

CITY OF CLEVELAND, OHIO



**DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF CLEVELAND PUBLIC POWER**

**REPORT ON AUDIT OF FINANCIAL STATEMENTS
For the year ended December 31, 2018**

CITY OF CLEVELAND, OHIO

**DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF CLEVELAND PUBLIC POWER**

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INDEPENDENT AUDITORS' REPORT

To the Honorable Frank G. Jackson, Mayor, Members of Council and the Audit Committee
Division of Cleveland Public Power
Department of Public Utilities
City of Cleveland, Ohio:

Report on the Financial Statements

We have audited the accompanying financial statements of the Division of Cleveland Public Power, Department of Public Utilities, City of Cleveland, Ohio (the "Division") as of and for the year ended December 31, 2018 and the related notes to the 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 auditors' judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

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

Opinions

In our opinion, the financial statements referred to previously present fairly, in all material respects, the financial position of the Division of Cleveland Public Power, Department of Public Utilities, City of Cleveland, Ohio as of December 31, 2018, and the 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.

Emphasis of Matter

As described in Note A to the basic financial statements, the financial statements present only the Division and do not purport to, and do not present fairly the financial position of the City of Cleveland as of December 31, 2018, and the respective changes in its financial position and cash flows for the year then ended in accordance with accounting principles generally accepted in the United States of America. Our opinion is not modified with respect to this matter.

Change in Accounting Principle

During the year ended December 31, 2018, the Division adopted Governmental Accounting Standards Board (GASB) Statement No. 75, *Accounting and Financial Reporting for Postemployment Benefit Plans Other than Pensions*. As a result of the implementation of GASB Statement No. 75, the Division restated net position at January 1, 2018 for the change in accounting principle (See Note K). Our opinion is not modified with respect to this matter.

Other Matters

Required Supplementary Information

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

Clark, Schaefer, Hackett & Co.

Cincinnati, Ohio
June 25, 2019

**CITY OF CLEVELAND, OHIO
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**NOTES TO FINANCIAL STATEMENTS
For the Year Ended December 31, 2018**

GENERAL

As management of the City of Cleveland's (the City) Department of Public Utilities, Division of Cleveland Public Power (the Division), we offer readers of the Division's financial statements this narrative overview and analysis of the financial activities of the Division for the year ended December 31, 2018. Please read this information in conjunction with the Division's financial statements and footnotes that begin on page 18.

The Division was created in 1906 and charged with the responsibility for the distribution of electricity and related electric service to customers within its service areas. The Division operates a municipal electric system that is the largest in the State of Ohio and the 39th largest by customers served in the United States according to the American Public Power Association's statistics for 2016. The Division serves an area that is bound by the City limits and presently serves approximately 75,000 customers.

The Division is one of the very few municipal electric companies in the United States that competes with an investor-owned utility, in this case FirstEnergy Corporation's Cleveland Electric Illuminating Company (CEI).

According to the 2017 census estimate, the City's population is approximately 389,000 people. There are approximately 212,000 housing units. The Division has distribution facilities in about 60% of the geographical area of the City, primarily on the east side.

The Division obtains substantially all of its power and energy requirements through agreements with various regional utilities and other power suppliers for power delivered through CEI interconnections. The balance of the Division's power and energy requirements are satisfied with production from the Division's three combustion turbine generating units and various arrangements for the exchange of short-term power and energy through CEI's interconnections. To reduce its reliance on the wholesale market, the Division's long-term base load supply will include a mix of power provided by participation in American Municipal Power (AMP) Inc. hydroelectric projects, the Fremont Energy Center, the Prairie State Energy Campus project and the new Blue Creek Wind project.

COMPARISON OF CURRENT YEAR'S AND PRIOR YEAR'S DATA

FINANCIAL HIGHLIGHTS

- The Division's net position was \$189,575,000 and \$187,695,000 at December 31, 2018 and 2017, respectively. Of these amounts, \$10,300,000 and \$10,531,000 are unrestricted net position at December 31, 2018 and 2017, respectively, which may be used to meet the Division's ongoing obligations to customers and creditors.
- The Division's total net position increased by \$1,880,000 in 2018. The increase is primarily attributed to operating income of \$4,570,000. Operating revenues increased by \$16,960,000, or 8.7%, mostly from increases in revenue from residential and large commercial customers of \$7,433,000 and \$7,169,000, respectively.

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MANAGEMENT'S DISCUSSION AND ANALYSIS (Continued)

FINANCIAL HIGHLIGHTS (Continued)

- The Division's total long-term bonded debt decreased by \$12,895,000 for the year ended December 31, 2018. The decrease is due to scheduled payments to bondholders and to the refunding of outstanding bonds.
- Other non-operating revenue increased by \$2,575,000 or 83.7% primarily due to the Division receiving 100% of the electric deregulation killawatt-hour tax proceeds in 2018.

OVERVIEW OF THE FINANCIAL STATEMENTS

This discussion and analysis is intended to serve as an introduction to the Division's basic financial statements. The accompanying financial statements present financial information for the City's Division of Cleveland Public Power Fund, in which the City accounts for the operations of the Department of Public Utilities, Division of Cleveland Public Power. A fund is a grouping of related accounts that is used to maintain control over resources that have been segregated for specific activities or objectives. The City, like other state and local governments, uses fund accounting to ensure and demonstrate compliance with finance-related legal requirements.

The Division is considered an enterprise fund because the operations of the Division are similar to a private sector business enterprise. Accordingly, in accounting for the activities of the Division, the economic resources measurement focus and accrual basis of accounting are used. This is similar to businesses in the private sector.

The basic financial statements of the Division can be found on pages 18 - 23 of this report. The notes to the financial statements provide additional information that is essential to a full understanding of the data provided in the basic financial statements. The notes to the financial statements can be found on pages 25 - 52 of this report. Required supplementary information can be found on pages 53 - 56.

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MANAGEMENT'S DISCUSSION AND ANALYSIS (Continued)

CONDENSED STATEMENT OF NET POSITION INFORMATION

Provided below is condensed statement of net position information for the Division as of December 31, 2018 and 2017:

	2018	Restated 2017
	(Amounts in Thousands)	
Assets:		
Capital assets, net of accumulated depreciation	\$ 361,290	\$ 352,206
Restricted assets	4,183	17,952
Current assets	85,738	79,737
Total assets	451,211	449,895
Deferred outflows of resources	18,523	24,264
Net Position:		
Net investment in capital assets	176,289	173,802
Restricted for capital projects	493	487
Restricted for debt service	2,493	2,875
Unrestricted	10,300	10,531
Total net position	189,575	187,695
Liabilities:		
Long-term obligations	250,767	260,436
Current liabilities	23,765	25,214
Total liabilities	274,532	285,650
Deferred inflows of resources	5,627	814

Restricted assets: The Division's restricted assets decreased by \$13,769,000. The decrease is primarily due to a \$13,401,000 reduction in unspent bond proceeds due to construction related expenses.

Current assets: The Division's current assets increased by \$6,001,000 in 2018. The increase is mainly due to an increase of \$8,365,000 in unrestricted cash and cash equivalents, offset by a decrease of \$3,834,000 in recoverable costs of purchased power. Both fluctuations are related to the Division increasing the Energy Adjustment Charge (EAC) in 2018 to partially recover energy charges incurred in 2017.

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MANAGEMENT'S DISCUSSION AND ANALYSIS (Continued)

CONDENSED STATEMENT OF NET POSITION INFORMATION (Continued)

Capital assets: The Division's capital assets as of December 31, 2018, amounted to \$361,290,000 (net of accumulated depreciation). The total increase in the Division's net capital assets for the current year was \$9,084,000. A summary of the activity in the Division's capital assets during the year ended December 31, 2018, is as follows:

	Balance January 1, 2018	Additions	Reductions	Balance December 31, 2018
(Amounts in Thousands)				
Land	\$ 5,574	\$	\$	\$ 5,574
Land improvements	318	74		392
Utility plant	587,712	39,047	(2,145)	624,614
Buildings, structures and improvements	22,858	482		23,340
Furniture, fixtures, equipment and vehicles	91,759	3,265	(2,686)	92,338
Construction in progress	38,707	24,128	(37,242)	25,593
Total	746,928	66,996	(42,073)	771,851
Less: Accumulated depreciation	(394,722)	(20,428)	4,589	(410,561)
Capital assets, net	\$ 352,206	\$ 46,568	\$ (37,484)	\$ 361,290

The principal additions to construction in progress during 2018 included the following:

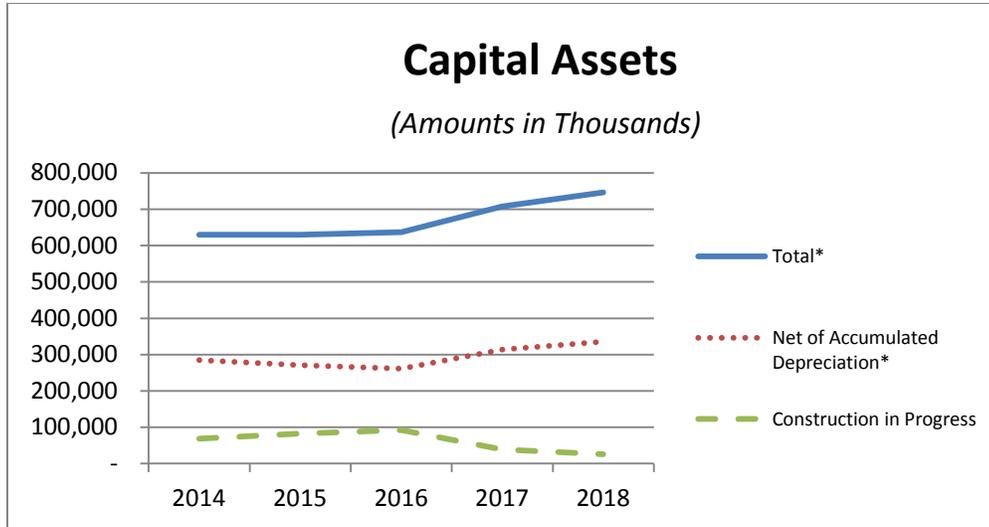
- Southern Transmission Line
- General engineering services
- Underground cable reconstruction
- Duct lines

In addition, the Denison Avenue project, totaling \$10,729,000, was completed. The project's primary purpose was to install a new duct bank for new underground power lines.

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MANAGEMENT’S DISCUSSION AND ANALYSIS (Continued)

CONDENSED STATEMENT OF NET POSITION INFORMATION (Continued)



* Construction in Progress not included

Additional information on the Division’s capital assets, including commitments made for future capital expenditures, can be found in Note D – Capital Assets to the basic financial statements.

Deferred outflows of resources: There was a decrease of \$5,741,000 in deferred outflows of resources. Pension decreased by \$6,019,000 primarily due to investment returns exceeding expectations. The decrease was partially offset by an increase in other postemployment benefits (OPEB) of \$1,109,000.

Current liabilities: The decrease in current liabilities of \$1,449,000 is primarily due to the decrease of \$2,065,000 in the current portion of long-term debt. The decrease was partially offset by an increase in payable from restricted assets of \$701,000.

Net pension/OPEB liabilities: The net pension liability is reported by the Division at December 31, 2018 and is reported pursuant to Government Accounting Standards Board (GASB) Statement No. 68, *Accounting and Financial Reporting for Pensions — an Amendment of GASB Statement No. 27*. For fiscal year 2018, the Division adopted GASB Statement No. 75, *Accounting and Financial Reporting for Postemployment Benefits Other Than Pensions*, which significantly revises accounting for costs and liabilities related OPEB. For reasons discussed below, many end users of this financial statement will gain a clearer understanding of the Division’s actual financial condition by adding deferred inflows of resources related to pension and OPEB, the net pension liability and the net OPEB liability to the reported net position and subtracting deferred outflows of resources related to pension and OPEB.

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MANAGEMENT'S DISCUSSION AND ANALYSIS (Continued)

CONDENSED STATEMENT OF NET POSITION INFORMATION (Continued)

GASB standards are national and apply to all government financial reports prepared in accordance with generally accepted accounting principles. Prior accounting for pensions (GASB Statement No. 27, *Accounting for Pensions by State and Local Governmental Employers*) and postemployment benefits (GASB Statement No. 45, *Accounting and Financial Reporting by Employers for Postemployment Benefits Other Than Pensions*) focused on a funding approach. This approach limited pension and OPEB costs to contributions annually required by law, which may or may not be sufficient to fully fund each plan's net pension liability or net OPEB liability. GASB Statement No. 68 and GASB Statement No. 75 take an earnings approach to pension and OPEB accounting; however, the nature of Ohio's statewide pension/OPEB plans and state law governing those systems requires additional explanation in order to properly understand the information presented in these statements.

GASB Statement No. 68 and GASB Statement No. 75 require the net pension liability and the net OPEB liability to equal the Division's proportionate share of each plan's collective:

1. Present value of estimated future pension/OPEB benefits attributable to active and inactive employees' past service
2. Minus plan assets available to pay these benefits

GASB notes that pension and OPEB obligations, whether funded or unfunded, are part of the employment exchange – that is, the employee is trading his or her labor in exchange for wages, benefits and the promise of a future pension and other postemployment benefits. GASB noted that the unfunded portion of this promise is a present obligation of the government, part of a bargained-for benefit to the employee and should accordingly be reported by the government as a liability since they received the benefit of the exchange. However, the Division is not responsible for certain key factors affecting the balance of these liabilities. In Ohio, the employee shares the obligation of funding pension benefits with the employer. Both employer and employee contribution rates are capped by State Statute. A change in these caps requires action of both Houses of the General Assembly and approval of the Governor. Benefit provisions are also determined by State Statute. The Ohio Revised Code (ORC) permits, but does not require the retirement systems to provide healthcare to eligible benefit recipients. The retirement systems may allocate a portion of the employer contributions to provide for these OPEB benefits.

The employee enters the employment exchange with the knowledge that the employer's promise is limited not by contract but by law. The employer enters the exchange also knowing that there is a specific, legal limit to its contribution to the retirement system. In Ohio, there is no legal means to enforce the unfunded liabilities of the pension/OPEB plans against the public employer. State law operates to mitigate/lessen the moral obligation of the public employer to the employee, because all parties enter the employment exchange with notice as to the law. The retirement system is responsible for the administration of the pension and OPEB plans.

Most long-term liabilities have set repayment schedules or, in the case of compensated absences (i.e. sick and vacation leave), are satisfied through paid time-off or termination payments. There is no repayment schedule for the net pension liability or the net OPEB liability. As previously explained, changes in benefits, contribution rates and return on investments affect the balance of these liabilities, but are outside the control of the Division. In the event that contributions, investment returns and other changes are insufficient to keep up with required payments, State Statute does not assign/identify the responsible party for the unfunded portion. Due to the unique nature of how the net pension liability and the net OPEB liability are satisfied, these liabilities are separately identified within the long-term liability section of the statement of net position.

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MANAGEMENT’S DISCUSSION AND ANALYSIS (Continued)

CONDENSED STATEMENT OF NET POSITION INFORMATION (Continued)

In accordance with GASB Statement No. 68 and GASB Statement No. 75, the Division’s statements prepared on an accrual basis of accounting include an annual pension expense and an annual OPEB expense for their proportionate share of each plan’s change in net pension liability and net OPEB liability, respectively, not accounted for as deferred inflows/outflows of resources.

As a result of implementing GASB Statement No. 75, the Division is reporting a net OPEB liability and deferred inflows/outflows of resources related to OPEB on the accrual basis of accounting. This implementation also had the effect of restating net position at December 31, 2017 from \$199,901,000 to \$187,695,000. Additional information on the restatement can be found in Note K – Restatement of Net Position.

Long-term obligations: The long-term obligations decrease of \$9,669,000 in 2018 is mainly due to a decrease of \$7,901,000 in net pension liability and a \$5,553,000 decrease in revenue bonds payable due to scheduled principal payments and refunding of bonds. The reduction in the net pension liability is primarily due to investment returns exceeding expectations. These decreases were partially offset by an increase in accreted interest payable of \$2,492,000.

At December 31, 2018, the Division had total bonded debt outstanding of \$189,278,000. All bonds are backed by the revenues generated by the Division.

The Division issued revenue bonds in the public capital markets in the late 1980’s and early 1990’s to finance a substantial expansion to its service territory. The Division also issued bonds in April 2008 for system expansion. In 2006, 2010, 2012, 2016 and 2018, the Division issued bonds to refinance a portion of its long-term debt. In 2014, the Division issued refunding bonds for the purpose of leveling the Division’s debt service payments over the life of the debt. This outstanding debt is being retired in accordance with repayment schedules through 2038.

Accreted interest payable will increase every year until 2025, due to interest accruing on the Division’s 2008B Capital Appreciation Bonds (CABs). Payments of the accreted amount will begin in 2025.

The activity in the Division’s debt obligations outstanding during the year ended December 31, 2018, is summarized in the following table (excluding unamortized discounts, premiums and accreted interest):

	Balance January 1, 2018	Debt Issued	Debt Retired	Balance December 31, 2018
	(Amounts in Thousands)			
Revenue Bonds:				
Revenue Bonds 2008 A	\$ 16,975	\$	\$ (16,975)	\$ -
Revenue Bonds 2008 B-1	38,715		(38,715)	-
Revenue Bonds 2008 B-2	27,903			27,903
Revenue Bonds 2014	76,885			76,885
Revenue Bonds 2016	41,695		(4,450)	37,245
Revenue Bonds 2018		47,245		47,245
Total	\$ 202,173	\$ 47,245	\$ (60,140)	\$ 189,278

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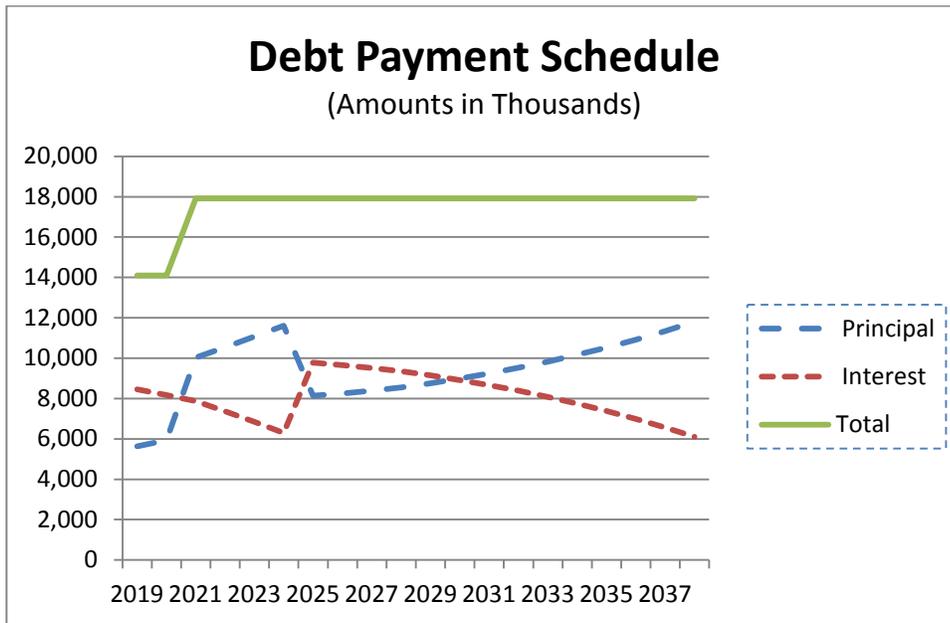
MANAGEMENT’S DISCUSSION AND ANALYSIS (Continued)

CONDENSED STATEMENT OF NET POSITION INFORMATION (Continued)

The bond ratings for the Division’s outstanding revenue bonds are as follows:

Moody’s		Standard & Poor’s
Investors Service	Standard & Poor’s	
A3		A-

The ratio of net revenue available for debt service to debt service requirements (revenue bond coverage) is a useful indicator of the Division’s debt position to management, customers and creditors. The Division’s revenue bond coverage for 2018 and 2017 was 192% and 152%, respectively. Additional information on the Division’s long-term debt can be found in Note B – Debt and Other Long-term Obligations to the basic financial statements on pages 29 - 32.



Deferred inflows of resources: There was a \$4,813,000 increase in deferred inflows of resources. Pension and OPEB deferred inflows increased due to investment returns exceeding expectations.

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MANAGEMENT'S DISCUSSION AND ANALYSIS (Continued)

CONDENSED STATEMENT OF NET POSITION INFORMATION (Continued)

Net Position: Net position serves as a useful indicator of a government's financial position. In the case of the Division, assets and deferred outflows of resources exceeded liabilities and deferred inflows of resources by \$189,575,000 and \$187,695,000 at December 31, 2018 and 2017, respectively.

Of the Division's net position at December 31, 2018, \$176,289,000 reflects the Division's investment in capital assets (e.g., land, buildings, utility plant, furniture, fixtures, vehicles and equipment), net of accumulated depreciation, less any related, still-outstanding debt used to acquire those assets. The Division uses these capital assets to provide services to its customers; consequently, these assets are not available for future spending. Although the Division's investment in capital assets is reported net of related debt, it should be noted that the resources needed to repay this debt must be provided from other resources since the capital assets themselves cannot be used to liquidate these liabilities.

In addition, \$493,000 denotes funds restricted for use in capital projects and \$2,493,000 represents resources subject to debt service restrictions.

The remaining \$10,300,000 reflects unrestricted funds available to meet the Division's ongoing obligations to customers and creditors.

CONDENSED STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET POSITION INFORMATION

The Division had a net gain of \$1,880,000 in 2018. Provided below are key elements of the Division's results of operations as of and for the years ended December 31, 2018 and 2017:

	2018	2017
	(Amounts in Thousands)	
Operating revenues	\$ 211,864	\$ 194,904
Operating expenses	207,294	187,478
Operating income (loss)	4,570	7,426
Non-operating revenue (expense):		
Investment income	703	398
Interest expense	(9,876)	(9,510)
Amortization of bond premiums and discounts	1,075	821
Gain (loss) on disposal of assets	(242)	(73)
Other	5,650	3,075
Total non-operating revenue (expense), net	(2,690)	(5,289)
Change in net position	\$ 1,880	\$ 2,137

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MANAGEMENT’S DISCUSSION AND ANALYSIS (Continued)

**CONDENSED STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET POSITION
INFORMATION (Continued)**

Operating revenues: In 2018, operating revenues increased by \$16,960,000, mostly from increases of \$7,433,000 in revenue from residential customers and \$7,169,000 in revenue from large commercial customers due to an increase in the EAC.

Operating expenses: Operating expenses increased by \$19,816,000 in 2018 primarily due to a \$18,305,000 increase in purchased power costs. A contributing factor to the purchased power costs increase was an escalation in capacity charges of \$7,555,000 or 73.4% . The increase is mainly due to market conditions at the time of the capacity auction.

In addition, operations expense increased by \$720,000. The rise is primarily attributed to an increase of \$658,000 in salary costs related to ratification of union contracts that resulted in increased wages and retroactive pay being owed.

Non-OPEB expenses: The information necessary to restate the 2017 beginning balances and the 2017 OPEB expense amounts for the effects of the initial implementation of GASB Statement No. 75 is not available. Therefore, 2017 functional expenses still include OPEB expense of \$168,000 computed under GASB Statement No. 45. GASB Statement No. 45 required recognizing pension expense equal to the contractually required contributions to the plan. Under GASB Statement No. 75, OPEB expense represents additional amounts earned, adjusted by deferred inflows/outflows of resources. The contractually required contribution is no longer a component of OPEB expense. Under GASB Statement No. 75, the 2018 statements report OPEB expense of \$1,275,000. Consequently, in order to compare 2018 total program expenses to 2017, the following adjustments are needed:

	(Amounts in Thousands)
Total 2018 program expenses under GASB 75	\$ 217,412
OPEB expense under GASB 75	<u>(1,275)</u>
Adjusted 2018 program expenses	216,137
Total 2017 program expenses under GASB 45	<u>(197,061)</u>
Increase in program expenses not related to OPEB	<u>\$ 19,076</u>

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MANAGEMENT'S DISCUSSION AND ANALYSIS (Continued)

FACTORS EXPECTED TO IMPACT THE DIVISION'S FUTURE FINANCIAL POSITION OR RESULTS OF OPERATIONS

As a municipally-owned utility, the Division's mission is to improve the quality of life in the City by providing reliable, affordable energy and energy services to the residents and businesses of the City. The following sections describe major projects likely to impact the Division over the next several years.

Capacity Expansion Program

The Division's Capacity Expansion Program, which includes three major components, was designed to support and improve the Division's electric system reliability and, through increasing system capacity by 80 MW (Megawatt), provide for future load growth opportunities. This program includes the addition of a fourth 138 kV interconnection with the FirstEnergy transmission system (Fourth Interconnect), which was energized in 2011; the extension of the southern 138 kV transmission system (Southern Project); and the expansion of the Lake Road 11.5 kV Substation and the 11.5 kV system downtown (Lake Road Project). In 2008, the Division issued the Series 2008B-1 Bonds to fund the Capacity Expansion Program.

The Lake Road Project includes the construction of a duct line and feeder cables to the 11th Street Substation. The re-feeding of the 11th Street Substation will increase capacity in this area of the downtown and along the corridor between the Lake Road Substation and the 11th Street Substation. In addition, a new step-up substation known as the South Marginal Substation is complete. It provides capacity from the 11.5kV distribution system located downtown to a portion of the 13.8 kV distribution system situated east and southeast of downtown. The South Marginal Substation was completed and will be energized when the Division's Supervisory Control and Data Acquisition (SCADA) System is placed into service.

Construction is underway on the Southern Project. The Southern Project includes the recently completed modification of the Ridge Road Substation to create a ring bus to support the new 138 kV transmission loop which will run from the Ridge Road Substation to the Pofok Substation. The Division has successfully partnered with the City, Cuyahoga County and the Ohio Department of Transportation to combine the construction of an underground segment of the transmission line with a roadway project. The overhead portion of the 138 kV transmission line will complete the loop and was recently bid out for construction. The construction contract for the Southern Project was awarded to J.W. Didado Electric Inc. in November of 2017 and is scheduled for completion in 2019.

Power Supply

The Division participates in a diverse mix of resources including coal-fired, natural gas-fueled, hydroelectric, bioenergy, solar and wind generation. Participation in many of these resources is through the Division's membership in American Municipal Power (AMP) including: the Prairie State Energy Campus coal-fired generation project, AMP Hydro Phase 1 units (Cannelton/Smithland/Willow Island) and Phase 2 units (Meldahl/Greenup), AMP Fremont Energy Center (AFEC) combined cycle facility and the Blue Creek Wind Project. All five AMP hydroelectric projects are in commercial operation. Additionally, the Division has allocations of power from two New York Power Authority hydroelectric projects and several behind-the-meter resources including the Collinwood bioenergy generator, CV Kinsman solar, Division-owned diesel generators and the West 41st Street/Collinwood Combustion Turbines (CTs). For 2018, about 21% of the Division's energy is being supplied from renewable sources including hydroelectric, wind and bioenergy and the Division has voluntarily pursued renewable goals which are consistent with the Ohio state-mandated Renewable Portfolio Standard (RPS) targets applicable to investor-owned utilities (IOUs).

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MANAGEMENT'S DISCUSSION AND ANALYSIS (Continued)

FACTORS EXPECTED TO IMPACT THE DIVISION'S FUTURE FINANCIAL POSITION OR RESULTS OF OPERATIONS (Continued)

The Division's power supply portfolio is also made up of a variety of market energy purchases of various sizes, terms and delivery locations. These market purchases, often referred to as "block power" purchases because of their standard market types, are often procured as part of the Division's current market purchases, including block power purchased around-the-clock (7x24), weekday peak periods (5x16), weekend peak periods (2x16) and off-peak periods at night (7x8). These blocks can be procured by AMP on the Division's behalf with the cost plus a service charge directly passed through to the Division. Alternatively, the Division has the option to contract directly with third parties.

Generation Projects

The Division has chosen to participate in generation projects in order to (i) diversify its power supply portfolio and increase use of renewable energy, (ii) secure long-term stable sources of power, (iii) explore local generation opportunities where transmission congestion costs are mostly avoided and (iv) mitigate the costs of meeting its resource adequacy obligations.

The generation projects through AMP in which the Division participates are Blue Creek Wind, AMP Fremont Energy Center, AMP Hydro Phase 1/Phase 2 and Prairie State. The following sections describe these projects.

Blue Creek Wind Project

In June 2012, the Division entered into an agreement with AMP to purchase 10 MW of energy, capacity and Renewable Energy Credits (REC's) from the Blue Creek Wind Project. The 304 MW Blue Creek Wind Project was developed and is owned, by Iberdrola Renewables, LLC and is located in northwestern Ohio in Van Wert and Paulding counties. The project began commercial operation in June 2012. AMP purchases up to 54 MW from the project on behalf of its members through a Renewable Wind Energy Power Purchase Agreement with Blue Creek Wind Farm, LLC.

AMP Fremont Energy Center

AMP and two of its member agencies in Michigan and Virginia own the AMP Fremont Energy Center (AFEC), a 707 MW natural gas-fired combined cycle generating plant in Fremont, Ohio. Of the 707 MW, 544 MW is available as an intermediate power source during on-peak hours and an additional 163 MW of duct-firing is available for use during peak demand times. AMP purchased the facility in 2011 from FirstEnergy Generation Corporation and completed construction and commissioning. The plant went into commercial operation in January 2012. The Division, through a membership participation agreement with AMP, has entitlement to approximately 79 MW of intermediate and peaking power output from AFEC.

AMP Hydro Projects

In December 2007, the Division entered into an agreement with AMP to purchase 35 MW of hydroelectric power from three planned AMP run-of-the-river hydroelectric projects (AMP Hydro Phase 1) to be constructed on the Ohio River. These include both the Cannelton and Smithland projects in Kentucky, as well as the Willow Island project in West Virginia.

**CITY OF CLEVELAND, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF CLEVELAND PUBLIC POWER**

MANAGEMENT'S DISCUSSION AND ANALYSIS (Continued)

FACTORS EXPECTED TO IMPACT THE DIVISION'S FUTURE FINANCIAL POSITION OR RESULTS OF OPERATIONS (Continued)

The Cannelton project is located on the Kentucky south shore of the Ohio River at the existing U.S. Army Corps of Engineers Cannelton Locks and Dam. The Cannelton project includes three 29.3 MW bulb-type generators with a combined capacity of approximately 88 MW. In addition to the powerhouse and other equipment, the project includes a 1,000-foot transmission line to the point of interconnection. The first unit of the Cannelton Project entered commercial operation in January 2016, the second unit entered commercial operation in March 2016 and the third entered commercial operation in June 2016.

The Smithland project is located at the existing U.S. Army Corps of Engineers Smithland Navigation Locks and Dam. The plant's configuration and equipment is similar to Cannelton's, but includes three 25.3 MW bulb-type generators with a total capacity of approximately 76 MW and a two mile transmission line to the point of interconnection. The Smithland Project entered commercial operation in summer of 2017.

The Willow Island project in West Virginia is located at the existing U.S. Army Corps of Engineers Willow Island Lock and Dam. The plant design and technology is similar to the other two projects but includes two 22 MW generators with a total capacity of approximately 44 MW. The project includes a 1.6 mile transmission line to the point of interconnection. Willow Island Project entered commercial operation in 2016.

Together these projects are expected to produce 208 MW, of which 35 MW is allocated to the Division. In March 2010, the Division executed agreements with AMP to participate in two additional AMP run-of-the-river hydroelectric projects (AMP Hydro Phase 2) on the Ohio River. The first is the Meldahl Project, a 105 MW three-unit hydroelectric generation facility located on the Kentucky side of the Ohio River. The Meldahl Project entered commercial operation in April 2016. The second project is the Greenup Project, an existing 70 MW plant owned by the City of Hamilton, Ohio. The Division has contracted to receive 15 MW from the Meldahl-Greenup Projects, for a total of 50 MW (when combined with AMP Hydro Phase 1) from the five AMP hydroelectric projects.

Prairie State Energy Campus

AMP has a 23% ownership interest in the Prairie State Energy Campus in Illinois, a pulverized coal plant consisting of two generating units with a total rating of 1,582 MW. AMP is entitled to 368 MW as an owner of the facility in partnership with public power agencies and cooperatives in Illinois, Indiana, Kentucky and Missouri. The project is a "mouth-of-the mine" project that includes entitlement to 200 million tons of coal reserves in an adjacent coal mine. The project was developed by Peabody Energy and went into commercial operation in 2012. The Division purchases 25 MW from the Prairie State project through a participation agreement with AMP.

ADDITIONAL INFORMATION

This financial report is designed to provide a general overview of the Division's finances. Questions concerning any of the information provided in this report or requests for additional information should be addressed to the Office of the Finance Director, City Hall Room 104, 601 Lakeside Avenue, Cleveland, Ohio 44114.

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BASIC FINANCIAL STATEMENTS

CITY OF CLEVELAND, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF CLEVELAND PUBLIC POWER
STATEMENT OF NET POSITION
December 31,2018
(Amounts in Thousands)

ASSETS AND DEFERRED OUTFLOWS OF RESOURCES

CAPITAL ASSETS

Land	\$ 5,574
Land improvements	392
Utility plant	624,614
Buildings, structures and improvements	23,340
Furniture, fixtures, equipment and vehicles	92,338
	746,258
Less: Accumulated depreciation	(410,561)
	335,697
Construction in progress	25,593
	361,290

CAPITAL ASSETS, NET

RESTRICTED ASSETS

Cash and cash equivalents	4,178
Accrued interest receivable	5
	4,183

TOTAL RESTRICTED ASSETS

CURRENT ASSETS

Cash and cash equivalents	47,030
Restricted cash and cash equivalents	723
Receivables:	
Accounts receivable - net of allowance for doubtful accounts of \$8,180 in 2018	16,894
Recoverable costs of purchased power	4,418
Unbilled revenue	2,811
Due from other City of Cleveland departments, divisions or funds	3,407
Materials and supplies	10,061
Prepaid expenses	394
	85,738

TOTAL CURRENT ASSETS

TOTAL ASSETS

DEFERRED OUTFLOWS OF RESOURCES

Unamortized loss on debt refunding	11,769
Pension	5,477
OPEB	1,277
	18,523

TOTAL DEFERRED OUTFLOWS OF RESOURCES

CITY OF CLEVELAND, OHIO

DEPARTMENT OF PUBLIC UTILITIES DIVISION OF CLEVELAND PUBLIC POWER STATEMENT OF NET POSITION

December 31, 2018

(Amounts in Thousands)

NET POSITION, LIABILITIES AND DEFERRED INFLOWS OF RESOURCES

NET POSITION

Net investment in capital assets	\$ 176,289
Restricted for capital projects	493
Restricted for debt service	2,493
Unrestricted	<u>10,300</u>
TOTAL NET POSITION	189,575

LIABILITIES

LONG-TERM OBLIGATIONS-excluding amounts due within one year

Accrued wages and benefits	389
Accreted interest payable	20,937
Revenue bonds	192,321
Net pension liability	21,587
Net OPEB liability	13,762
Other	<u>1,771</u>
TOTAL LONG-TERM OBLIGATIONS	250,767

CURRENT LIABILITIES

Accounts payable	11,633
Other accrued expenses	448
Customer deposits and other liabilities	1,099
Current portion of accrued wages and benefits	2,645
Due to other City of Cleveland departments, divisions or funds	520
Accrued interest payable	1,057
Current payable from restricted assets	723
Current portion of long-term debt, due within one year	<u>5,640</u>
TOTAL CURRENT LIABILITIES	23,765
TOTAL LIABILITIES	274,532

DEFERRED INFLOWS OF RESOURCES

Pension	4,630
OPEB	<u>997</u>
TOTAL DEFERRED INFLOWS OF RESOURCES	5,627

See notes to financial statements.

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CITY OF CLEVELAND, OHIO

**DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF CLEVELAND PUBLIC POWER
STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET POSITION
For the Year Ended December 31, 2018
(Amounts in Thousands)**

OPERATING REVENUES

Charges for services	\$ 211,864
TOTAL OPERATING REVENUES	211,864

OPERATING EXPENSES

Purchased power	141,679
Operations	28,074
Maintenance	17,113
Depreciation	20,428
TOTAL OPERATING EXPENSES	207,294

OPERATING INCOME (LOSS) 4,570

NON-OPERATING REVENUE (EXPENSE)

Investment income	703
Interest expense	(9,876)
Amortization of bond premiums and discounts	1,075
Gain (loss) on disposal of assets	(242)
Other	5,650
TOTAL NON-OPERATING REVENUE (EXPENSE), NET	(2,690)

INCREASE (DECREASE) IN NET POSITION 1,880

NET POSITION AT BEGINNING OF YEAR (as restated) 187,695

NET POSITION END OF YEAR \$ 189,575

See notes to financial statements.

CITY OF CLEVELAND, OHIO

DEPARTMENT OF PUBLIC UTILITIES DIVISION OF CLEVELAND PUBLIC POWER

STATEMENT OF CASH FLOWS

For the Year Ended December 31, 2018

(Amounts in Thousands)

CASH FLOWS FROM OPERATING ACTIVITIES

Cash received from customers	\$ 212,784
Cash payments to suppliers for goods or services	(17,668)
Cash payments to employees for services	(19,523)
Cash payments for purchased power	(138,880)
Electric excise tax payments to agency fund and other	<u>(5,566)</u>

NET CASH PROVIDED BY (USED FOR) OPERATING ACTIVITIES 31,147

CASH FLOWS FROM NONCAPITAL FINANCING ACTIVITIES

Electric excise tax receipts	<u>6,232</u>
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**NET CASH PROVIDED BY (USED FOR) NONCAPITAL
FINANCING ACTIVITIES** 6,232

CASH FLOWS FROM CAPITAL AND RELATED FINANCING ACTIVITIES

Proceeds from sale of revenue bonds	52,954
Acquisition and construction of capital assets	(26,708)
Principal paid on long-term debt	(7,705)
Interest paid on long-term debt	(8,570)
Cash paid to escrow agent for refunding	<u>(52,923)</u>

**NET CASH PROVIDED BY (USED FOR) CAPITAL AND
RELATED FINANCING ACTIVITIES** (42,952)

CASH FLOWS FROM INVESTING ACTIVITIES

Interest received on investments	<u>880</u>
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**NET CASH PROVIDED BY (USED FOR)
INVESTING ACTIVITIES** 880

**NET INCREASE (DECREASE) IN
CASH AND CASH EQUIVALENTS** (4,693)

CASH AND CASH EQUIVALENTS, BEGINNING OF YEAR 56,624

CASH AND CASH EQUIVALENTS, END OF YEAR \$ 51,931

CITY OF CLEVELAND, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF CLEVELAND PUBLIC POWER
STATEMENT OF CASH FLOWS
For the Year Ended December 31, 2018
(Amounts in Thousands)

**RECONCILIATION OF OPERATING INCOME (LOSS) TO
NET CASH PROVIDED BY (USED FOR) OPERATING ACTIVITIES**

OPERATING INCOME (LOSS)	\$ 4,570
Adjustments:	
Depreciation	20,428
(Increase) decrease in assets:	
Accounts receivable, net	220
Recoverable costs of purchased power	3,834
Unbilled revenue	(69)
Due from other City of Cleveland departments, divisions or funds	(184)
Materials and supplies, net	(595)
Prepaid expenses	(141)
(Increase) decrease in deferred outflows of resources:	
Pension	6,019
OPEB	(1,109)
Increase (decrease) in liabilities:	
Accounts payable	(253)
Other accrued expenses	2
Customer deposits and other liabilities	81
Accrued wages and benefits	240
Due to other City of Cleveland departments, divisions or funds	142
Other long-term liabilities	(338)
Net pension liability	(7,901)
Net OPEB liability	1,388
Increase (decrease) in deferred inflows of resources:	
Pension	3,816
OPEB	997
TOTAL ADJUSTMENTS	26,577
NET CASH PROVIDED BY (USED FOR)	
OPERATING ACTIVITIES	\$ 31,147

**SCHEDULE OF NONCASH CAPITAL AND RELATED
FINANCING ACTIVITIES:**

Accounts payable related to capital assets	\$ 723
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**CITY OF CLEVELAND, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF CLEVELAND PUBLIC POWER**

**NOTES TO FINANCIAL STATEMENTS
For the Year Ended December 31, 2018**

NOTE A - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

The Division of Cleveland Public Power (the Division) is reported as an Enterprise Fund of the City of Cleveland's (the City) Department of Public Utilities and is a part of the City's primary government. The Division was created for the purpose of supplying electrical services to customers within the City. The following is a summary of the more significant accounting policies.

Reporting Model and Basis of Accounting: The accounting policies and financial reporting practices of the Division comply with accounting principles generally accepted in the United States of America applicable to governmental units.

In June of 2015, GASB Statement No. 75, *Accounting and Financial Reporting for Postemployment Benefits Other Than Pensions*, was issued. This Statement is effective for fiscal 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. It also improves information provided by state and local governmental employers about financial support for OPEB that are provided by other entities. As required, the Division has implemented GASB Statement No. 75 as of December 31, 2018.

In March of 2017, GASB Statement No. 85, *Omnibus 2017*, was issued. This Statement is effective for fiscal periods beginning after June 15, 2017. The primary objective of this Statement is to improve consistency in accounting and financial reporting by addressing practice issues that have been identified during the implementation and application of certain GASB Statements, specifically for blending component units, goodwill, fair value measurements and application and postemployment benefits. The Division has determined that GASB Statement No. 85 has no impact on its financial statements as of December 31, 2018.

In May of 2017, GASB Statement No. 86, *Certain Debt Extinguishments*, was issued. This Statement is effective for fiscal periods beginning after June 15, 2017. The primary objective of this Statement is to improve consistency in accounting and financial reporting for in-substance defeasance of debt by providing guidance for transactions in which cash and other monetary assets acquired with only existing resources, resources other than the proceeds of refunding debt, are placed in an irrevocable trust for the sole purpose of extinguishing debt. This Statement also improves accounting and financial reporting for prepaid insurance on debt that is extinguished and notes to the financial statements for debt that is defeased in substance. The Division has determined that GASB Statement No. 86 has no impact on its financial statements as of December 31, 2018.

**CITY OF CLEVELAND, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF CLEVELAND PUBLIC POWER**

**NOTES TO FINANCIAL STATEMENTS (Continued)
For the Year Ended December 31, 2018**

NOTE A - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

The Division's net position is accounted for in the accompanying statement of net position and the net position is divided into the following categories:

- Net investment in capital assets
- Amount restricted for capital projects
- Amount restricted for debt service
- Remaining unrestricted amount

Basis of Accounting: The Division's financial statements are prepared under the accrual basis of accounting. Under this method, revenues are recognized when earned and measurable and expenses are recognized as incurred.

Revenues: Revenues are derived primarily from sales of electricity to residential, commercial and industrial customers based upon actual consumption. Electricity rates are authorized by City Council and billings are made on a cyclical basis. Estimates for services between the end of the various cycles and the end of the year are recorded as unbilled revenue.

Inventory of Supplies: The Division's inventory is valued at average cost. Inventory costs are charged to operations when consumed.

Prepaid Expenses and Other Assets: Payments made to vendors for services that benefit future periods are recorded as prepayments in the financial statements. A current asset for the prepaid amount is recorded at the time of purchase and the expense is reported in the year in which services are consumed.

Interfund Transactions: During the course of normal operations the Division has numerous transactions between other City divisions and departments. Unpaid amounts at year end are generally reflected as due to or due from in the accompanying financial statements.

Statement of Cash Flows: The Division utilizes the direct method of reporting for the statement of cash flows as defined by the GASB Statement No. 9, *Reporting Cash Flows of Proprietary and Non-expendable Trust Funds and Governmental Entities That Use Proprietary Fund Accounting*. In a statement of cash flows, cash receipts and cash payments are classified according to operating, non-capital financing, capital and related financing and investment activities.

The Division transfers electric excise tax revenue from billed customers on a monthly basis to an agency fund in the City. Additional electric excise tax revenue from large customers is invoiced separately and deposited directly into an agency fund in the City.

**CITY OF CLEVELAND, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF CLEVELAND PUBLIC POWER**

**NOTES TO FINANCIAL STATEMENTS (Continued)
For the Year Ended December 31, 2018**

NOTE A - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

Cash and Cash Equivalents: Cash and cash equivalents represent cash on hand and cash deposits maintained by the City Treasurer on behalf of the Division. Cash equivalents are defined as highly liquid investments with maturity of three months or less when purchased.

Investments: The Division follows the provisions of GASB Statement No. 72 *Fair Value Measurement and Application* which requires governmental entities to record their investments at fair value within the fair value hierarchy. The hierarchy is based on the valuation inputs used to measure fair value of the assets. Level 1 inputs are quoted prices in an active market for identical assets. Level 2 inputs are significant other observable inputs valued by pricing sources used by the City's investment managers. Level 3 inputs are significant unobservable inputs. The Division's investments in money market mutual funds and State Treasury Asset Reserve of Ohio (STAR Ohio) funds are excluded from fair value measurement requirements under GASB Statement No. 72 and instead are reported at amortized cost.

The Division has invested funds in the STAR Ohio during 2018. STAR Ohio is an investment pool managed by the State Treasurer's Office, which allows governments within the State to pool their funds for investment purposes. STAR Ohio is not registered with the SEC as an investment company, but has adopted GASB Statement No. 79, *Certain External Investment Pools and Pools Participants* for the purpose of measuring the value of shares in STAR Ohio. The Division measures their investment in STAR Ohio at the net asset value (NAV) per share provided by STAR Ohio. The NAV per share is calculated on an amortized cost basis that provides a NAV share that approximates fair value.

Restricted Assets: Proceeds from debt and amounts set aside in various fund accounts for payment of revenue bonds are classified as restricted assets since their use is limited by the bond indentures.

Recoverable Costs of Purchased Power: The Division passes through certain power costs to the customer as Energy Adjustment Charges. The power costs related to recoverable costs of purchased power will be billed to customers in future billing periods.

Capital Assets and Depreciation: Capital assets are stated on the basis of historical cost or, if contributed, at their acquisition value on the date contributed. Depreciation is computed by allocating the cost of capital assets over the estimated useful lives of the assets using the straight-line method. A capital asset is defined as an item with a useful life in excess of one year and an individual cost of more than \$5,000 for land, furniture, fixtures, equipment and vehicles and \$10,000 for all other assets. When capital assets are disposed of, the cost and related accumulated depreciation are removed from the accounts with gains or losses on disposition being reflected in operations. The estimated useful lives are as follows:

Utility plant	5 to 100 years
Land improvements	15 to 100 years
Buildings, structures and improvements	5 to 60 years
Furniture, fixtures, equipment and vehicles	3 to 60 years

**CITY OF CLEVELAND, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF CLEVELAND PUBLIC POWER**

**NOTES TO FINANCIAL STATEMENTS (Continued)
For the Year Ended December 31, 2018**

NOTE A - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

The Division's policy is to capitalize interest on construction projects up to the point in time that the project is substantially completed. Capitalized interest is included in the cost of the assets and is depreciated on the straight-line basis over the estimated useful lives of such assets. The Division applies GASB guidance pertaining to capitalization of interest cost for its revenue bonds. This guidance requires capitalization of interest cost of eligible borrowings less interest earned on investment of the related bond proceeds from the date of borrowing until the assets constructed from the bond proceeds are ready for their intended use.

For 2018, total interest costs incurred amounted to \$12,295,000, of which \$2,252,000 was capitalized, net of interest income of \$167,000.

Bond Issuance Costs, Discounts, Premiums and Unamortized Losses on Debt Refundings: Bond issuance costs are expensed when incurred. Deferred bond discounts/premiums are netted against long-term debt. The discounts/premiums are amortized over the lives of the applicable bonds. Unamortized loss on debt refundings are categorized as a deferred outflow of resources and is amortized over the shorter of the defeased bond or the newly issued bond.

Deferred Outflows/Inflows of Resources: In addition to assets, the statement of net 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(s) and so will not be recognized as an outflow of resources (expense) until then. In addition to liabilities, the statement of net position will sometimes report a separate section for deferred inflows of resources. This separate financial statement element, deferred inflows of resources, represents an acquisition of net position that applies to a future period(s) and so will not be recognized as an inflow of resources (revenue) until that time.

Net Pension/OPEB Liabilities: For purposes of measuring the net pension/OPEB liabilities, deferred outflows of resources and deferred inflows of resources related to pensions/OPEB and pension/OPEB expenses, information about the fiduciary net position of the pension/OPEB plans and additions to/deductions from their fiduciary net position have been determined on the same basis as they are reported by the pension/OPEB systems. For this purpose, benefit payments (including refunds of employee contributions) are recognized when due and payable in accordance with the benefit terms. The pension/OPEB systems report investments at fair value.

Compensated Absences: The Division accrues for compensated absences such as vacation, sick leave and compensatory time using the termination payment method specified under GASB Statement No. 16, *Accounting for Compensated Absences*. These amounts are recorded as accrued wages and benefits in the accompanying statement of net position. The portion of the compensated absence liability that is not expected to be paid out within one year is reported as a long-term liability.

Normally, all vacation time is to be taken in the year available. The Division allows employees to carryover vacation from one year to the next. Sick days not taken may be accumulated until retirement. An employee is paid one-third of accumulated sick leave upon retirement, calculated at the three year base salary rate, with the balance being forfeited.

**CITY OF CLEVELAND, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF CLEVELAND PUBLIC POWER**

**NOTES TO FINANCIAL STATEMENTS (Continued)
For the Year Ended December 31, 2018**

NOTE B - DEBT AND OTHER LONG-TERM OBLIGATIONS

Long-term debt outstanding at December 31, 2018, is as follows:

	<u>Interest Rate</u>	<u>Original Issuance</u>	<u>2018</u>
<u>(Amounts in Thousands)</u>			
Revenue Bonds:			
Series 2008 B-2, due through 2038	5.13%-5.40%	27,903	27,903
Series 2014, due through 2038	5.50%	76,885	76,885
Series 2016, due through 2024	5.00%	42,025	37,245
Series 2018, due through 2038	5.00%	47,245	47,245
		<u>\$ 194,058</u>	<u>\$ 189,278</u>
Less:			
Unamortized premium (discount)-current interest bonds (net)			8,683
Current portion			<u>(5,640)</u>
Total long-term debt			<u>\$ 192,321</u>

**CITY OF CLEVELAND, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF CLEVELAND PUBLIC POWER**

**NOTES TO FINANCIAL STATEMENTS (Continued)
For the Year Ended December 31, 2018**

NOTE B - DEBT AND OTHER LONG-TERM OBLIGATIONS (Continued)

Summary: Changes in long-term obligations for the year ended December 31, 2018, are as follows:

	Restated Balance January 1, 2018	Increase	Decrease	Balance December 31, 2018	Due Within One Year
(Amounts in Thousands)					
Revenue Bonds:					
Series 2008 A, due through 2024	\$ 16,975	\$	\$ (16,975)	\$ -	\$
Series 2008 B-1, due through 2038	38,715		(38,715)	-	
Series 2008 B-2, due through 2038	27,903			27,903	
Series 2014, due through 2038	76,885			76,885	
Series 2016, due through 2024	41,695		(4,450)	37,245	4,640
Series 2018, due through 2038	<u> </u>	<u>47,245</u>	<u> </u>	<u>47,245</u>	<u>1,000</u>
Total revenue bonds	202,173	47,245	(60,140)	189,278	5,640
Accrued wages and benefits	2,794	2,888	(2,648)	3,034	2,645
Net pension liability	29,488		(7,901)	21,587	
Net OPEB liability	<u>12,374</u>	<u>1,388</u>	<u> </u>	<u>13,762</u>	<u> </u>
Total	<u>\$ 246,829</u>	<u>\$ 51,521</u>	<u>\$ (70,689)</u>	<u>\$ 227,661</u>	<u>\$ 8,285</u>

**CITY OF CLEVELAND, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF CLEVELAND PUBLIC POWER**

**NOTES TO FINANCIAL STATEMENTS (Continued)
For the Year Ended December 31, 2018**

NOTE B - DEBT AND OTHER LONG-TERM OBLIGATIONS (Continued)

Minimum principal and interest payments on long-term debt are as follows:

	Principal		Interest		Total
(Amounts in Thousands)					
2019	\$ 5,640	\$	8,453	\$	14,093
2020	5,925		8,171		14,096
2021	10,035		7,875		17,910
2022	10,540		7,373		17,913
2023	11,065		6,846		17,911
2024-2028	44,949		44,597		89,546
2029-2033	46,357		43,199		89,556
2034-2038	54,767		34,788		89,555
	\$ 189,278	\$	161,302	\$	350,580

The City has pledged future power system revenues, net of specified operating expenses, to repay \$189,278,000 in Public Power System Revenue Bonds issued in various years since 2008. Proceeds from the bonds provided financing for Public Power System improvements. The bonds are payable from Public Power System net revenues and are payable through 2038. Annual principal and interest payments on the bonds are expected to require less than 53% of net revenues. The total principal and interest remaining to be paid on the various Public Power System Revenue Bonds is \$350,580,000. Principal and interest paid for the current year and total net revenues were \$16,275,000 and \$31,242,000, respectively.

On June 27, 2018, the City issued \$47,245,000 Public Power System Revenue Refunding Bonds, Series 2018. These bonds were issued to currently refund \$14,860,000 of outstanding Series 2008A Public Power System Bonds and \$37,575,000 of outstanding Series 2008B-1 Public Power System Bonds. Bond proceeds in the amount of \$52,923,299 were placed in an irrevocable escrow account to pay the principal and interest on the refunded bonds on July 27, 2018. The refunded bonds are considered to be defeased and the liability for those bonds has been removed from long-term debt. The City completed the refunding in order to achieve debt service savings of approximately \$5,323,000 and an economic gain (the difference between the present values of the old and new debt service) of \$5,039,000 or 9.6%.

The Division has, at various times, defeased certain revenue bonds by placing the proceeds of new bonds into an irrevocable trust to provide for all future debt service payments on the old bonds. Accordingly, the trust account assets and the liability for the defeased bonds are not included in the Division's financial statements.

The Division had no defeased debt outstanding at December 31, 2018.

**CITY OF CLEVELAND, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF CLEVELAND PUBLIC POWER**

**NOTES TO FINANCIAL STATEMENTS (Continued)
For the Year Ended December 31, 2018**

NOTE B - DEBT AND OTHER LONG-TERM OBLIGATIONS (Continued)

Revenue bonds are payable from the revenues derived from operations of the Public Power System, after the payment of all operating and maintenance expenses (net revenues). The bonds are collateralized by a pledge of and lien on such net revenues and the special funds described below.

The indenture requires that, at all times, the Division will charge rates and fees for the products and services of the Public Power System. Revenues will be at least sufficient to provide funds for the payment in each year of the necessary operating and maintenance expenses of the power system and an amount equal to 1.25 times the payments of principal and interest on the revenue bonds then outstanding and due in that year. As of December 31, 2018, the Division was in compliance with the terms and requirements of the bond indenture. The indenture establishes the following fund accounts for the application of revenues:

Revenue Fund: All revenues will be deposited into this fund and will be used for payment of current operating expenses and deposits into other funds.

Debt Service Fund: Monthly deposits will be made from the revenue fund to cover succeeding principal and interest payments as they become due on the revenue bonds.

Debt Service Reserve Fund: Deposits will be made to this fund if the required amount in the debt service reserve fund at any time is less than the debt service reserve requirement. In the past, however, the Division has elected pursuant to provisions of the indenture governing the Division's bonds, to satisfy the bond reserve requirement with a surety bond in an aggregate amount at least equal to the bond reserve requirement. The Series 2014 Bonds, Series 2016 Bonds and Series 2018 Bonds are not secured by the debt service reserve fund.

Renewal and Replacement Fund: The balance in this fund is maintained at a minimum of \$1,000,000 and is to be applied against the cost of repair or replacement of capital assets in order to maintain the system.

Construction Fund: The proceeds from Series 1991, Series 1994 and Series 2008 Bonds of \$12,050,000, \$79,386,000 and \$72,608,000, respectively, were deposited into this fund to be used, along with earnings from investments of amounts held therein, for the payment of capital costs. As of December 31, 2018, the Division did not have any outstanding commitments for future construction costs that will be funded by available bond proceeds. Capital costs include all costs of additions, extensions, renewals, replacements, alterations, betterments and any other capital improvements to the system. Amounts held in this fund are subject to a lien in favor of bondholders and may be used to pay principal of outstanding bonds to the extent that amounts in all other funds are insufficient. No payment needs to be made into a fund if the amounts in such fund are equal to the required fund balance, if any.

Amounts held in trust may be invested by the City Treasurer or the trustee in permitted investments. However, the use of funds is limited by the bond indenture and, accordingly, the amounts are classified as restricted assets in the financial statements.

**CITY OF CLEVELAND, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF CLEVELAND PUBLIC POWER**

**NOTES TO FINANCIAL STATEMENTS (Continued)
For the Year Ended December 31, 2018**

NOTE C - DEPOSITS AND INVESTMENTS

Deposits: At December 31, 2018, the Division's carrying amount of deposits totaled \$21,083,000 and the Division's bank balances totaled \$20,744,000. The differences represent positions in pooled bank accounts and normal reconciling items. Based on the criteria described in GASB Statement No. 3, *Deposits with Financial Institutions, Investments (Including Repurchase Agreements) and Reverse Repurchase Agreements* and GASB Statement No. 40, *Deposit and Investment Risk Disclosures – an Amendment of GASB Statement No. 3*, \$20,744,000 of the bank balances at December 31, 2018, was insured or collateralized with securities held by the City or by its agent in the City's name.

Custodial credit risk for deposits is the risk that in the event of bank failure, the Division will not be able to recover deposits or collateral for securities that are in possession of an outside party. At year end, the Division's deposits were fully insured or collateralized. All deposits are collateralized with eligible securities pledged and deposited either with the City or with a qualified trustee by the financial institution as security for repayment of all public monies deposited in the financial institution whose market value at all times is equal to at least 110% of the carrying value of the deposits being secured.

Investments: In accordance with GASB Statement No. 72, *Fair Value Measurement and Application*, the City reports its investments at fair value based on quoted market values, where applicable and recognized the corresponding change in the fair value of the investments recorded in investment earnings in the year in which the change occurs. The City's investment policies are governed by State Statutes and City ordinances which authorize the City to invest in obligations of the U.S. Treasury, agencies and instrumentalities; State Treasurer Asset Reserve Fund (STAR Ohio); commercial paper; US Government Money Market Mutual Funds; guaranteed investment contracts; manuscript debt; bonds and other State of Ohio obligations; certificates of deposit; and repurchase transactions. Such repurchase transactions must be purchased from financial institutions or registered broker/dealers. Repurchase transactions are not to exceed a period of one year and confirmation of securities pledged must be obtained.

Generally, investments are recorded and are kept at the Federal Reserve Bank in the depository institutions' separate custodial account for the City, apart from the assets of the depository institution. Ohio Statute prohibits the use of reverse repurchase agreements.

Investment securities are exposed to various risks such as interest rate, market and credit. Market values of securities fluctuate based on the magnitude of changing market conditions; significant changes in market conditions could materially affect the portfolio value.

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**NOTES TO FINANCIAL STATEMENTS (Continued)
For the Year Ended December 31, 2018**

NOTE C - DEPOSITS AND INVESTMENTS (Continued)

The following is a summary of the fair value hierarchy of the fair value of investments of the Division (excluding STAR Ohio and money market mutual funds) as of December 31, 2018:

Type of Investment	Fair Value	Fair Value Measurements Using Level 2
(Amounts in Thousands)		
Commercial Paper	<u>\$ 347</u>	<u>\$ 347</u>
Total Investments	<u><u>\$ 347</u></u>	<u><u>\$ 347</u></u>

Interest Rate Risk: As a means of limiting its exposure to fair value losses caused by rising interest rates, the Division invests primarily in both short and long-term investments maturing within five years from the date of purchase. The intent is to avoid the need to sell securities prior to maturity. Investment maturities are disclosed in the Concentration of Credit Risk section.

Custodial Credit Risk: For an investment, custodial credit risk is the risk that, in the event of the failure of the counterparty, the Division will not be able to recover the value of the investments or collateral securities that are in the possession of an outside party. The Division does not have an investment policy dealing with investment custodial credit risk beyond the requirement in the State Statute.

Credit Risk: The Division's investments as of December 31, 2018, include STAR Ohio, commercial paper and money market mutual funds. Investments in STAR Ohio and the First American Government Obligations Fund carry a rating of AAAM, which is the highest money market fund rating given by Standard & Poor's. Ohio law requires that STAR Ohio maintain the highest rating provided by at least one nationally recognized standard rating service. The Division's investment in U.S. Bank N.A. Open Commercial Paper carries a Standard & Poor's rating of A-.

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**NOTES TO FINANCIAL STATEMENTS (Continued)
For the Year Ended December 31, 2018**

NOTE C - DEPOSITS AND INVESTMENTS (Continued)

Concentration of Credit Risk: The Division places a limitation on the amount it may invest in any one issuer to help minimize the concentration of credit risk. The Division had the following investments at December 31, 2018, which include those classified as cash and cash equivalents in the statement of net position in accordance with the provisions of GASB Statement No. 9 *Reporting Cash Flows of Proprietary and Nonexpendable Trust Funds and Governmental Entities That Use Proprietary Accounting*, since they have a maturity of three months or less:

Type of Investment	2018 Value	2018 Cost	Investment Maturities Less than One Year
(Amounts in Thousands)			
STAR Ohio	\$ 27,164	\$ 27,164	\$ 27,164
Commercial Paper	347	347	347
Money Market Mutual Funds	3,337	3,337	3,337
Total Investments	30,848	30,848	30,848
Total Deposits	21,083	21,083	21,083
Total Deposits and Investments	\$ 51,931	\$ 51,931	\$ 51,931

These amounts are monies invested by the City Treasurer on behalf of the Division and are used in daily operations with excess monies invested daily in STAR Ohio and money market mutual funds. These investments are carried at cost which approximates fair value.

As of December 31, 2018, the investments in STAR Ohio, commercial paper and money market mutual funds are approximately 88.1%, 1.1% and 10.8%, respectively, of the Division's total investments.

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DEPARTMENT OF PUBLIC UTILITIES
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**NOTES TO FINANCIAL STATEMENTS (Continued)
For the Year Ended December 31, 2018**

NOTE D - CAPITAL ASSETS

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

	Balance January 1, 2018	Additions	Reductions	Balance December 31, 2018
(Amounts in Thousands)				
Capital assets, not being depreciated:				
Land	\$ 5,574	\$	\$	\$ 5,574
Construction in progress	<u>38,707</u>	<u>24,128</u>	<u>(37,242)</u>	<u>25,593</u>
Total capital assets, not being depreciated	44,281	24,128	(37,242)	31,167
Capital assets, being depreciated:				
Land improvements	318	74		392
Utility plant	587,712	39,047	(2,145)	624,614
Buildings, structures and improvements	22,858	482		23,340
Furniture, fixtures, equipment and vehicles	<u>91,759</u>	<u>3,265</u>	<u>(2,686)</u>	<u>92,338</u>
Total capital assets, being depreciated	702,647	42,868	(4,831)	740,684
Less: Accumulated depreciation	<u>(394,722)</u>	<u>(20,428)</u>	<u>4,589</u>	<u>(410,561)</u>
Total capital assets being depreciated, net	<u>307,925</u>	<u>22,440</u>	<u>(242)</u>	<u>330,123</u>
Capital assets, net	<u>\$ 352,206</u>	<u>\$ 46,568</u>	<u>\$ (37,484)</u>	<u>\$ 361,290</u>

Commitments: The Division has outstanding commitments of approximately \$8,638,000 for future capital expenditures at December 31, 2018. It is anticipated that these commitments will be financed from the Division's cash balances; however, at the discretion of the Division, additional long-term debt may be issued in the future to finance a portion of the costs.

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DIVISION OF CLEVELAND PUBLIC POWER**

**NOTES TO FINANCIAL STATEMENTS (Continued)
For the Year Ended December 31, 2018**

NOTE E - DEFINED BENEFIT PENSION PLANS

Net Pension Liability: The net pension liability reported on the statement of net position represents a liability to employees for pensions. Pensions are a component of exchange transactions between an employer and its employees of salaries and benefits for employee services. Pensions are provided to an employee on a deferred-payment basis as part of the total compensation package offered by an employer for employee services each financial period. The obligation to sacrifice resources for pensions is a present obligation because it was created as a result of employment exchanges that already have occurred.

The net pension liability represents the Division's proportionate share of each pension plan's collective actuarial present value of projected benefit payments attributable to past periods of service, net of each pension plan's fiduciary net position. The net pension liability calculation is dependent on critical long-term variables, including estimated average life expectancies, earnings on investments, cost of living adjustments (COLA) and others. While these estimates use the best information available, unknowable future events require adjusting this estimate annually.

The ORC limits the Division's obligation for this liability to annually required payments. The Division cannot control benefit terms or the manner in which pensions are financed; however, the Division does receive the benefit of employees' services in exchange for compensation including pension.

GASB Statement No. 68 assumes the liability is solely the obligation of the employer, because (1) they benefit from employee services; and (2) State Statute requires all funding to come from these employers. All contributions to date have come solely from these employers (which also includes costs paid in the form of withholdings from employees). State Statute requires the pension plans to amortize unfunded liabilities within 30 years. If the amortization period exceeds 30 years, each pension plan's board must propose corrective action to the State legislature. Any resulting legislative change to benefits or funding could significantly affect the net pension liability. Resulting adjustments to the net pension liability would be effective when the changes are legally enforceable.

The proportionate share of each plan's unfunded benefits is presented as a long-term net pension liability on the accrual basis of accounting. Any liability for the contractually-required pension contribution outstanding at the end of the year is included in accrued wages and benefits on both the accrual and modified accrual bases of accounting.

Ohio Public Employees Retirement System (OPERS): The Division's employees, other than full-time police and firefighters, participate in OPERS. OPERS administers three separate pension plans. The Traditional Pension Plan is a cost-sharing, multiple-employer defined benefit pension plan. The Member-Directed Plan is a defined contribution plan and the Combined Plan is a cost-sharing, multiple-employer defined benefit pension plan with defined contribution features. While members (e.g. Division's employees) may elect the Member-Directed Plan and the Combined Plan, substantially all employee members are in OPERS' Traditional Plan; therefore, the following disclosure focuses on the Traditional Pension Plan.

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**NOTES TO FINANCIAL STATEMENTS (Continued)
For the Year Ended December 31, 2018**

NOTE E - DEFINED BENEFIT PENSION PLANS (Continued)

OPERS provides retirement, disability, survivor and death benefits and annual COLA to members of the Traditional Plan. Authority to establish and amend benefits is provided by Chapter 145 of the ORC. OPERS issues a stand-alone financial report that includes financial statements, required supplementary information and detailed information about OPERS' fiduciary net position that may be obtained by visiting <https://www.opers.org/financial/reports.shtml>, by writing to the OPERS, 277 East Town Street, Columbus, Ohio 43215-4642, or by calling (800) 222-7377.

Senate Bill (SB) 343 was enacted into law with an effective date of January 7, 2013. In the legislation, members were categorized into three groups with varying provisions of the law applicable to each group. The following table provides age and service requirements for retirement and the retirement formula applied to final average salary (FAS) for the three member groups under the traditional plan as per the reduced benefits adopted by SB 343 (see OPERS CAFR referenced above for additional information):

Group A	Group B	Group C
Eligible to retire prior to January 7, 2013 or five years after January 7, 2013	20 years of service credit prior to January 7, 2013 or eligible to retire ten years after January 7, 2013	Members not in other Groups and members hired on or after January 7, 2013
State and Local	State and Local	State and Local
Age and Service Requirements: Age 60 with 60 months of service credit or Age 55 with 25 years of service credit	Age and Service Requirements: Age 60 with 60 months of service credit or Age 55 with 25 years of service credit	Age and Service Requirements: Age 57 with 25 years of service credit or Age 62 with 5 years of service credit
Formula: 2.2% of FAS multiplied by years of service for the first 30 years and 2.5% for service years in excess of 30	Formula: 2.2% of FAS multiplied by years of service for the first 30 years and 2.5% for service years in excess of 30	Formula: 2.2% of FAS multiplied by years of service for the first 35 years and 2.5% for service years in excess of 35

FAS represents the average of the three highest years of earnings over a member's career for Groups A and B. Group C is based on the average of the five highest years of earnings over a member's career. Members who retire before meeting the age and years of service credit requirement for unreduced benefits receive a percentage reduction in the benefit amount.

When a benefit recipient has received benefits for 12 months, an annual COLA is provided. This COLA is calculated on the base retirement benefit at the date of retirement and is not compounded. For those retiring prior to January 7, 2013, the COLA will continue to be a 3.0% simple annual COLA. For those retiring subsequent to January 7, 2013, beginning in calendar year 2019, the COLA will be based on the average percentage increase in the Consumer Price Index, capped at 3.0%.

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**NOTES TO FINANCIAL STATEMENTS (Continued)
For the Year Ended December 31, 2018**

NOTE E - DEFINED BENEFIT PENSION PLANS (Continued)

Funding Policy: The ORC provides statutory authority for member and employer contributions. For 2018, member contribution rates were 10.0% and employer contribution rates were 14.0%.

Employer contribution rates are actuarially determined and are expressed as a percentage of covered payroll. The Division's contractually required contribution was \$2,456,000 for 2018. All required payments have been made.

Pension Liabilities, Pension Expense, Deferred Outflows of Resources and Deferred Inflows of Resources Related to Pensions: The net pension liability for OPERS was measured as of December 31, 2017 and the total pension liability used to calculate the net pension liability was determined by an actuarial valuation as of that date. Following is information related to the proportionate share and pension expense:

	OPERS	
	(Amounts in Thousands)	
Proportionate Share of the Net Pension Liability	\$	21,587
Proportion of the Net Pension Liability		0.125259%
Change in proportion		0.00055%
Pension Expense	\$	4,450

At December 31, 2018, the Division's reported deferred outflows of resources and deferred inflows of resources related to pensions from the following sources:

	OPERS	
	(Amounts in Thousands)	
Deferred Outflows of Resources		
Differences between expected and actual economic experience	\$	20
Change in Division's proportionate share		652
Change in assumptions		2,349
Division's contributions subsequent to the measurement date		2,456
Total Deferred Outflows of Resources	\$	5,477
Deferred Inflows of Resources		
Differences between expected and actual economic experience	\$	433
Net difference between projected and actual earnings on pension plan investments		3,894
Change in Division's proportionate share		303
Total Deferred Inflows of Resources	\$	4,630

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**NOTES TO FINANCIAL STATEMENTS (Continued)
For the Year Ended December 31, 2018**

NOTE E - DEFINED BENEFIT PENSION PLANS (Continued)

The \$2,456,000 reported as deferred outflows of resources related to pension resulting from the Division's contributions subsequent to the measurement date will be recognized as a reduction of the net pension liability in the year ending December 31, 2019. Other amounts reported as deferred outflows of resources and deferred inflows of resources related to pension will be recognized in pension expense as follows:

	OPERS	
	(Amounts in Thousands)	
Year Ending December 31:		
2019	\$	1,983
2020		43
2021		(1,871)
2022		(1,747)
2023		(6)
Thereafter		(11)
Total	\$	(1,609)

Actuarial Assumptions – OPERS: Actuarial valuations of an ongoing plan involve estimates of the values of reported amounts and assumptions about the probability of occurrence of events far into the future. Examples include assumptions about future employment, mortality and cost trends. Actuarially determined amounts are subject to continual review or modification as actual results are compared with past expectations and new estimates are made about the future.

Projections of benefits for financial reporting purposes are based on the substantive plan (the plan as understood by the employers and plan members) and include the types of benefits provided at the time of each valuation. The total pension liability in the December 31, 2017, actuarial valuation was determined using the following actuarial assumptions, applied to all periods included in the measurement:

Valuation Date	December 31, 2017
Wage Inflation	3.25%
Future Salary Increases, including inflation	3.25% to 10.75%
COLA or Ad Hoc COLA	3.25%, simple
	Pre 1/7/2013 retirees: 3%, simple
	Post 1/7/2013 retirees: 3%, simple
	through 2018, then 2.15%, simple
Investment Rate of Return	7.5%
Actuarial Cost Method	Individual Entry Age
Mortality Tables	RP-2014

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**NOTES TO FINANCIAL STATEMENTS (Continued)
For the Year Ended December 31, 2018**

NOTE E - DEFINED BENEFIT PENSION PLANS (Continued)

Pre-retirement mortality rates are based on the RP-2014 Employees Mortality Table for males and females, adjusted for mortality improvement back to the observation period base year of 2006. The base year for males and females was then established to be 2015 and 2010, respectively. Post-retirement mortality rates are based on the RP-2014 Healthy Annuitant Mortality Table for males and females, adjusted for mortality improvement back to the observation period base year of 2006. The base year for males and females was then established to be 2015 and 2010, respectively. Post-retirement mortality rates for disabled retirees are based on the RP-2014 Disabled Mortality Table for males and females, adjusted for mortality improvement back to the observation period base year of 2006. The base year for males and females was then established to be 2015 and 2010, respectively. Mortality rates for a particular calendar year are determined by applying the MP-2015 mortality improvement scale to all of the above described tables.

The most recent experience study was completed for the five year period ended December 31, 2015.

The long-term rate of return on defined benefit investment assets was determined using a building-block method in which best-estimate ranges of expected future real rates of return are developed for each major asset class. These ranges are combined to produce the long-term expected real rate of return by weighting the expected future real rates of return by the target asset allocation percentage, adjusted for inflation.

During 2017, OPERS managed investments in three investment portfolios: the Defined Benefit Portfolio, the Health Care Portfolio and the Defined Contribution Portfolio. The Defined Benefit Portfolio contains the investment assets for the Traditional Pension Plan, the defined benefit component of the Combined Plan and the annuitized accounts of the Member-Directed Plan. Within the Defined Benefit Portfolio, contributions into the plans are all recorded at the same time and benefit payments all occur on the first of the month. Accordingly, the money-weighted rate of return is considered to be the same for all plans within the Defined Benefit Portfolio. The annual money-weighted rate of return expressing investment performance, net of investment expenses and adjusted for the changing amounts actually invested, for the Defined Benefit Portfolio was 16.82% for 2017.

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**NOTES TO FINANCIAL STATEMENTS (Continued)
For the Year Ended December 31, 2018**

NOTE E - DEFINED BENEFIT PENSION PLANS (Continued)

The allocation of investment assets with the Defined Benefit Portfolio is approved by the Board of Trustees (the Board) as outlined in the annual investment plan. Plan assets are managed on a total return basis with a long-term objective of achieving and maintaining a fully funded status for the benefits provided through the defined benefit pension plans. The table below displays the Board-approved asset allocation policy for 2017 and the long-term expected real rates of return:

Asset Class	Target Allocation	Weighted Average Long-Term Expected Real Rate of Return (Arithmetic)
Fixed Income	23.00 %	2.20 %
Domestic Equities	19.00	6.37
Real Estate	10.00	5.26
Private Equity	10.00	8.97
International Equities	20.00	7.88
Other Investments	18.00	5.26
Total	100.00 %	5.66 %

Discount Rate: The discount rate used to measure the total pension liability was 7.5%. The projection of cash flows used to determine the discount rate assumed that contributions from plan members and those of the contributing employers are made at the contractually required rates, as actuarially determined. Based on those assumptions, the pension plan's fiduciary net position was projected to be available to make all projected future benefits payments of current plan members. Therefore, the long-term expected rate of return on pension plan investments was applied to all periods of projected benefit payments to determine the total pension liability.

Sensitivity of the Division's Proportionate Share of the Net Pension Liability to Changes in the Discount Rate: The following table presents the Division's proportionate share of the net pension liability calculated using the current period discount rate assumption of 7.5%, as well as what the Division's proportionate share of the net pension liability would be if it were calculated using a discount rate that is one-percentage-point lower (6.5%) or one-percentage-point higher (8.5%) than the current rate:

	1% Decrease 6.5%	Current Discount Rate 7.5%	1% Increase 8.5%
	(Amounts in Thousands)		
Division's proportionate share of the net pension liability	\$ 38,053	\$ 21,587	\$ 8,137

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**NOTES TO FINANCIAL STATEMENTS (Continued)
For the Year Ended December 31, 2018**

NOTE F – DEFINED BENEFIT OPEB PLANS

Net OPEB Liability: The net OPEB liability reported on the statement of net position represents a liability to employees for OPEB. OPEB is a component of exchange transactions between an employer and its employees of salaries and benefits for employee services. OPEB are provided to an employee on a deferred-payment basis as part of the total compensation package offered by an employer for employee services each financial period. The obligation to sacrifice resources for OPEB is a present obligation because it was created as a result of employment exchanges that already have occurred.

The net OPEB liability represents the Division's proportionate share of each OPEB plan's collective actuarial present value of projected benefit payments attributable to past periods of service, net of each OPEB plan's fiduciary net position. The net OPEB liability calculation is dependent on critical long-term variables, including estimated average life expectancies, earnings on investments, cost of living adjustments and others. While these estimates use the best information available, unknowable future events require adjusting these estimates annually.

The ORC limits the Division's obligation for this liability to annually required payments. The Division cannot control benefit terms or the manner in which OPEB are financed; however, the Division does receive the benefit of employees' services in exchange for compensation including OPEB.

GASB Statement No. 75 assumes the liability is solely the obligation of the employer, because they benefit from employee services. OPEB contributions come from these employers and health care plan enrollees which pay a portion of the health care costs in the form of a monthly premium. The ORC permits, but does not require the retirement systems to provide healthcare to eligible benefit recipients. Any change to benefits or funding could significantly affect the net OPEB liability. Resulting adjustments to the net OPEB liability would be effective when the changes are legally enforceable. The retirement systems may allocate a portion of the employer contributions to provide for these OPEB benefits.

The proportionate share of each plan's unfunded benefits is presented as a long-term net OPEB liability on the accrual basis of accounting. Any liability for the contractually-required OPEB contribution outstanding at the end of the year is included in accrued wages and benefits on both the accrual and modified accrual bases of accounting.

Plan Description – OPERS: OPERS administers three separate pension plans: the Traditional Pension Plan, a cost-sharing, multiple-employer Defined Benefit Pension Plan; the Member-Directed plan, a Defined Contribution Plan; and the Combined Plan, a cost-sharing, multiple-employer defined benefit pension plan that has elements of both a defined benefit and defined contribution plan.

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**NOTES TO FINANCIAL STATEMENTS (Continued)
For the Year Ended December 31, 2018**

NOTE F – DEFINED BENEFIT OPEB PLANS (Continued)

OPERS maintains a cost-sharing, multiple-employer defined benefit post-employment health care trust, which funds multiple health care plans including medical coverage, prescription drug coverage and deposits to a Health Reimbursement Arrangement to qualifying benefit recipients of both the Traditional Pension and the Combined Plans. This trust is also used to fund health care for Member-Directed Plan participants, in the form of a Retiree Medical Account (RMA). At retirement or refund, Member Directed Plan participants may be eligible for reimbursement of qualified medical expenses from their vested RMA balance.

In order to qualify for postemployment health care coverage, age and service retirees under the Traditional Pension and Combined Plans must have twenty or more years of qualifying Ohio service credit. Health care coverage for disability benefit recipients and qualified survivor benefit recipients is available. The health care coverage provided by OPERS meets the definition of OPEB as described in GASB Statement No. 75. See OPERS' CAFR referenced below for additional information.

The ORC permits, but does not require OPERS to provide health care to its eligible benefit recipients. Authority to establish and amend health care coverage is provided to the OPERS Board of Trustees (Board) in Chapter 145 of the ORC.

Disclosures for the health care plan are presented separately in the OPERS financial report. Interested parties may obtain a copy by visiting <https://www.opers.org/financial/reports.shtml>, by writing to OPERS, 277 East Town Street, Columbus, Ohio 43215-4642, or by calling 800-222-7377.

Funding Policy: The ORC provides the statutory authority requiring public employers to fund postemployment health care through their contributions to OPERS. When funding is approved by the Board, a portion of each employer's contribution to OPERS is set aside to fund OPERS health care plans.

Employer contribution rates are expressed as a percentage of the earnable salary of active members. In 2018, state and local employers contributed at a rate of 14.0% of earnable salary. This is the maximum employer contribution rates permitted by the ORC. Active member contributions do not fund health care.

Each year, the Board determines the portion of the employer contribution rate that will be set aside to fund health care plans. The portion of employer contributions allocated to health care for members in the Traditional Pension Plan and Combined Plan was 1.0% during calendar year 2017. As recommended by OPERS' actuary, the portion of employer contributions allocated to health care beginning January 1, 2018 decreased to 0.0% for both plans. The Board is also authorized to establish rules for the retiree or their surviving beneficiaries to pay a portion of the health care provided. Payment amounts vary depending on the number of covered dependents and the coverage selected. The employer contribution as a percentage of covered payroll deposited into the RMA for participants in the Member-Directed Plan for 2018 was 4.0%.

For the year ended December 31, 2018, OPERS did not allocate any employer contributions to the OPEB plan.

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**NOTES TO FINANCIAL STATEMENTS (Continued)
For the Year Ended December 31, 2018**

NOTE F – DEFINED BENEFIT OPEB PLANS (Continued)

OPEB Liabilities, OPEB Expense, Deferred Outflows of Resources and Deferred Inflows of Resources Related to OPEB: The net OPEB liability and total OPEB liability for OPERS were determined by an actuarial valuation as of December 31, 2016, rolled forward to the measurement date of December 31, 2017, by incorporating the expected value of health care cost accruals, the actual health care payment and interest accruals during the year. The Division's proportion of the net OPEB liability was based on the Division's share of contributions to the retirement plan relative to the contributions of all participating entities. Following is information related to the proportionate share and OPEB expense:

	OPERS
	(Amounts in Thousands)
Proportion of the Net OPEB Liability:	
Current Measurement Date	0.123223%
Prior Measurement Date	0.122500%
Change in Proportionate Share	0.000723%
Proportionate Share of the Net OPEB Liability	\$ 13,762
OPEB Expense	\$ 1,275

At December 31, 2018, the Division reported deferred outflows of resources and deferred inflows of resources related to OPEB from the following sources:

	OPERS
	(Amounts in Thousands)
Deferred Outflows of Resources	
Differences between expected and actual economic experience	\$ 10
Changes in assumptions	974
Changes in proportion and differences between Division contributions and proportionate share of contributions	293
Total Deferred Outflows of Resources	\$ 1,277
Deferred Inflows of Resources	
Net difference between projected and actual earnings on OPEB plan investments	\$ 997
Total Deferred Inflows of Resources	\$ 997

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**NOTES TO FINANCIAL STATEMENTS (Continued)
For the Year Ended December 31, 2018**

NOTE F – DEFINED BENEFIT OPEB PLANS (Continued)

Amounts reported as deferred outflows of resources and deferred inflows of resources related to OPEB will be recognized in OPEB expense as follows:

Year Ending December 31:	OPERS
	(Amounts in Thousands)
2019	\$ 361
2020	361
2021	(193)
2022	(249)
Total	\$ 280

Actuarial Assumptions – OPERS: Actuarial valuations of an ongoing plan involve estimates of the values of reported amounts and assumptions about the probability of occurrence of events far into the future. Examples include assumptions about future employment, mortality and cost trends. Actuarially determined amounts are subject to continual review or modification as actual results are compared with past expectations and new estimates are made about the future.

Projections of benefits for financial reporting purposes are based on the substantive plan and include the types of coverage provided at the time of each valuation and the historical pattern of sharing of costs between OPERS and plan members. The total OPEB liability was determined by an actuarial valuation as of December 31, 2016, rolled forward to the measurement date of December 31, 2017. The actuarial valuation used the following actuarial assumptions applied to all prior periods included in the measurement in accordance with the requirements of GASB Statement No. 74, *Financial Reporting for Postemployment Benefits Plans Other Than Pension Plans*:

Wage Inflation	3.25%
Projected Salary Increases, including wage inflation	3.25% to 10.75%
Single Discount Rate:	
Current Measurement Date	3.85%
Prior Measurement Date	4.23%
Investment Rate of Return	6.50%
Municipal Bond Rate	3.31%
Health Care Cost Trend Rate	7.50%, initial
	3.25%, ultimate in 2028
Actuarial Cost Method	Individual Entry Age

**CITY OF CLEVELAND, OHIO
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**NOTES TO FINANCIAL STATEMENTS (Continued)
For the Year Ended December 31, 2018**

NOTE F – DEFINED BENEFIT OPEB PLANS (Continued)

Pre-retirement mortality rates are based on the RP-2014 Employees Mortality Table for males and females, adjusted for mortality improvement back to the observation period base year of 2006. The base year for males and females was then established to be 2015 and 2010, respectively. Post-retirement mortality rates are based on the RP-2014 Healthy Annuitant Mortality Table for males and females, adjusted for mortality improvement back to the observation period base year of 2006. The base year for males and females was then established to be 2015 and 2010, respectively. Post-retirement mortality rates for disabled retirees are based on the RP-2014 Disabled Mortality Table for males and females, adjusted for mortality improvement back to the observation period base year of 2006. The base year for males and females was then established to be 2015 and 2010, respectively. Mortality rates for a particular calendar year are determined by applying the MP-2015 mortality improvement scale to all of the above described tables.

The most recent experience study was completed for the five year period ended December 31, 2015.

The long-term expected rate of return on health care investment assets was determined using a building-block method in which best-estimate ranges of expected future real rates of return are developed for each major asset class. These ranges are combined to produce the long-term expected real rate of return by weighting the expected future real rates of return by the target asset allocation percentage, adjusted for inflation.

During 2017, OPERS managed investments in three investment portfolios: the Defined Benefit Portfolio, the Health Care Portfolio and the Defined Contribution Portfolio. The Health Care Portfolio includes the assets for health care expenses for the Traditional Pension Plan, Combined Plan and Member-Directed Plan eligible members. Within the Health Care Portfolio, contributions into the plans are assumed to be received continuously throughout the year based on the actual payroll payable at the time contributions are made and health care-related payments are assumed to occur mid-year. Accordingly, the money-weighted rate of return is considered to be the same for all plans within the Health Care Portfolio. The annual money-weighted rate of return expressing investment performance, net of investment expenses and adjusted for the changing amounts actually invested, for the Health Care Portfolio was 15.2% for 2017.

The allocation of investment assets with the Health Care Portfolio is approved by the Board as outlined in the annual investment plan. Assets are managed on a total return basis with a long-term objective of continuing to offer a sustainable health care program for current and future retirees. OPERS' primary goal is to achieve and maintain a fully funded status for the benefits provided through the defined pension plans. Health care is a discretionary benefit. The table below displays the Board-approved asset allocation policy for 2017 and the long-term expected real rates of return:

<u>Asset Class</u>	<u>Target Allocation</u>	<u>Weighted Average Long-Term Expected Real Rate of Return (Arithmetic)</u>
Fixed Income	34.00 %	1.88 %
Domestic Equities	21.00	6.37
Real Estate Investment Trust	6.00	5.91
International Equities	22.00	7.88
Other Investments	17.00	5.39
Total	<u>100.00 %</u>	4.98 %

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**NOTES TO FINANCIAL STATEMENTS (Continued)
For the Year Ended December 31, 2018**

NOTE F – DEFINED BENEFIT OPEB PLANS (Continued)

Discount Rate: A single discount rate of 3.85% was used to measure the OPEB liability on the measurement date as of December 31, 2017. A single discount rate of 4.23% was used to measure the OPEB liability on the measurement date of December 31, 2016. Projected benefit payments are required to be discounted to their actuarial present value using a single discount rate that reflects (1) a long-term expected rate of return on OPEB plan investments (to the extent that the health care fiduciary net position is projected to be sufficient to pay benefits) and (2) tax-exempt municipal bond rate based on an index of 20-year general obligation bonds with an average AA credit rating as of the measurement date (to the extent that the contributions for use with the long-term expected rate are not met). This single discount rate was based on an expected rate of return on the health care investment portfolio of 6.5% and a municipal bond rate of 3.31%. The projection of cash flows used to determine this single discount rate assumed that employer contributions will be made at rates equal to the actuarially determined contribution rate. Based on these assumptions, the health care fiduciary net position and future contributions were sufficient to finance health care costs through 2034. As a result, the long-term expected rate of return on health care investments was applied to projected costs through the year 2034 and the municipal bond rate was applied to all health care costs after that date.

Sensitivity of the Division’s Proportionate Share of the Net OPEB Liability to Changes in the Discount Rate: The following table presents the Division’s proportionate share of the net OPEB liability calculated using the single discount rate of 3.85%, as well as what the Division’s proportionate share of the net OPEB liability would be if it were calculated using a discount rate that is one-percentage-point lower (2.85%) or one-percentage-point higher (4.85%) than the current rate:

	1% Decrease (2.85%)	Current Discount Rate (3.85%)	1% Increase (4.85%)
	(Amounts in Thousands)		
Division's proportionate share of the net OPEB liability	\$ 17,778	\$ 13,762	\$ 9,825

Sensitivity of the Division’s Proportionate Share of the Net OPEB Liability to Changes in the Health Care Cost Trend Rate: Changes in the health care cost trend rate may also have a significant impact on the net OPEB liability. The following table presents the net OPEB liability calculated using the assumed trend rates and the expected net OPEB liability if it were calculated using a health care cost trend rate that is one-percentage-point lower or one-percentage-point higher than the current rate.

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**NOTES TO FINANCIAL STATEMENTS (Continued)
For the Year Ended December 31, 2018**

NOTE F – DEFINED BENEFIT OPEB PLANS (Continued)

Retiree health care valuations use a health care cost-trend assumption that changes over several years built into the assumption. The near-term rates reflect increases in the current cost of health care; the trend starting in 2018 is 7.5%. If this trend continues for future years, the projection indicates that years from now virtually all expenditures will be for health care. A more reasonable alternative is that in the not-too-distant future, the health plan cost trend will decrease to a level at, or near, wage inflation. On this basis, the actuaries project premium rate increases will continue to exceed wage inflation for approximately the next decade, but by less each year, until leveling off at an ultimate rate, assumed to be 3.25% in the most recent valuation.

	Current Health Care Cost Trend Rate		
	1% Decrease (2.25%)	Assumption (3.25%)	1% Increase (4.25%)
	(Amounts in Thousands)		
Division's proportionate share of the net OPEB liability	\$ 12,803	\$ 13,762	\$ 13,979

NOTE G - CONTINGENT LIABILITIES AND RISK MANAGEMENT

Contingent Liabilities: The Division is a member of American Municipal Power (AMP) and has participated in the AMP Generating Station (AMPGS) Project. This project was intended to develop a pulverized coal power plant in Meigs County, Ohio. The Division's project share was 80,000 kilowatts (kW) of a total 771,281 kW, giving the City a 10.37% project share. The AMPGS Project required participants to sign "take or pay" contracts with AMP. As such, the participants are obligated to pay any costs incurred for the project. In November 2009, the participants voted to terminate the AMPGS Project due to projected escalating costs. All project costs incurred prior to the cancellation and related to the cancellation were therefore deemed impaired and participants were obligated to pay those incurred costs. Prior to 2014, payment of these costs was not required due to AMP's pursuit of legal action to collect them from Bechtel Corporation (Bechtel). As a result of a March 2014 legal ruling, the AMP Board of Trustees on April 15, 2014 and the AMPGS participants on April 16, 2014, approved the collection of the impaired costs and provided the participants with an estimate of their liability.

The Division's estimated share of the impaired costs at March 31, 2014, was \$13,813,694. The Division received a credit of \$6,447,719 related to their participation in the AMP Fremont Energy Center (AFEC) Project and another credit of \$3,617,994 related to the AMPGS costs deemed to have future benefit for the project participants, classified as Plant Held for Future Use (PHFU), leaving an estimated net impaired costs balance of \$3,747,981. Because payment is now probable and reasonably estimable, the Division is reporting a payable to AMP in its business-type activities and in its electric enterprise fund for these impaired costs. AMP financed these costs on its revolving line of credit. Any additional costs (including line-of-credit interest and legal fees) or amounts received related to the project will impact the Division's net impaired cost balance either positively or negatively. These amounts will be recorded as they become estimable.

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**NOTES TO FINANCIAL STATEMENTS (Continued)
For the Year Ended December 31, 2018**

NOTE G - CONTINGENT LIABILITIES AND RISK MANAGEMENT (Continued)

In late 2016, AMP reached a settlement in the Bechtel litigation. On December 8, 2016, at the AMPGS Participants meeting, options for the allocation of the Settlement funds were approved. The AMPGS Participants and the AMP Board of Trustees voted to allocate the Settlement among the participants and the AMP General Fund based on each participant's original project share in kW including the AMP General Fund's project share.

Since March 31, 2014, the Division has made payments of \$1,707,835 to AMP toward its net impaired cost estimate. Also since March 31, 2014, the Division's allocation of additional costs incurred by the project is \$166,174 and interest expense incurred on AMP's line-of-credit of \$208,912. As part of the Bechtel Settlement, the Division received a credit of \$394,149 against its stranded cost liability, resulting in a net impaired cost estimate at December 31, 2018, of \$2,021,083. The Division does have a potential PHFU Liability of \$3,899,873 resulting in a net total potential liability of \$5,920,956, assuming the assets making up the PHFU (principally the land comprising the Meigs County site) has no value and also assuming the Division's credit balance would earn zero interest. Stranded costs as well as PHFU costs are subject to change, including future borrowing costs on the AMP line of credit. Activities include negative items such as property taxes as well as positive items like revenue from leases or sale of all or a portion of the Meigs County site property.

The Division intends to recover these costs and repay AMP over the next 11 years through a power cost adjustment, thus this incurred cost has been capitalized and reported as a regulated asset, as allowed by GASB Statement No. 65, *Items Previously Reported as Assets and Liabilities*. The Division intends to recover 50% of these costs from the customers through the Energy Adjustment Charge passed along to customer's monthly bills.

In addition, various claims are pending against the City involving the Division for personal injuries, property damage and other matters, which the City is responsible for. The City's management is of the opinion that ultimate settlement of such claims will not result in a material adverse effect on the Division's financial position, results of operations or cash flows.

Risk Management: The Division is exposed to various risks of loss related to torts; thefts of, damage to and destruction of assets; errors and omissions; injuries to employees; and natural disasters. The Division carries insurance to cover particular liabilities and property protection. Otherwise, the Division is generally self-insured. There were no significant decreases in any insurance coverage in 2018.

The City provides the choice of two separate health insurance plans to its employees. The operating funds are charged a monthly rate per employee by type of coverage. The City participates in the State of Ohio workers' compensation retrospective rating program.

**CITY OF CLEVELAND, OHIO
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**NOTES TO FINANCIAL STATEMENTS (Continued)
For the Year Ended December 31, 2018**

NOTE G - CONTINGENT LIABILITIES AND RISK MANAGEMENT (Continued)

In accordance with GASB Statement No. 10, *Accounting and Financial Reporting for Risk Financing and Related Insurance Issues*, claims liabilities are reported when it is probable that a loss has occurred and the amount of the loss can be reasonably estimated. Liabilities include an amount for claims that have been incurred but not reported. The result of the process to estimate the claims liability is not an exact amount as it depends on many complex factors, such as inflation, changes in legal doctrines and damage awards. Accordingly, claims are re-evaluated periodically to consider the effects of inflation, recent claim settlement trends (including frequency and amount of pay-outs) and other economic and social factors.

The estimate of the claims liability also includes amounts for incremental claim adjustment expenses related to specific claims and other claim adjustment expenses, regardless of whether allocated to specific claims. Estimated recoveries, for example from salvage or subrogation, are another component of the claims liability estimate. Claims liability for the Division is reported as part of accounts payable on the statement of net position and is immaterial.

NOTE H - RELATED PARTY TRANSACTIONS

Revenues and Accounts Receivable: The Division provides services to the City, including its various departments and divisions. The usual and customary rates are charged to all City departments and divisions.

Operating Expenses: The Division is provided various intra-city services. Charges are based on actual use or on a reasonable pro-rata basis. The more significant costs for the year ended December 31, 2018, are as follows:

(Amounts in Thousands)		
Telephone Exchange	\$	2,189
Utilities Administration and Fiscal Control		2,069
City Administration		1,670
Division of Water		445
Motor Vehicle Maintenance		355

**CITY OF CLEVELAND, OHIO
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**NOTES TO FINANCIAL STATEMENTS (Continued)
For the Year Ended December 31, 2018**

NOTE I - CUYAHOGA COUNTY REAL PROPERTY TAXES

The Division is required by ordinance to keep records of the estimated property taxes which would be payable to Cuyahoga County were it subject to such taxes. The estimated property taxes for the Division, based on book value of real estate at the current tax rates, would have been approximately \$1,196,000 for the year ended December 31, 2018.

NOTE J - KILOWATT PER HOUR TAX

In May 2001, the Division started billing its customers the electric deregulation kilowatt-hour tax according to the laws of the State of Ohio. This law requires the Division to remit the proceeds to the City's General Fund, except for any proceeds attributable to sales outside the City which are remitted to the State of Ohio. The Division billed \$5,485,000 for this tax in 2018, of which \$7,191 was remitted to the State. Ordinance No. 1311-17, passed April 3, 2017, directed that 100% of the proceeds go to the Division in 2018 and 2019.

NOTE K – RESTATEMENT OF NET POSITION

For 2018, the Division implemented GASB Statement No. 75, *Accounting and Financial Reporting for Postemployment Benefits Other than Pensions*. It established standards for measuring and recognizing postemployment benefits other than pension, deferred outflows of resources, deferred inflows of resources and expense/expenditure. The implementation of GASB Statement No. 75 had the following effect on net position as reported December 31, 2017:

	Net Position		Restated	
	December 31, 2017	Restatement	Net Position	December 31, 2017
	(Amounts in Thousands)			
Beginning net position	\$ 199,901	\$ (12,206)	\$	187,695

**CITY OF CLEVELAND
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Required Supplementary Information

**Schedule of the Division's Proportionate Share of the Net Pension Liability
Ohio Public Employees Retirement System
Last Five Measurement Years (1), (2)**

	2018	2017	2016	2015	2014
	(Amounts in Thousands)				
Division's Proportion of the Net Pension Liability	0.125259%	0.124709%	0.139410%	0.136385%	0.136385%
Division's Proportionate Share of the Net Pension Liability (Asset)	\$ 21,587	\$ 29,488	\$ 23,597	\$ 16,397	\$ 16,054
Division's Covered Payroll	\$ 16,769	\$ 16,542	\$ 17,775	\$ 17,067	\$ 15,462
Division's Proportionate Share of the Net Pension Liability (Asset) as a Percentage of its Covered Payroll	128.73%	178.26%	132.75%	96.07%	103.83%
Plan Fiduciary Net Position as a Percentage of the Total Pension Liability	84.66%	77.25%	81.08%	86.45%	86.36%

- (1) Information presented for each year was determined as of the Division's measurement date, which is the prior year end.
- (2) Information prior to 2014 is not available. The Division will continue to present information for years available until a full ten-year trend is compiled.

Note to Schedule:

Change in assumptions. In 2017, changes in assumptions were made based upon an updated experience study that was completed for the five-year period ended December 31, 2015. Significant changes included a reduction of the discount rate from 8.0% to 7.5%, a reduction in the wage inflation rate from 3.75% to 3.25% and transition from the RP-2000 mortality tables to the RP-2014 mortality tables.

**CITY OF CLEVELAND
DEPARTMENT OF PUBLIC UTILITIES
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Required Supplementary Information (Continued)

**Schedule of Contributions - Net Pension Liability
Ohio Public Employees Retirement System
Last Six Years (1)**

	2018	2017	2016	2015	2014	2013
	(Amounts in Thousands)					
Contractually Required Contributions	\$ 2,456	\$ 2,180	\$ 1,985	\$ 2,133	\$ 2,048	\$ 2,010
Contributions in Relation to the Contractually Required Contributions	<u>(2,456)</u>	<u>(2,180)</u>	<u>(1,985)</u>	<u>(2,133)</u>	<u>(2,048)</u>	<u>(2,010)</u>
Contribution Deficiency (Excess)	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
Division's Covered Payroll	\$ 17,543	\$ 16,769	\$ 16,542	\$ 17,775	\$ 17,067	\$ 15,462
Contributions as a Percentage of Covered Payroll	14.00%	13.00%	12.00%	12.00%	12.00%	13.00%

(1) Represents Division's calendar year. Information prior to 2013 is not available. The Division will continue to present information for years available until a full ten-year trend is compiled.

**CITY OF CLEVELAND
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Required Supplementary Information (Continued)

**Schedule of the Division's Proportionate Share of the Net OPEB Liability
Ohio Public Employees Retirement System
Last Two Measurement Years (1), (2)**

	2018	2017
	(Amounts in Thousands)	
Division's Proportion of the Net OPEB Liability	0.123223%	0.122500%
Division's Proportionate Share of the Net OPEB Liability	\$ 13,762	\$ 12,374
Division's Covered Payroll	\$ 16,769	\$ 16,542
Division's Proportionate Share of the Net OPEB Liability as a Percentage of its Covered Payroll	82.07%	74.80%
Plan Fiduciary Net Position as a Percentage of the Total OPEB Liability	54.14%	54.04%

(1) Information presented for each year was determined as of the Division's measurement date, which is the prior year end.

(2) Information prior to 2017 is not available. The Division will continue to present information for years available until a full ten-year trend is compiled.

Note to Schedule:

For 2018, the single discount rate changed from 4.23% to 3.85%.

**CITY OF CLEVELAND
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Required Supplementary Information (Continued)

**Schedule of Contributions - Net OPEB Liability
Ohio Public Employees Retirement System
Last Three Years (1), (2), (3)**

	2018	2017	2016
	(Amounts in Thousands)		
Contractually Required Contributions	\$ -	\$ 168	\$ 331
Contributions in Relation to the Contractually Required Contributions	<u>-</u>	<u>(168)</u>	<u>(331)</u>
Contribution Deficiency (Excess)	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
Division's Covered Payroll	\$ 17,543	\$ 16,769	\$ 16,542
Contributions as a Percentage of Covered Payroll	0.00%	1.00%	2.00%

(1) Beginning in 2016, OPERS used one trust as the funding vehicle for all health care plans; therefore, information prior to 2016 is not presented.

(2) The OPEB plan includes the members from the Traditional Plan, the Combined Plan and the Member-Directed Plan.

(3) Represents Division's calendar year. Information prior to 2016 is not available. The Division will continue to present information for years available until a full ten year trend is compiled.