIAL STATEMENTS
December 31, 2018 and 2017**

NOTE 1 – SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

A. Reporting Entity

The financial statements of the North Marshall Water District have been prepared in conformity with generally accepted accounting principles (GAAP) as applied to the governmental units. The Governmental Accounting Standards Board (GASB) is the accepted standard-setting body for establishing governmental accounting and financial reporting principles. The more significant accounting policies of the District are described below.

The North Marshall Water District's general purpose financial statements include the accounts of all District operations. The criteria for including organizations as component units within the District's reporting entity, as set forth in Section 2100 of GASB's *Codification of Governmental Accounting and Financial Reporting Standards*, include whether:

- The organization is legally separate (can sue and be sued in their own name),
- The District holds the corporate powers of the organization,
- The District appoints a voting majority of the organization's board,
- The District is able to impose its will on the organization,
- The organization has the potential to impose a financial benefit/burden on the District, and
- There is fiscal dependency by the organization on the District.

Based on the aforementioned criteria, the North Marshall Water District has no component units.

B. Measurement Focus, Basis of Accounting, and Financial Statement Presentation

Proprietary fund financial statements include a Statement of Net Position, a Statement of Revenues, Expenses and Changes in Fund Net Position, and a Statement of Cash Flows.

The accounting and financial reporting treatment is determined by the applicable measurement focus and basis of accounting. Measurement focus indicates the type of resources being measured such as current financial or economic resources. The basis of accounting indicates the timing of transactions or events for recognition in the financial statements.

Proprietary funds are accounted for using the "economic resources" measurement focus and the accrual basis of accounting. Accordingly, all assets, deferred outflows of resources, liabilities (whether current or noncurrent), and deferred inflows of resources are included on the Statement of Net Position. The Statement of Revenues, Expenses and Changes in Fund Net Position presents increases (revenues) and decreases (expenses) in total net position. Under the accrual basis of accounting, revenues are recognized in the period in which they are earned while expenses are recognized in the period in which the liability is incurred, regardless of the timing of related cash flows.

Operating revenues in the proprietary funds are those revenues that are generated from the primary operations of the fund. All other revenues are reported as non-operating revenues. Operating expenses are those expenses that generally result from providing services in connection with the Water District's principal ongoing operations.

**NORTH MARSHALL WATER DISTRICT
NOTES TO FINANCIAL STATEMENTS
December 31, 2018 and 2017**

C. Assets, Liabilities, and Net Position

Deposits and Investments

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.

State statutes authorize the District to invest in certificates of deposit, obligations of the U.S. Treasury, agencies and instrumentalities, obligations guaranteed by the U.S. government or its agencies, repurchase agreements and the state's investment pool.

Accounts Receivable

Trade receivables result from unpaid billings for water service to customers and from unpaid billings related to work performed for or materials sold to certain entities. All trade receivables are shown net of an allowance for uncollectible accounts. The allowance for uncollectible customer accounts recorded by the District is based on past history of uncollectible accounts and management's analysis of current accounts.

Inventories and Prepaid Items

All inventories are valued at the lower of average cost or market, using the first-in/first-out (FIFO) method at year end. Certain payments to vendors reflect costs applicable to future accounting periods and are recorded as prepaid items in the financial statements as of year-end.

Restricted Assets

Certain cash accounts and investments are classified as restricted assets on the statement of net position because they are maintained in separate bank accounts and their use is limited by applicable bond covenants. The District elects to use restricted assets before unrestricted assets when the situation arises when either can be used.

Capital Assets

The property, plant, and equipment are stated at original cost including all direct cost of materials and labor during the construction period. All donated material is stated at the current fair market value.

The costs of replacements, normal maintenance, and repairs that do not add to the value of the asset or materially extend assets' lives are not capitalized. Major outlays for capital assets and improvements are capitalized as projects are constructed. Interest incurred during the construction phase of capital assets is included as part of the capitalized value of the assets constructed. Property, plant, and equipment of the District, with the exception of Land and Construction in Process, are depreciated, using the straight line method over the following useful lives:

| | |
|----------------------------|---------------|
| Utility Plant | 20 - 50 years |
| Office and other equipment | 5 - 20 years |
| Vehicles | 5 years |

Accrued Vacation

It is the District's policy to permit employees to accumulate earned but unused vacation. All vacation pay has been accrued and the current year's is reflected as a noncurrent liability and the prior year's is reflected as a noncurrent liability on the financial statements.

NORTH MARSHALL WATER DISTRICT
NOTES TO FINANCIAL STATEMENTS
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Long-term Obligations

Bond premiums and discounts are deferred and amortized over the life of the bonds using the effective interest method. Bonds payable are reported net of the applicable bond premium or discount. The District will continue to report bond cost as an asset and amortize those over the life of the bonds instead of expensing those costs in the current year in accordance with certain provisions included in GASB Statement No. 62 _ Codification of Accounting and Financial Reporting Guidance Contained in Pre November 30, 1989 FASB and AICPA Pronouncements. This option as part of GASB Statement No. 65 is available due to the above mentioned cost being used for rate setting by the District.

Deferred Outflows/Inflows of Resources

In addition to assets, the statement of financial position will sometimes report a separate section for deferred outflows of resources. This separate financial statement element, deferred outflows of resources, represents a consumption of net position that applies to a future period and so will not be recognized as an outflow of resources (expense) until then. The District has several items that qualify for this form of reporting - deferred outflows related to the pension and OPEB plans as of December 31, 2018 and 2017.

In addition to liabilities, the statement of financial position will sometimes report a separate section for deferred inflows of resources. This separate financial statement element, deferred inflows of resources, represents acquisition of net position that applies to a future period and so will not be recognized as an inflow of resources (revenue) until that time. The District has several items that qualify for this form of reporting - deferred inflows related to the pension and OPEB plans as of December 31, 2018.

Net Position Flow Assumption

Sometimes the government will fund outlays for a particular purpose from both restricted (e.g., restricted bond or grant proceeds) and unrestricted resources. In order to calculate the amounts to report as restricted – net position and unrestricted – net position in the financial statements, a flow assumption must be made about the order in which the resources are considered to be applied. It is the District's policy to consider restricted – net position to have been depleted before unrestricted – net position is applied.

Net Position

Equity is classified as net assets and displayed in the following two components:

- Net Investment in capital assets - Consists of capital assets, net of accumulated depreciation and reduced by the outstanding balances of any bonds that are attributable to the acquisition, construction, or improvement of those assets; debt related to unspent proceeds or other restricted cash and investments is excluded from the determination.
- Unrestricted - All other net positions that do not meet the description of the above categories.

Estimates

The preparation of financial statements in conformity with generally accepted accounting principles requires management to make estimates and assumptions that affect reported amounts of assets, liabilities, and disclosure of contingent assets and liabilities at the date of the financial statements,

NORTH MARSHALL WATER DISTRICT
NOTES TO FINANCIAL STATEMENTS
December 31, 2018 and 2017

and the reported amounts of revenues and expenditures during the reporting period. Actual results could differ from those estimates.

Pensions

For the 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 Non-Hazardous (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 are reported at fair value.

Other Post-Employment Benefits (OPEB)

For the purposes of measuring the net OPEB liability, deferred outflows of resources and deferred inflows of resources related to OPEB, and OPEB expense, information about the fiduciary net position of the County Employees Retirement System Non-Hazardous (CERS) and additions to/deductions from fiduciary net position have been determined on the same basis as they are reported by the 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.

Impact of Recently Issued Accounting Pronouncements

In June 2015, the GASB issued Statement No. 74 *Financial Reporting for Postemployment Benefit Plans Other Than Pension Plans*, effective for financial statements for periods beginning after June 15, 2016, and Statement No. 75 *Accounting and Financial Reporting for Postemployment Benefits Other Than Pensions*, effective for financial statements for periods beginning after June 15, 2017. The primary objective of this Statement is to improve accounting and financial reporting by state and local governments for postemployment benefits other than pensions, or OPEB. Statement 75 replaces the requirements of Statement No. 45, *Accounting and Financial Reporting by Employers for Postemployment Benefits Other Than Pensions*, as amended, and establishes standards for recognizing and measuring liabilities, deferred outflows of resources, deferred inflows of resources, and expense/expenditures related to OPEB. For defined benefit plans, this Statement identifies the methods and assumptions that are required to be used to project benefit payments, discount projected benefit payments to their actuarial present value, and attribute that present value to periods of employee service. Note disclosure and required supplementary information requirements about defined benefit OPEB are also addressed. Management has implemented this in the current year.

NOTE 2 – STEWARDSHIP, COMPLIANCE, AND ACCOUNTABILITY

Budgetary Information

The fiscal year 2019 budget was approved unanimously at the October 2018 Board meeting. The budget is not legally adopted but only used as a management tool.

NORTH MARSHALL WATER DISTRICT
NOTES TO FINANCIAL STATEMENTS
December 31, 2018 and 2017

NOTE 3 – DETAILED NOTES

A. Deposits and Investments

Custodial Credit Risk

In the case of deposits, this is the risk that in the event of a bank failure, the District's deposits may not be returned to it. For an investment, this is the risk that, in the event of a failure of the counterpart, the District will not be able to recover the value of its investments or the collateral securities that are in the possession of an outside party.

The District's policies limit deposits and investments to those instruments allowed by applicable state laws and described in Note 1. State statute authorize the District to invest in obligations of the United States and its agencies and instrumentalities; bond or certificates of indebtedness of the Commonwealth of Kentucky and its agencies and municipalities; interest bearing deposit accounts in financial institutions chartered in the Commonwealth of Kentucky insured by an agency of the United States up to the amount thus insured and in larger amounts, provided such financial institutions pledge as security obligations of the United States having such value as may be satisfactory to the District. As of December 31, 2018, all bank deposits were fully covered by federal depository insurance.

B. Receivables

Receivables as of the fiscal year ends were made up of the following:

| | <u>2018</u> | <u>2017</u> |
|--------------------------------------|-------------------|-------------------|
| Billed service for utility customers | \$ 300,062 | \$ 291,317 |
| Less: allowance for doubtful | <u>(67,411)</u> | <u>(54,462)</u> |
| Total | <u>\$ 232,651</u> | <u>\$ 236,855</u> |

C. Restricted Assets

Restricted assets as of the fiscal year ends were made up of the following:

| | <u>2018</u> | <u>2017</u> |
|---------------------------|------------------|------------------|
| Cash in bank - restricted | <u>\$ 57,557</u> | <u>\$ 62,214</u> |

D. Net Position

Net Position represents the difference between assets, deferred outflows of resources, liabilities, and deferred inflows of resources. The restricted net position amounts were as follows:

NORTH MARSHALL WATER DISTRICT
NOTES TO FINANCIAL STATEMENTS
December 31, 2018 and 2017

| | 2018 | 2017 |
|------------------------------------|--------------|--------------|
| Net investment in capital assets | | |
| Net property, plant and equipment | \$ 8,061,387 | \$ 8,365,378 |
| Less: Debt as disclosed in Note 3F | 3,791,500 | 3,850,000 |
| | 4,269,887 | 4,515,378 |
| Unrestricted | 423,357 | 432,120 |
| Total net position | \$ 4,693,244 | \$ 4,947,498 |

E. Capital Assets

Capital asset activity during the year was as follows:

| Description | Balance at December 31, 2017 | Additions | Disposals | Balance at December 31, 2018 |
|--|---------------------------------|--------------|-----------|---------------------------------|
| Capital assets, not being depreciated | | | | |
| Land | \$ 143,164 | \$ - | \$ - | \$ 143,164 |
| Total capital assets not being depreciated | 143,164 | - | - | 143,164 |
| Capital assets, being depreciated | | | | |
| Utility plant in service | 15,059,124 | 103,885 | 13,115 | 15,149,894 |
| Less accumulated depreciation for: | | | | |
| Utility plant in service | 6,836,910 | 407,876 | 13,115 | 7,231,671 |
| Total capital assets, being depreciated, net | 8,222,214 | (303,991) | - | 7,918,223 |
| Total capital assets, net | \$ 8,365,378 | \$ (303,991) | \$ - | \$ 8,061,387 |

NORTH MARSHALL WATER DISTRICT
NOTES TO FINANCIAL STATEMENTS
December 31, 2018 and 2017

| Description | Balance at December 31, 2016 | Additions | Disposals | Balance at December 31, 2017 |
|--|---------------------------------|---------------------|---------------------|---------------------------------|
| Capital assets, not being depreciated | | | | |
| Land | \$ 143,164 | \$ - | \$ - | \$ 143,164 |
| Construction in progress | 4,491,686 | 155,683 | 4,647,369 | - |
| Total capital assets not being depreciated | <u>4,634,850</u> | <u>155,683</u> | <u>4,647,369</u> | <u>143,164</u> |
| Capital assets, being depreciated | | | | |
| Utility plant in service | 10,342,173 | 4,716,951 | - | 15,059,124 |
| Less accumulated depreciation for: | | | | |
| Utility plant in service | 6,443,719 | 393,191 | - | 6,836,910 |
| Total capital assets, being depreciated, net | <u>3,898,454</u> | <u>4,323,760</u> | <u>-</u> | <u>8,222,214</u> |
| Total capital assets, net | <u>\$ 8,533,304</u> | <u>\$ 4,479,443</u> | <u>\$ 4,647,369</u> | <u>\$ 8,365,378</u> |

Depreciation expense amounted to \$407,876 and \$393,191 for the fiscal years ended December 31, 2018 and 2017, respectively.

F. Long-term Debt

At year end, the District's long-term liabilities consisted of the following loan:

(1) In 2014 the District issued a USDA Series Bond in the amount of \$3.85 million. For 2019, \$85 thousand in interest and \$60 thousand in principal will be paid.

The following is a summary of long-term debt transactions for the year ended December 31, 2018 and 2017.

| | Balance 12/31/17 | Issued | Retired | Balance 12/31/18 | Due Within One Year |
|-----------------------------|---------------------|-------------|------------------|---------------------|------------------------|
| 2014 USDA Series Bond | <u>3,850,000</u> | <u>-</u> | <u>58,500</u> | <u>3,791,500</u> | <u>60,000</u> |
| Total long-term debt | <u>3,850,000</u> | <u>-</u> | <u>58,500</u> | <u>3,791,500</u> | <u>60,000</u> |
| Accrued vacation | <u>5,214</u> | <u>-</u> | <u>-</u> | <u>5,214</u> | <u>-</u> |
| Total Long-Term Liabilities | <u>\$ 3,855,214</u> | <u>\$ -</u> | <u>\$ 58,500</u> | <u>\$ 3,796,714</u> | <u>\$ 60,000</u> |

**NORTH MARSHALL WATER DISTRICT
NOTES TO FINANCIAL STATEMENTS
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| | Balance 12/31/16 | Issued | Retired | Balance 12/31/17 | Due Within One Year |
|-----------------------------|---------------------|-------------|-------------|---------------------|------------------------|
| 2014 USDA Series Bond | 3,850,000 | - | - | 3,850,000 | 58,500 |
| Total long-term debt | 3,850,000 | - | - | 3,850,000 | 58,500 |
| Accrued vacation | 5,214 | - | - | 5,214 | - |
| Total Long-Term Liabilities | <u>\$ 3,855,214</u> | <u>\$ -</u> | <u>\$ -</u> | <u>\$ 3,855,214</u> | <u>\$ 58,500</u> |

The scheduled annual requirements for long-term debt at December 31, 2018, including interest of \$5.63 million is as follows:

| Year ended 12/31/2017 | USDA Series 2014 Bond | | |
|--------------------------|------------------------------|---------------------|---------------------|
| | Total Principal | Total Interest | Total |
| 2019 | \$ 60,000 | \$ 84,634 | \$ 144,634 |
| 2020 | 62,000 | 83,261 | 145,261 |
| 2021 | 63,500 | 81,849 | 145,349 |
| 2022 | 65,500 | 80,398 | 145,898 |
| 2023 | 67,500 | 78,902 | 146,402 |
| 2024-2028 | 365,000 | 370,633 | 735,633 |
| 2029-2033 | 418,000 | 326,680 | 744,680 |
| 2034-2038 | 479,000 | 276,277 | 755,277 |
| 2039-2043 | 548,000 | 218,566 | 766,566 |
| 2044-2048 | 628,000 | 152,529 | 780,529 |
| 2049-2053 | 720,500 | 76,788 | 797,288 |
| 2054-2055 | 314,500 | 9,111 | 323,611 |
| | <u>\$ 3,791,500</u> | <u>\$ 1,839,628</u> | <u>\$ 5,631,128</u> |

NOTE 4 – OTHER INFORMATION

A. Risk Management

The District is exposed to various risks of loss related to torts; theft of, damage to, and destruction of assets; errors and omissions; and natural disasters. During the year ended December 31, 2018, the District purchased commercial insurance for all of the above risks. Settled claims have not exceeded this commercial coverage in any of the past three years and there has been no significant reduction in the amount of coverage provided.

**NORTH MARSHALL WATER DISTRICT
NOTES TO FINANCIAL STATEMENTS
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B. Retirement Plan

For the years ended December 31, 2018 and 2017, the District's total covered payroll for all employees were \$525,873 and \$482,536. Covered payroll refers to all compensation paid by the District to active employees covered by the Plan.

County Employees Retirement System Non-Hazardous (CERS)

Plan description – Employees whose positions do not require a degree beyond a high school diploma are covered by the CERS, a cost-sharing multiple-employer defined benefit plan. CERS is administered by the Kentucky Retirement System, an agency of the Commonwealth of Kentucky. Under the provisions of the Kentucky Revised Statute (KRS) Section 61.645, the Board of Trustees of the Kentucky Retirement System administers CERS and has the authority to establish and amend benefit provisions. The Kentucky Retirement System issues a publicly available financial report that includes financial statements and required supplementary information for CERS. That report may be obtained from <http://kyret.ky.gov/>.

Employee membership data related to the Plan as of June 30, 2018 was as follows:

| | |
|------------------|-----------|
| Active members | 14 |
| Inactive members | 22 |
| Total members | <u>36</u> |

Benefits provided – CERS provides retirement, health insurance, death and disability benefits to Plan employees and beneficiaries. Employees are vested in the plan after five years' service. For retirement purposes, employees are grouped into three tiers, based on hire date:

| | | |
|--------|--|---|
| Tier 1 | Participation date Unreduced retirement Reduced retirement | Before September 1, 2008 27 years of service or 65 years old At least 5 years of service and 55 years old At least 25 years of service and any age |
| Tier 2 | Participation date Unreduced retirement Reduced retirement | Before September 1, 2008 – December 31, 2013 At least 5 years of service and 65 years old Or age 57+ and sum of service years plus age equals 87 At least 10 years of service and 60 years old |
| Tier 3 | Participation date Unreduced retirement Reduced retirement | After December 31, 2013 At least 5 years of service and 65 years old Or age 57+ and sum of service years plus age equals 87 Not available |

Cost of living adjustments are provided at the discretion of the General Assembly. Retirement is based on a factor of the number of years' service and hire date multiplied by the average of the highest five years' earnings. Reduced benefits are based on factors of both of these components. Participating employees become eligible to receive the health insurance benefit after at least 180 months of service. Death benefits are provided for both death after retirement and death prior to

NORTH MARSHALL WATER DISTRICT
NOTES TO FINANCIAL STATEMENTS
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retirement. Death benefits after retirement are \$5,000 in lump sum. Five years' service is required for death benefits prior to retirement and the employee must have suffered a duty-related death. The decedent's beneficiary will receive the higher of the normal death benefit and \$10,000 plus 25% of the decedent's monthly final rate of pay and any dependent child will receive 10% of the decedent's monthly final rate of pay up to 40% for all dependent children. Five years' service is required for nonservice related disability benefits.

Net Pension Liability - The District's net pension liability (asset) was measured as of June 30, 2018, and the total pension liability (asset) used to calculate net pension liability (asset) was determined by an actuarial valuation as of that date.

Contributions – Required contributions by the employee are based on the tier:

| | <u>Required Contribution</u> |
|--------|------------------------------|
| Tier 1 | 5% |
| Tier 2 | 5% + 1% for insurance |
| Tier 3 | 5% + 1% for insurance |

Employer contributions rates for the fiscal year were adopted by the Board of KRS based on actuarially recommended rates. The District's contributions to CERS for the year ended December 31, 2018 and 2017 were \$98,172 and \$84,210.

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 \$1,145,343 for its proportionate share of the net pension liability. The net pension liability for the plan was measured as of June 30, 2018, and the total pension liability used to calculate the net pension liability was determined by an actuarial valuation as of that date. The District's proportion of the net pension liability for CERS was based on the actual liability of the employees and former employees relative to the total liability of the System as determined by the actuary. At June 30, 2018 and 2017, the District's proportion was 0.018806% and 0.018596%, respectively.

For the years ended December 31, 2018 and 2017, the District recognized pension expenses of \$223,612 and \$226,095. At December 31, 2018 and 2017, 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 | \$ 37,358 | \$ 16,765 |
| Changes of assumptions | 111,933 | - |
| Net difference between projected and actual earnings on plan investments | - | 13,734 |
| Changes in proportion and differences between District contributions and proportionate share of contributions | 43,896 | - |
| District contributions subsequent to the measurement date | 52,214 | - |
| Total | <u><u>\$ 245,401</u></u> | <u><u>\$ 30,499</u></u> |

**NORTH MARSHALL WATER DISTRICT
NOTES TO FINANCIAL STATEMENTS
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| | <u>Deferred Outflows of Resources</u> | <u>Deferred Inflows of Resources</u> |
|---|---|--|
| Difference between expected and actual experience | \$ 1,350 | \$ 27,630 |
| Changes of assumptions | 200,854 | - |
| Net difference between projected and actual earnings on plan investments | 13,463 | - |
| Changes in proportion and differences between District contributions and proportionate share of contributions | 73,909 | - |
| District contributions subsequent to the measurement date | 43,343 | - |
| Total | <u><u>\$ 332,919</u></u> | <u><u>\$ 27,630</u></u> |

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 and deferred inflows of resources related to pensions will be recognized in pension expense as follows:

| | |
|------------|-----------|
| Year 1 | \$ 92,265 |
| Year 2 | 45,963 |
| Year 3 | (13,295) |
| Year 4 | 37,755 |
| Year 5 | - |
| Thereafter | - |

Actuarial assumptions – The actuarially determined contribution rates effective for fiscal year ending 2018 that are documented in the schedule on the previous pages are calculated as of June 30, 2016. Based on the June 30, 2016 actuarial valuation report (produced by the prior actuary), the actuarial methods and assumptions used to calculate these contribution rates are below:

| | |
|----------------------------|--|
| Actuarial cost method | Entry Age Normal |
| 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 percent |
| Projected salary increases | 4.00 percent, average, including inflation |
| Investment rate of return | 7.50 percent, net of pension plan investment expense, including inflation |
| Mortality | RP-2000 Combined Mortality Table, projected to 2013 with Scale BB (set back 1 year for females) |

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

**NORTH MARSHALL WATER DISTRICT
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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. 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 actuarial assumptions used in the June 30, 2018 valuation were based on the results of an actuarial experience study for the period July 1, 2008 – June 30, 2013.

The long-term expected return on plan assets is reviewed as part of the regular experience studies prepared every five years. 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 capital market assumptions developed by the investment consultant are intended for use over a 10-year horizon and may not be useful in setting the long-term rate of return for funding pension plans which covers a longer timeframe. The assumption is intended to be a long-term assumption and is not expected to change absent a significant change in the asset allocation, a change in the inflation assumption, or a fundamental change in the market that alters expected returns in future years.

| <u>Asset Class</u> | <u>Target Allocation</u> | <u>Long-Term Expected Real Rate of Return</u> |
|--|--------------------------|---|
| Combined equity | 44% | 5.40% |
| Combined fixed income | 19% | 1.50% |
| Real return (diversified inflation strategies) | 10% | 3.50% |
| Real estate | 5% | 4.50% |
| Absolute return (diversified hedge funds) | 10% | 4.25% |
| Private equity | 10% | 8.50% |
| Cash equivalent | <u>2%</u> | -0.25% |
| Total | 100% | |

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 employees 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 investment rate of return was applied to all periods of projected benefit payments to determine the total pension liability.

Sensitivity of CERS proportionate share of net pension liability to changes in the discount rate – The following table presents the net pension liability of the District, calculated using the discount rate selected, 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 or 1 percentage point higher than the current rates.

**NORTH MARSHALL WATER DISTRICT
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| 2018 | | | |
|-------------------------------|-----------------------|---------------------------------|-----------------------|
| | 1% Decrease, 4.85% | Current Discount Rate, 5.85% | 1% Increase, 6.85% |
| District's net OPEB liability | \$ 433,655 | \$ 333,879 | \$ 248,888 |

| 2017 | | | |
|----------------------------------|--------------------|------------------------------|--------------------|
| | <u>1% Decrease</u> | <u>Current Discount Rate</u> | <u>1% Increase</u> |
| District's net pension liability | \$ 850,642 | \$ 373,843 | \$ 1,372,810 |

Pension plan fiduciary net position – Detailed information about the pension plan’s fiduciary net position is available in the separately issued financial report.

C. Other Postemployment Benefit Plan

All full-time employees are eligible to participate in the County Employee’s Retirement System (“System”). The System plan provides for retirement, disability, and death benefits, which benefits are established by State statute. Employer contribution rates are intended to fund the System’s normal cost on a current basis plus an amount equal to the amortization of unfounded past service costs over thirty years using the level percentage. Such contribution rates are determined by the System’s Board of Trustees each biennium. Vesting in a retirement benefit begins immediately upon entry into the System with participants establishing full vesting after the completion of sixty months of service, twelve of which are current service. At a minimum, terminated employees are refunded their contributions with credited interest compounded annually at a rate of 2.5%.

Covered employees are required to contribute five percent (5%) of their salary to the plan. For those employees who began participating with the County Retirement System on or after September 1, 2008, 6% of their salary will be the required contribution, with 5% deposited into the individual’s account and 1% deposited into the County Retirement System Insurance Fund. In addition, the System is required to contribute the remaining amounts necessary to pay benefits when due.

The System’s contribution represented less than 1% of the total contributions required of all participating entities. Ten-year historical trend information showing the System’s progress in accumulating sufficient assets to pay benefits when due is presented in the System’s December 31, 2018 annual financial report.

County Employees Retirement System Non-Hazardous (CERS)

Plan description – Effective August 1, 1988, employees of North Marshall Water District became a part of the County Employee Retirement Systems (CERS). This is a cost-sharing, multiple employer defined benefit plan. CERS is administered by the Kentucky Retirement System, an agency of the Commonwealth of Kentucky. Under the provision of the Kentucky Revised Statute (KRS) Section 61.645, the Board of Trustees of the Kentucky Retirement System administers CERS and has the authority to establish and amend benefit provisions. The Kentucky Retirement System issues a publicly available financial report that includes financial statements and required supplementary information for CERS. That report may be obtained from <http://kyret.ky.gov/>.

**NORTH MARSHALL WATER DISTRICT
NOTES TO FINANCIAL STATEMENTS
December 31, 2018 and 2017**

Benefits provided – CERS provides retirement, health insurance, death and disability benefits to plan employees and beneficiaries. Employees are vested in the plan after five years’ service. For retirement purposes, employees are grouped into three tiers, based on hire date:

Tier 1 participation began before July 1, 2003. Members are eligible for benefits if they are the recipient of a retirement allowance. The percentage of the member premium paid by the retirement system is based on the number of years of service as indication below:

| | |
|-------------------|------|
| Less than 4 years | 0% |
| 4-9 years | 25% |
| 10-14 years | 50% |
| 15-19 years | 75% |
| 20 or more years | 100% |

Tier 2 participation began on or after July 1, 2003, but before September 1, 2008. Members are eligible for benefits if they are the recipient of a retirement allowance with at least 120 months of service at retirement. The retirement system provides a monthly contribution of \$10 for each year of earned service. The monthly contribution is increased by 1.5% each July. As of July 1, 2016, the monthly contribution was \$12.99/year of service.

Tier 3 participation began on or after September 1, 2008. Benefits are identical to Tier 2, except Tier 3 members are required to have at least 1809 months of service in order to be eligible.

Contributions – Required contributions by the employee are based on the tier. Tier 1 members contribute 0% of gross salary. Tier 2 and 3 members both contribute 1% of gross salary.

Employer contributions rates for the fiscal year were adopted by the Board of KRS based on actuarially recommend rates. The Board’s contributions for the year ended December 31, 2018, were \$23,762.

Pension Liabilities, Pension Expense, and Deferred Outflows of Resources and Deferred Inflows of Resources Related to OPEBs – At June 30, 2018, the Board reported a liability of \$333,879 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 the net OPEB was determined by an actuarial valuation as of that date. The Board’s proportion of the net OPEB liability was based on a projection of the Board’s long-term share of contributions to the OPEB plan relative to the projected contributions of all participating entities, actuarially determined. At June 30, 2018, the Board’s proportion was 0.018805%.

For the year ended June 30, 2018, the Board recognized OPEB expense of \$42,744. At December 31, 2018, the Board reported deferred outflows of resources and deferred inflows of resources related to OPEB from the following sources:

**NORTH MARSHALL WATER DISTRICT
NOTES TO FINANCIAL STATEMENTS
December 31, 2018 and 2017**

| | <u>Deferred Outflows of Resources</u> | <u>Deferred Inflows of Resources</u> |
|---|---|--|
| Difference between expected and actual experience | \$ - | \$ 38,909 |
| Changes of assumptions | 66,681 | 771 |
| Net difference between projected and actual earnings on plan investments | - | 22,998 |
| Changes in proportion and differences between District contributions and proportionate share of contributions | 1,658 | 703 |
| District contributions subsequent to the measurement date | 12,946 | - |
| Total | <u>\$ 81,285</u> | <u>\$ 63,381</u> |

Deferred outflows of resources resulting from the Board's contributions subsequent to the measurement date will be recognized as a reduction of the net OPEB liability in the year ended December 31, 2019. Other amounts reported as deferred outflows of resources and deferred inflows of resources will be recognized in OPEB expense as follow:

| | | |
|------------|----|---------|
| 2019 | \$ | 1,188 |
| 2020 | | 1,188 |
| 2021 | | 1,188 |
| 2022 | | 5,655 |
| 2023 | | (3,020) |
| Thereafter | | (1,241) |

Actuarial methods and assumptions – The total OPEB liability in the June 30, 2018 actuarial valuation was determined using the following actuarial assumptions, applied to all periods included in the measurement:

| | |
|--|---|
| Inflation rate | 2.30% |
| Payroll growth rate | 2.00% |
| Salary increases | 3.05% |
| Investment rate of return, net of investment expense and inflation | 6.25% |
| Long-term municipal bond rate | 3.56% |
| Healthcare trend rates | |
| Pre-65 | Initial trend starting at 7.25% at January 1, 2019, and gradually decreasing to an ultimate trend rate of 4.05% over a period of 13 years |
| Post-65 | Initial trend starting at 5.10% at January 1, 2019, and gradually decreasing to an ultimate trend rate of 4.05% over a period of 11 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 RE-2000 Combined Mortality Table projected with

**NORTH MARSHALL WATER DISTRICT
NOTES TO FINANCIAL STATEMENTS
December 31, 2018 and 2017**

Scale BB to 2013 (set back one year for females). For disabled members, the RE-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 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 rate of return for each major asset class are summarized below.

| Asset Class | Target Allocation | Long-Term Expected Real Rate of Return |
|----------------------|-------------------|--|
| US equity | 17.50% | 5.97% |
| Internatioanl equity | 17.50% | 7.85% |
| Global bonds | 4.00% | 2.63% |
| Global credit | 2.00% | 3.63% |
| High yield | 7.00% | 5.75% |
| Emerging market debt | 5.00% | 5.50% |
| Private credit | 10.00% | 8.75% |
| Real estate | 5.00% | 7.63% |
| Absolute return | 10.00% | 5.63% |
| Real return | 10.00% | 6.13% |
| Private equity | 10.00% | 8.25% |
| Cash | 2.00% | 1.88% |
| Total | <u>100%</u> | |

Discount Rate – The projection of cash flows used to determine the discount rate of 5.84% assumed that local employers would contribute the actuarially determined contribution rate of projected compensation over the remaining 26 year (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 3.56%, as reported in Fidelity Index’s “20-Year Municipal GO AA Index” as of June 30, 2018.

The following table presents the Board’s proportionate share of the collective net OPEB liability, calculated using the discount rate of 5.85%, as well as what the Board’s proportionate share of the collective net OPEB liability would be if it were calculated using a discount rate that is 1 percentage point lower or 1 percentage point higher than the current rates.

| | 2018 | | |
|-------------------------------|-----------------------|---------------------------------|-----------------------|
| | 1% Decrease, 4.85% | Current Discount Rate, 5.85% | 1% Increase, 6.85% |
| District's net OPEB liability | 433,655 | 333,879 | 248,888 |

**NORTH MARSHALL WATER DISTRICT
NOTES TO FINANCIAL STATEMENTS
December 31, 2018 and 2017**

Sensitivity of the Board's proportionate share of the collective net OPEB liability to changes in the healthcare cost trend rates – The following presents the Board's proportionate share of the collective net OPEB liability, as well as what the District's proportionate share of the collective net OPEB liability would be if it were calculated using healthcare cost trend rates that were 1 percentage point lower or 1 percentage point higher than the current healthcare cost trend rates.

| | 2018 | | |
|-------------------------------|-------------|---------------------------------------|-------------|
| | 1% Decrease | Current Healthcare Cost Trend Rate | 1% Increase |
| District's net OPEB liability | 248,576 | 333,879 | 434,427 |

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

D. Prior Period Restatement – Implementation of GASB 75

Due to the implementation of GASB Statement No. 75, *Accounting and Financial Reporting for Postemployment Benefits Other Than Pensions*, an amendment of GASB No. 57, beginning net position was restated to reflect the retrospective application. The adjustment resulted in a \$299,124 reduction in beginning net position.

REQUIRED SUPPLEMENTARY INFORMATION SECTION

NORTH MARSHALL WATER DISTRICT
SCHEDULE OF THE PROPORTIONATE SHARE OF THE
NET PENSION LIABILITY
County Employee's Retirement System
Fiscal Years Ending December 31,

| | <u>2014</u> | <u>2015</u> | <u>2016</u> | <u>2017</u> | <u>2018</u> |
|---|-------------------|-------------------|-------------------|---------------------|---------------------|
| District's proportion of the net pension liability (asset) | 0.015% | 0.016% | 0.017% | 0.019% | 0.019% |
| District's proportionate share of the net pension liability (asset) | <u>\$ 488,279</u> | <u>\$ 688,613</u> | <u>\$ 831,288</u> | <u>\$ 1,088,481</u> | <u>\$ 1,145,343</u> |
| District's covered-employee payroll | \$ 387,798 | \$ 405,480 | \$ 458,633 | \$ 482,536 | \$ 525,873 |
| District's proportionate share of the net pension liability (asset) as a percentage of its covered-employee payroll | 125.91% | 169.83% | 181.25% | 225.58% | 217.80% |
| Plan fiduciary net position as a percentage of the total pension liability | 66.80% | 60.00% | 55.50% | 53.30% | 53.54% |

The amounts presented were determined as of June 30 of the current fiscal year.

This is a 10-year schedule. However, the information in this schedule is not required to be presented retroactively. Years will be added to this schedule in the future until 10 years of information is available.

See independent auditor's report.

NORTH MARSHALL WATER DISTRICT
SCHEDULE OF THE DISTRICT'S PENSION CONTRIBUTIONS
County Employee's Retirement System
Fiscal Years Ending December 31,

| | <u>2014</u> | <u>2015</u> | <u>2016</u> | <u>2017</u> | <u>2018</u> |
|--|-------------------|-------------------|-------------------|-------------------|-------------------|
| Contractually required contribution | \$ 65,626 | \$ 65,048 | \$ 76,143 | \$ 84,210 | \$ 98,172 |
| Contributions in relation to the contractually required contribution | <u>(65,206)</u> | <u>(65,048)</u> | <u>(76,143)</u> | <u>(84,210)</u> | <u>(98,172)</u> |
| Contribution deficiency (excess) | <u>\$ 130,832</u> | <u>\$ 130,096</u> | <u>\$ 152,286</u> | <u>\$ 168,420</u> | <u>\$ 196,344</u> |
| District's covered employee payroll | \$ 387,798 | \$ 405,480 | \$ 458,633 | \$ 482,536 | \$ 525,873 |
| Contributions as a percentage of covered-employee payroll | -16.81% | -16.04% | -16.60% | -17.45% | -18.67% |

This is a 10-year schedule. However, the information in this schedule is not required to be presented retroactively. Years will be added to this schedule in the future until 10 years of information is available.

See independent auditor's report.

NORTH MARSHALL WATER DISTRICT
NOTES TO REQUIRED SUPPLEMENTARY INFORMATION - PENSION PLAN
For the Year Ended December 31, 2018

County Employees Retirement System

Changes of benefit terms - None.

Changes of assumptions - The following changes were adopted by the Board of Trustees and reflected in the valuation performed as of June 30, 2018.

Determined by actuarial valuation as of June 30, 2017.

Actuarial Cost Method: Entry Age Normal

Asset Valuation Method: 20% of the difference between the market value of assets and the expected actuarial value of assets is recognized.

Amortization Method: 27 Years, Closed

Investment Return: 7.50%

Inflation: 3.25%

Salary Increases: 4.00%, average

Mortality: RP-2000 Combined Mortality Table projected to 2013 with Scale BB
(set back 1 year for females)

**NORTH MARSHALL WATER DISTRICT
SCHEDULE OF THE DISTRICT'S PROPORTIONATE SHARE OF THE
NET OPEB LIABILITY**

Fiscal Years Ending December 31, 2018

| | 2018 |
|---|-------------|
| Board's proportion of the net OPEB liability (asset) | 0.018806% |
| Board's proportionate share of the net OPEB liability (asset) | \$ 333,879 |
| Board's covered-employee payroll | \$ 525,873 |
| Board's proportionate share of the net OPEB liability (asset) as a percentage of its covered-employee payroll | 63.49% |
| Plan fiduciary net position as a percentage of the total OPEB liability | 69.08% |

The amounts presented were determined as of June 30 of the current fiscal year.

This is a 10-year schedule. However, the information in this schedule is not required to be presented retroactively. Years will be added to this schedule in the future until 10 years of information is available.

See independent auditor's report.

NORTH MARSHALL WATER DISTRICT
SCHEDULE OF THE DISTRICT'S OPEB CONTRIBUTIONS
County Employee's Retirement System
Fiscal Years Ending December 31, 2018

| | 2018 |
|--|-------------------|
| Contractually required contribution | \$ <u>23,762</u> |
| Contributions in relation to the contractually required contribution | <u>(23,762)</u> |
| Contribution deficiency (excess) | <u>\$ -</u> |
| Board's covered employee payroll | <u>\$ 525,873</u> |
| Contributions as a percentage of covered-employee payroll | 4.52% |

This is a 10-year schedule. However, the information in this schedule is not required to be presented retroactively. Years will be added to this schedule in the future until 10 years of information is available.

See independent auditor's report.

NORTH MARSHALL WATER DISTRICT
NOTES TO REQUIRED SUPPLEMENTARY INFORMATION - OPEB PLAN
For the Year Ended December 31, 2018

County Employees OPEB Post-Retirement System

Changes of benefit terms - None.

Changes of assumptions - The following changes were adopted by the Board of Trustees and reflected in the valuation performed as of June 30, 2018.

Determined by actuarial valuation as of June 30, 2016.

| | |
|-------------------------|---|
| Actuarial Cost Method: | Entry Age Normal |
| Asset Valuation Method: | 20% of the difference between the market value of assets and the expected actuarial value of assets is recognized. |
| Amortization Method: | 27 Years, Closed |
| Payroll Growth Rate: | 4.00% |
| Investment Return: | 7.50% |
| Inflation: | 3.25% |
| Salary Increases: | 4.00%, average |
| Mortality: | RP-2000 Combined Mortality Table projected to 2013 with Scale BB (set back 1 year for females) |
| Healthcare Trend Rates: | 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. |

See independent auditor's report.

NORTH MARSHALL WATER DISTRICT
SCHEDULE OF OPERATING INCOME AND EXPENSES
For the Year Ended December 31, 2018 and 2017

| | 2018 | 2017 |
|--------------------------------|--------------|--------------|
| Operating revenues: | | |
| Gross water sales | \$ 1,621,608 | \$ 1,529,484 |
| Less: Bad debt expense | - | - |
| Less: leak adjustments | (10,795) | (8,196) |
| Net water sales | 1,610,813 | 1,521,288 |
| Fees: | | |
| Connect and reconnect fees | 26,078 | 24,118 |
| Other water revenues | 39,904 | 54,663 |
| | 65,982 | 78,781 |
| Total operating revenues | \$ 1,676,795 | \$ 1,600,069 |
| Operating expenses: | | |
| Cost of sales and services | | |
| Purchased power | 152,035 | 133,948 |
| Salaries and wages | 5,489 | 4,593 |
| Treatment chemicals | 28,076 | 20,599 |
| Contractual services | 7,853 | 14,244 |
| | 193,453 | 173,384 |
| Maintenance: | | |
| Salaries and wages | 218,245 | 193,811 |
| Materials and supplies | 85,171 | 77,281 |
| Contractual services | 24,583 | 112,408 |
| | 327,999 | 383,500 |
| Customer accounts expense: | | |
| Meter reading | 18,901 | 17,005 |
| Accounting and collection | 27,455 | 25,104 |
| | 46,356 | 42,109 |

See independent auditor's report.

NORTH MARSHALL WATER DISTRICT
SCHEDULE OF OPERATING INCOME AND EXPENSES
For the Year Ended December 31, 2018 and 2017

| | 2018 | 2017 |
|-------------------------------------|--------------|--------------|
| Administrative and general expenses | | |
| Salaries and wages | 254,826 | 239,431 |
| Employee benefits and payroll taxes | 122,643 | 119,717 |
| Employee pensions | 262,997 | 244,434 |
| Office supplies | 38,362 | 38,949 |
| Office and shop utilities | 3,381 | 3,083 |
| Insurance | 46,169 | 43,008 |
| Advertising | 602 | 169 |
| Professional fees | 39,963 | 35,974 |
| Educational and training | 22,012 | 14,672 |
| Transportation | 38,367 | 22,216 |
| Uniforms | 4,803 | 3,717 |
| Office phones | 16,729 | 16,010 |
| Rental | 4,703 | 3,638 |
| Miscellaneous | 19,944 | 11,797 |
| | 875,501 | 796,815 |
| Provision for depreciation | 407,876 | 393,191 |
| Total operating expense | \$ 1,851,185 | \$ 1,788,999 |

See independent auditor's report.

NORTH MARSHALL WATER DISTRICT
SCHEDULE OF LONG-TERM DEBT
December 31, 2018

| Year Ended | USDA Series 2014 | | Total |
|------------|------------------|--------------|--------------|
| | Principal | Interest | |
| 2019 | 60,000 | 84,634 | 144,634 |
| 2020 | 62,000 | 83,261 | 145,261 |
| 2021 | 63,500 | 81,849 | 145,349 |
| 2022 | 65,500 | 80,398 | 145,898 |
| 2023 | 67,500 | 78,902 | 146,402 |
| 2024 | 69,000 | 77,367 | 146,367 |
| 2025 | 71,000 | 75,792 | 146,792 |
| 2026 | 73,000 | 74,172 | 147,172 |
| 2027 | 75,000 | 72,506 | 147,506 |
| 2028 | 77,000 | 70,796 | 147,796 |
| 2029 | 79,000 | 69,042 | 148,042 |
| 2030 | 81,000 | 67,242 | 148,242 |
| 2031 | 83,500 | 65,391 | 148,891 |
| 2032 | 86,000 | 63,484 | 149,484 |
| 2033 | 88,500 | 61,521 | 150,021 |
| 2034 | 90,500 | 59,507 | 150,007 |
| 2035 | 93,000 | 57,442 | 150,442 |
| 2036 | 96,000 | 55,316 | 151,316 |
| 2037 | 98,500 | 53,128 | 151,628 |
| 2038 | 101,000 | 50,884 | 151,884 |
| 2039 | 104,000 | 48,578 | 152,578 |
| 2040 | 106,500 | 46,210 | 152,710 |
| 2041 | 109,500 | 43,779 | 153,279 |
| 2042 | 112,500 | 41,282 | 153,782 |
| 2043 | 115,500 | 38,717 | 154,217 |
| 2044 | 119,000 | 36,079 | 155,079 |
| 2045 | 122,000 | 33,367 | 155,367 |
| 2046 | 125,500 | 30,584 | 156,084 |
| 2047 | 129,000 | 27,720 | 156,720 |
| 2048 | 132,500 | 24,779 | 157,279 |
| 2049 | 136,500 | 21,752 | 158,252 |
| 2050 | 140,000 | 18,642 | 158,642 |
| 2051 | 144,000 | 15,447 | 159,447 |
| 2052 | 148,000 | 12,162 | 160,162 |
| 2053 | 152,000 | 8,786 | 160,786 |
| 2054 | 156,000 | 5,742 | 161,742 |
| 2055 | 158,500 | 3,368 | 161,868 |
| | \$ 3,791,500 | \$ 1,839,628 | \$ 5,631,128 |

See independent auditor's report.

**NORTH MARSHALL WATER DISTRICT
WATER RATES IN FORCE
December 31, 2018**

Water

\$2.64 per every 1,000 gallons of water plus a base charge

Residential Rate Schedule

| | Base |
|--------------------|---------|
| Residential 5/8" | \$18.94 |
| Residential 1" | \$26.44 |
| Residential 1 1/2" | \$38.95 |
| Residential 2" | \$53.99 |
| Residential 3" | \$89.03 |

Commercial Rate Schedule

| | |
|-------------------|----------|
| Commercial 5/8" | \$18.94 |
| Commercial 1" | \$26.44 |
| Commercial 1 1/2" | \$38.95 |
| Commercial 2" | \$53.99 |
| Commercial 3" | \$89.03 |
| Commercial 4" | \$139.12 |
| Commercial 6" | \$264.30 |
| 4" Two-Meters | \$272.24 |
| Reidland 4" | \$139.12 |

Sewer

\$60.00 minimum bi-monthly charge up to 12,000 gallons of water usage

\$5.00 for every 1,000 gallons over the 12,000 gallon limit

SUPPLEMENTARY AND OTHER INFORMATION SECTION

INTERNAL CONTROL AND COMPLIANCE SECTION



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

Board of Commissioners
North Marshall Water District
Benton, 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 North Marshall Water District (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, and have issued our report thereon dated May 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*.

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.

Alexander Thompson Arnold PLLC

Jackson, Tennessee
May 29, 2019

NORTH MARSHALL WATER DISTRICT
SCHEDULE OF FINDINGS AND QUESTIONED COSTS
For the Fiscal Year Ended December 31, 2018

Financial Statement Findings:

No current year findings reported.

NORTH MARSHALL WATER DISTRICT
SCHEDULE OF PRIOR YEAR FINDINGS AND QUESTIONED COSTS
For the Fiscal Year Ended December 31, 2018

Financial Statement Findings:

No prior year findings reported.