CHICAGO TRANSIT AUTHORITY
CHICAGO, ILLINOIS

FINANCIAL STATEMENTS AND SUPPLEMENTARY INFORMATION

Years Ended December 31, 2019 and 2018

(With Independent Auditor's Report Thereon)

CHICAGO TRANSIT AUTHORITY
Chicago, Illinois

FINANCIAL STATEMENTS
Years Ended December 31, 2019 and 2018

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INDEPENDENT AUDITOR'S REPORT

Chicago Transit Board
Chicago Transit Authority
Chicago, Illinois

Report on the Financial Statements

We have audited the accompanying financial statements of the business-type activities and fiduciary activities of the Chicago Transit Authority (CTA), as of and for the years ended December 31, 2019 and 2018, and the related notes to the financial statements, which collectively comprise the CTA's basic financial statements as listed in the table of contents.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

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

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the CTA'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 CTA's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

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

Opinions

In our opinion, the financial statements referred to above present fairly, in all material respects, the respective financial position of the business-type activities and fiduciary activities of the CTA, as of December 31, 2019 and 2018, and the respective changes in its financial position and, where applicable, cash flows thereof for the years then ended in accordance with accounting principles generally accepted in the United States of America.

(Continued)

Emphasis of Matter

As discussed in Note 19 to the financial statements, the financial impact of COVID-19 will impact subsequent periods of the CTA. 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 required supplementary information, as listed in the table of contents, be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by 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.

Supplementary Information

Our audits was conducted for the purpose of forming opinions on the financial statements that collectively comprise the CTA's basic financial statements. The accompanying supplementary schedules of expenses and revenues – budget and actual for the years ended December 31, 2019 and 2018, as listed in the table of contents, are presented for purposes of additional analysis and are not a required part of the basic financial statements.

The accompanying supplementary schedules of expenses and revenues – budget and actual for the years ended December 31, 2019 and 2018 are the responsibility of management and were derived from and relate directly to the underlying accounting and other records used to prepare the basic financial statements. Such information has been subjected to the auditing procedures applied in the audits of the basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the accompanying supplementary schedules of expenses and revenues – budget and actual for the years ended December 31, 2019 and 2018 are fairly stated, in all material respects, in relation to the basic financial statements as a whole.

Other Reporting Required by *Government Auditing Standards*

In accordance with *Government Auditing Standards,* we have also issued our report dated April 29, 2020 on our consideration of the CTA's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the CTA's internal control over financial reporting and compliance.

Crowe LLP

Crowe LLP

Chicago, Illinois
April 29, 2020

Introduction

The following discussion and analysis of the financial performance and activity of the Chicago Transit Authority (CTA) provide an introduction and understanding of the basic financial statements of the CTA for the fiscal years ended December 31, 2019 and 2018. This discussion was prepared by management and should be read in conjunction with the financial statements and the notes thereto, which follow this section.

Financial Highlights for 2019

- Net position totaled ($886,163,000) at December 31, 2019.
- Net position decreased $115,208,000 in 2019 which compares to a decrease of $137,645,000 in 2018.
- Total net capital assets were $5,059,929,000 at December 31, 2019, an increase of 2.50% over the balance at December 31, 2018 of $4,936,546,000.

Financial Highlights for 2018

- Net position totaled ($770,955,000) at December 31, 2018.
- Net position decreased $137,645,000 in 2018, which compares to a decrease of $210,071,000 in 2017.
- Total net capital assets were $4,936,546,000 at December 31, 2018, an increase of 0.58% over the balance at December 31, 2017 of $4,907,988,000.

The Financial Statements

The basic financial statements provide information about the CTA's business-type activities and the Qualified Supplemental Retirement Fund (fiduciary activities). The financial statements are prepared in accordance with U.S. generally accepted accounting principles as promulgated by the Governmental Accounting Standards Board (GASB).

Overview of the Financial Statements for Business-Type Activities

The financial statements consist of the (1) Statements of Net Position, (2) Statements of Revenues, Expenses, and Changes in Net Position, (3) Statements of Cash Flows, and (4) Notes to the Financial Statements. The financial statements are prepared on the accrual basis of accounting, meaning that all expenses are recorded when incurred and all revenues are recognized when earned, in accordance with U.S. generally accepted accounting principles.

Statements of Net Position

The Statements of Net Position reports all financial and capital resources for the CTA (excluding fiduciary activities). The statements are presented in the format where assets, plus deferred outflows of resources, less liabilities, less deferred inflows of resources, equals net position, formerly known as equity. Assets and liabilities are presented in order of liquidity and are classified as current (convertible into cash within one year) and noncurrent. The focus of the Statements of Net Position is to show a picture of the liquidity and health of the organization as of the end of the year.

The Statements of Net Position are designed to present the net available liquid (noncapital) assets, deferred outflows of resources, net of liabilities, and deferred inflows of resources for the entire CTA. Net position is reported in three categories:

- *Net Investment in Capital Assets—This component of net position consists of all capital assets, net of accumulated depreciation, reduced by the outstanding balances of any bonds, notes, or other borrowings that are attributable to the acquisition, construction, or improvement of those assets.*
- *Restricted—This component of net position consists of restricted assets where constraints are placed upon the assets by creditors (such as debt covenants), grantors, contributors, laws, and regulations, etc.*
- *Unrestricted—This component consists of net position that does not meet the definition of net investment in capital assets, or a restricted component of net position.*

Statements of Revenues, Expenses, and Changes in Net Position

The Statements of Revenues, Expenses, and Changes in Net Position includes operating revenues, such as bus and rail passenger fares, rental fees received from concessionaires, and the fees collected from advertisements on CTA property; operating expenses, such as costs of operating the mass transit system, administrative expenses, and depreciation on capital assets; and nonoperating revenue and expenses, such as grant revenue, investment income, and interest expense. The focus of the Statements of Revenues, Expenses, and Changes in Net Position is the changes in net position. This is similar to net income or loss and portrays the results of operations of the organization for the entire operating period.

Statements of Cash Flows

The Statements of Cash Flows discloses net cash provided by or used for operating activities, investing activities, noncapital financing activities, and from capital and related financing activities.

Notes to Financial Statements

The Notes to Financial Statements are an integral part of the basic financial statements and describe the organization, budget, significant accounting policies, related-party transactions, deposits and investments, restrictions on deposits and investments, capital assets, capital lease obligations, bonds payable, long-term liabilities, defined-benefit pension plans, other post-employment benefits, derivative financial instruments, and the commitments and contingencies. The reader is encouraged to review the notes in conjunction with the management discussion and analysis and the financial statements.

Financial Analysis of the CTA's Business-Type Activities

Statements of Net Position

The following table reflects a condensed summary of assets, deferred outflows of resources, liabilities, deferred inflows of resources, and net position of the CTA as of December 31, 2019, 2018, and 2017:

Table 1
Summary of Assets, Deferred Outflows of Resources, Liabilities,
Deferred Inflows of Resources, and Net Position
December 31, 2019, 2018, and 2017
(In thousands of dollars)

	2019	2018	2017
Assets:			
Current assets	$ 633,635	$ 696,275	$ 755,984
Capital Assets, net	5,059,929	4,936,546	4,907,988
Noncurrent assets	354,624	430,392	588,218
Total assets	6,048,188	6,063,213	6,252,190
Total deferred outflows of resources	312,255	185,039	300,954
Total assets and deferred outflows of resouces	$ 6,360,443	$ 6,248,252	$ 6,553,144
Liabilities:			
Current liabilities	$ 847,915	$ 758,276	$ 852,902
Long-term liabilities	6,378,597	6,260,931	6,326,088
Total liabilities	7,226,512	7,019,207	7,178,990
Total deferred inflows of resources	20,094	-	1,000
Net position			
Net investment in capital assets	2,372,455	2,510,818	2,541,407
Restricted:			
Payment of leasehold obligations	2,227	2,297	4,631
Debt service	71,631	70,804	72,453
Unrestricted (deficit)	(3,332,476)	(3,354,874)	(3,245,337)
Total net position	(886,163)	(770,955)	(626,846)
Total liabilities, deferred inflows of resources, and net position	$ 6,360,443	$ 6,248,252	$ 6,553,144

Year Ended December 31, 2019

Current assets decreased by $62,640,000 primarily due to lower operating and capital receivable balances.

Capital assets (net) increased by $123,383,000 or 2.50% to $5,059,929,000 due to more capital funding. The CTA's capital improvement projects were funded primarily by the Federal Transit Administration (FTA), U.S. Department of Transportation, the Illinois Department of Transportation (IDOT), the Regional Transportation Authority (RTA), and CTA bonds.

Other non-current assets decreased by 17.60% to $354,624,000 due to capital spending of bond proceeds.

Current liabilities increased 11.82% to $847,915,000 primarily due to the capital line of credit balance due in 2020.

Long-term liabilities increased by $117,666,000 or 1.88% to $6,378,597,000. The increase is primarily due to increases in the net pension liability associated with the employee pension plan in accordance with GASB 68 and in the capital lines of credit.

Net investment in capital assets consists of capital assets, net of accumulated depreciation, and reduced by the amount of outstanding indebtedness attributable to the acquisition, construction, or improvement of those assets.

The net position balances restricted for other purposes include amounts restricted for two distinct purposes. The first restriction is for the assets restricted for future payments on the lease obligations. The second restriction is for the assets restricted for debt service payments.

The deficit in unrestricted net position, represents assets available for operations, increased 2.81% over the prior year.

Year Ended December 31, 2018

Current assets decreased by $59,709,000 primarily due to lower cash and investment balances.

Capital assets (net) increased by $28,558,000 or 0.58% to $4,936,546,000 due to more capital funding. The CTA's capital improvement projects were funded primarily by the Federal Transit Administration (FTA), U.S. Department of Transportation, the Illinois Department of Transportation (IDOT), the Regional Transportation Authority (RTA), and CTA bonds.

Other non-current assets decreased by 26.83% to $430,392,000 due to the termination of the 1998-JH Green Line lease/leaseback transaction and capital spending of bond proceeds.

Current liabilities decreased 11.09% to $758,276,000 primarily due to the termination of the 1998-JH Green Line lease/leaseback transaction.

Long-term liabilities decreased by $65,157,000 or 1.03% to $6,260,931,000. The decrease is primarily due to decreases in bonds payable and in the net pension liability associated with the employee pension plan in accordance with GASB 68.

Net investment in capital assets consists of capital assets, net of accumulated depreciation, and reduced by the amount of outstanding indebtedness attributable to the acquisition, construction, or improvement of those assets.

The net position balances restricted for other purposes include amounts restricted for two distinct purposes. The first restriction is for the assets restricted for future payments on the lease obligations. The second restriction is for the assets restricted for debt service payments.

The deficit in unrestricted net position, represents assets available for operations, increased 3.38% over the prior year.

Statements of Revenues, Expenses, and Changes in Net Position

The following table reflects a condensed summary of the revenues, expenses, and changes in net position (in thousands) for the years ended December 31, 2019, 2018, and 2017:

Table 2
Condensed Summary of Revenues, Expenses, and Changes in Net Position
Years ended December 31, 2019, 2018, and 2017
(In thousands of dollars)

	2019	2018	2017
Operating revenues	$ 654,009	$ 656,076	$ 608,465
Operating expenses:			
Operating expenses	1,451,594	1,435,054	1,417,786
Depreciation	500,475	459,447	489,895
Total operating expenses	1,952,069	1,894,501	1,907,681
Operating loss	(1,298,060)	(1,238,425)	(1,299,216)
Nonoperating revenues:			
Public funding from the RTA	818,211	809,352	778,462
Build America Bond subsidy	10,127	10,090	10,052
Interest revenue from leasing transactions	-	-	5,054
Other nonoperating revenues	42,400	39,112	36,263
Total nonoperating revenues	870,738	858,554	829,831
Nonoperating expenses	(190,124)	(198,936)	(209,572)
Change in net position before capital contributions	(617,446)	(578,807)	(678,957)
Capital contributions	502,238	441,162	468,886
Change in net position	(115,208)	(137,645)	(210,071)
Total net position, beginning of year	(770,955)	(633,310)	(416,775)
Total net position, end of year	$ (886,163)	$ (770,955)	$ (626,846)

Year Ended December 31, 2019

Total operating revenues decreased by $2,067,000, or 0.32% primarily due to a decrease in farebox revenue.

Farebox and pass revenue decreased $3,494,000 primarily due to lower ridership. CTA's ridership decreased by 2.8% or 12.9 million rides over the prior year. CTA's average fare of $1.29 was $0.03 higher than 2018.

In 2019, CTA provided approximately 67,786,000 free rides, an increase of 1,634,000 or 2.47% over 2018. The Illinois General Assembly passed legislation to allow senior citizens aged 65 and over who live in the RTA service region to take free fixed route public transit rides on CTA, Metra and Pace beginning March 17, 2008. The Chicago City Council passed an ordinance to provide free CTA rides for active military personnel beginning May 1, 2008 and disabled veterans beginning August 1, 2008. The Illinois General Assembly also enacted legislation to require free rides on fixed-route transit to be made available to any Illinois resident who has been enrolled as a person with a disability in the Illinois Circuit Breaker program. In 2011, the free ride program was modified to subject the participants to a means test. Under this program seniors who do not qualify to ride free pay a reduced fare.

Total operating expenses increased $57,568,000, or 3.04%. The increase is primarily driven by higher depreciation and labor expense. Labor expense increased $47,017,000 primarily due to an increase in actuarial estimates for pension costs. Depreciation expense increased $41,028,000.

Year Ended December 31, 2018

Total operating revenues increased by $47,611,000, or 7.82% primarily due to increases in both farebox and pass revenue in addition to the new City of Chicago ride-hailing fee.

Farebox and pass revenue increased $29,297,000 primarily due to the fare increase in 2018. CTA's ridership decreased by 2.4% or 11.4 million rides over the prior year. CTA's average fare of $1.26 was $0.09 higher than 2018.

In 2018, CTA provided approximately 66,152,000 free rides, a decrease of 1,135,000 or 1.69% over 2018. The Illinois General Assembly passed legislation to allow senior citizens aged 65 and over who live in the RTA service region to take free fixed route public transit rides on CTA, Metra and Pace beginning March 17, 2008. The Chicago City Council passed an ordinance to provide free CTA rides for active military personnel beginning May 1, 2008 and disabled veterans beginning August 1, 2008. The Illinois General Assembly also enacted legislation to require free rides on fixed-route transit to be made available to any Illinois resident who has been enrolled as a person with a disability in the Illinois Circuit Breaker program. In 2011, the free ride program was modified to subject the participants to a means test. Under this program seniors who do not qualify to ride free pay a reduced fare.

Total operating expenses decreased $13,180,000, or 0.69%. The decrease is primarily driven by lower depreciation and labor expense. Labor expense decreased $12,360,000 due to a decrease in actuarial estimates for pension costs. Depreciation expense decreased $30,448,000.

Table 3, which follows, provides a comparison of amounts for these items:

Table 3
Operating Revenues and Expenses
Years ended December 31, 2019, 2018, and 2017
(In thousands of dollars)

	2019	2018	2017
Operating Revenues:			
Farebox revenue	$ 350,992	$ 359,614	$ 347,368
Pass revenue	234,305	229,177	212,126
Total farebox and pass revenue	585,297	588,791	559,494
Advertising and concessions	38,987	37,844	34,379
Other revenue	29,725	29,441	14,592
Total operating revenues	$ 654,009	$ 656,076	$ 608,465
Operating Expenses:			
Labor and fringe benefits	$ 1,163,529	$ 1,116,512	$ 1,128,872
Materials and supplies	67,652	90,474	83,783
Fuel	40,396	32,079	28,757
Electric power	31,560	31,162	27,373
Purchase of security services	14,920	17,502	17,041
Other	104,801	111,677	107,314
Operating expense before provisions	1,422,858	1,399,406	1,393,140
Provision for injuries and damages	28,736	35,648	24,646
Provision for depreciation	500,475	459,447	489,895
Total operating expenses	$ 1,952,069	$ 1,894,501	$ 1,907,681

Capital Asset and Debt Administration

Capital Assets

The CTA has $13,204,811,000 in capital assets, including buildings, vehicles, elevated railways, signal and communication equipment, as well as other equipment as of December 31, 2019 recorded at historical cost. Net of accumulated depreciation, the CTA's capital assets at December 31, 2019 totaled $5,059,929,000. This amount represents a net increase (including additions and disposals, net of depreciation) of $123,383,000, or 2.50%, over the December 31, 2018 balance primarily due to an increase in capital funding.

The CTA has $12,654,553,000 in capital assets, including buildings, vehicles, elevated railways, signal and communication equipment, as well as other equipment as of December 31, 2018 recorded at historical cost. Net of accumulated depreciation, the CTA's capital assets at December 31, 2018 totaled $4,936,546,000. This amount represents a net increase (including additions and disposals, net of depreciation) of $28,558,000 or 0.58%, over the December 31, 2017 balance primarily due to an increase in capital funding.

Additional information on the capital assets and construction commitments can be found in note 6 and note 18, respectively, of the audited financial statements.

Debt Administration

Long-term debt includes capital lease obligations payable, accrued pension costs, bonds payable, certificates of participation, and fare collection purchase agreement.

At December 31, 2019, the CTA had $67,867,000 in capital lease obligations outstanding, a decrease from the prior year due to principal payments on lease transactions. The bonds payable liability decreased by $97,860,000 primarily due to debt service payments. Current liabilities increased 11.82% to $847,915,000 primarily due to the capital line of credit balance due in 2020. Long-term liabilities increased by $117,666,000 or 1.88% to $6,378,597,000. The increase is primarily due to increases in the net pension liability associated with the employee pension plan in accordance with GASB 68 and in the capital lines of credit.

At December 31, 2018, the CTA had $83,518,000 in capital lease obligations outstanding, a decrease from the prior year due to principal payments on lease transactions. The bonds payable liability decreased by $91,625,000 primarily due to debt service payments. Current liabilities decreased 11.09% to $758,276,000 primarily due to the termination of the 1998-JH Green Line lease/leaseback transaction. Long-term liabilities decreased by $65,157,000 or 1.03% to $6,260,931,000. The decrease is primarily due to decreases in bonds payable and in the net pension liability associated with the employee pension plan in accordance with GASB 68.

Additional information on the debt activity can be found in notes 7, 8, 9, 10, 11, and 12 of the audited financial statements.

2020 Budget and Economic Factors

On November 20, 2019, the CTA Board adopted the fiscal Year 2020 operating budget of $1.570 billion and capital budget of $5.1 billion. After adoption, the budgets were submitted to and approved by the RTA Board (the regional oversight agency) on December 19, 2019. The 2020 operating budget maintains bus and rail service levels while the capital budget continues historic investments to modernize and improve the customer experience.

In 2020, the CTA operating budget includes more than $25 million in cost savings and operational efficiencies. Among the cost containment measures are freezing hiring for 200 positions, an increase of 50 positions from 2019, locking in fuel and power costs at historically low prices, and strategic use of capital funds to reduce operating expenses. Since 2015, the CTA has achieved more than $150 million in cost-cutting savings, operational efficiencies and additional non-farebox revenue.

The cost savings that have been implement this year alone will not address entirely the agency's financial challenges. The CTA has been subject to multiple financial pressures and conditions outside the agency's control in recent years. The first is the unexpected State of Illinois operating funding cuts that has led to a combined $180 million in lost funding through 2020. The second factor is that CTA's cost for pension obligations will continue to increase for 2020 due to actuarial requirements to maintain the needed funding ratio per Illinois state law. Finally, ridership and fare revenue loss from new mobility competitors has contributed to a net loss of 48 million rides between 2015 and 2018.

The Proposed 2020 Operating Budget is balanced between expenses, system generated revenues, and public funding. CTA continues to maintain existing service levels while holding fares constant, even as the State funding reductions continue to impact revenues.

The 2020 Operating budget is 1.2% higher than the 2019 budget, due to pension and health care costs, certain contractual wage increases for union employees, along with higher fuel costs. The major assumptions outlined in the 2020 budget include enhancing capital maintenance programs to improve service and reliability while maintaining existing fares and service levels. Increases in expenditures were offset in part by 2019 cost reduction measures.

System-generated revenue is projected to be $695.7 million in 2020, representing a 1.71% decrease from 2019 budget. CTA anticipates a modest decrease in fare revenue in 2020 from 2019 budget as ridership declined more than anticipated in 2019 due to unfavorable weather, planned construction and increased competition from the ride-hailing industry. Since 2018, CTA receives $16.0 million per year from the ride-hailing fee imposed by the City of Chicago. Funds are generated from the Ground Transportation Tax (GTT) to support capital improvements.

Public funding is projected to be $874.8 million, representing a 3.6% increase over 2019 budget. Per the Regional Transit Authority (RTA), which sets public funding estimates for the three service boards (CTA, Metra and Pace), net regional sales taxes are expected to grow by 2.9 percent in 2020.

The Chicago-area unemployment rate has dropped from as high as 10.4 percent in 2010 to 3.7 percent in 2019. The total number of non-farm employed in the Chicago region is 4.85 million as of November 2019; and reflects a 1.8 percent increase in payroll in the Chicago area from 2017 to 2019 year-to-date. This is the ninth consecutive year of gains in employment and the highest total since 2008, before the recession.

CTA's 2020 budget is aligned with CTA's strategic priorities of safety, customer experience and workforce development.

Safety and Security initiatives include the ongoing five year multi-faceted program aimed at increasing safety across the system. As part of this program, CTA will add 1,000 new cameras and upgrade more than 3,800 older-model cameras throughout the system to high-definition (HD). New cameras will be installed at more than 100 CTA bus turnaround locations, and video monitors will be added to all CTA rail stations to aid personnel in monitoring station and customer activity. New lighting, repairs and other improvements will also enhance safety at about 100 CTA rail stations.

CTA continues to enhance the customer experience through a number of initiatives such that include the following: (1) "Fast Tracks" a targeted multi-year program of track repairs and maintenance that provides faster commutes and smoother rides for 'L' customers, reducing and preventing slow zones on the rail system; (2) Planning to launch with the Chicago Department of Transportation a program of nine Bus Priority Zones aimed at improving bus speed and reliability. Bus Priority Zones target pinch points areas that cause delays on high ridership, frequent bus routes that span across the city; (3) Introducing Pre-Paid boarding on two of CTA's high use bus routes as a precursor to more extensive implementation system-wide; (4) Making up to eight stations vertically accessible over the next series of years as a part of CTA's All Stations Accessibility Plan to make all stations accessible; (5) Adding a digital Ventra fare card, beyond Apple, to more mobile wallets including Google Pay to the Ventra fare application; and (6) Over the next five years, CTA will install 775 new digital screens; nearly tripling the 425 digital screens currently found across CTA's rail system. The new screens will include large format displays; in-station and street level screens; interactive digital kiosks and a digital advertising display in every CTA station.

An important element of CTA's workforce development plan is the Second Change Program. The program continues to provide valuable training, educational and career opportunities to Chicago residents who are met with challenges re-entering the workforce. To date, more than 1,200 people have participated in this invaluable program and 330 program participants have secured permanent employment with CTA, with several later promoted to management-level positions. Many others have secured permanent jobs elsewhere because of their successful experience at CTA.

In 2020 CTA will continue to pursue long-term priorities, which focus on improving service to customers. With the influx of State funds from the Rebuild Illinois Grant, the Agency will continue to make extensive investments in its bus and rail system, along with modernizing its infrastructure. The Red-Purple Modernization (RPM) project is one of five major construction projects the CTA has embarked on; RPM is a $2.1 billion investment to modernize and add capacity to the CTA's busiest rail corridor. CTA awarded contract to The Walsh-Fluor Design Build Team in 2018; Major construction began in October 2019 with the start of construction of a new Red-Purple Bypass north of the Belmont Red, Purple and Brown Line station. In addition CTA continues to move forward with its planning for the proposed $2.3 billion Red Line

Extension (RLE) project between 95th and 130th streets. The proposed 5.3-mile extension would include four new, fully accessible stations at 103rd Street, 111th Street, Michigan Avenue and 130th Street. In 2018, the CTA selected a preferred alignment for the extension, and awarded a Program Management Contract. The Program Manager will oversee final environmental review and preliminary engineering work necessary to ultimately seek federal funding for the project. In 2019, the agency committed $310 million to advance the project beyond Project Development phase. Furthermore, as Your New Blue (YNB) finalizes Phase 4 Signal improvements from Jefferson Park to O'Hare and with the influx of State funds the agency will be able to further modernize the Blue Line O'Hare branch. YNB Plus will reconstruct the Harlem Bus Bridge at the O'Hare Harlem Station; it will also replace canopies at the Montrose and Irving Park Stations in addition to adding two new Blue Line substations and providing for traction power improvements along the O'Hare Branch. Lastly, two new initiatives have been added to modernize and improve the rail system: the Green Line Improvements and the Forest Park Branch on the Blue Line. The Green Line Improvements will enhance its infrastructure including track, substations, traction power cable replacement and all local traction power cables throughout the line system. The Forest Park - Blue Line Upgrades project is the first of four phases of the Forest Park Branch. It will provide for new track-work from Halsted to Illinois Medical District, rehabilitate the Racine station making it ADA compliant, advanced utility work, and add a new substation and traction power equipment at Hermitage.

Major projects completed or substantially underway in 2019:

Vehicles – CTA received the remaining 25 buses from the existing Nova bus contract to Purchase Up To 450 buses; CTA also completed the New Flyer Hybrid 4000 Series Overhaul of (208) buses; CTA began Quarter-Overhaul Program for the 5000-Series Rail Cars (714 cars) overhaul program to last until 2023. **Infrastructure** - CTA finished construction on the 95th North Side Terminal of the Red Line South, in addition to completing both the Green Line and Blue Line Gateway Station projects. CTA also completed construction work on the O'Hare Blue Line Jefferson Park Station and Bus Turnaround Improvements. Major construction began in October 2019 with the start of construction of a new Red-Purple Bypass north of the Belmont Red, Purple and Brown Line station. The City of Chicago broke ground on a new station for the Green Line located at Damen/Lake. Major construction began in late 2019 with anticipated completion FY 2021. **Renewal of Track and Structure** – CTA and the City of Chicago continues its efforts to improve and enhance the system with the scheduled multi-year programs Fast Tracks and Safe & Secure. In 2019, work has been completed on the Ravenswood Line Ballasted Track Improvements in addition to the Harlem/Lake branch of the Green/Pink lines and the South Main branch of the Green Line. It's expected to result in commute time savings of two-to-five minutes.

Among the capital projects to continue or begin in FY 2020:

Vehicles - CTA anticipates delivery of 20 new Electric buses with up 5 chargers, CTA also expects to receive ten (10) 7000 Series Prototype railcars; also in 2020 the Authority anticipates the design and award contract for the purchase up to 600 new buses, Request for Proposal (RFP) by first quarter for a base order of 100 buses with an Option up to 500 additional buses to begin replacement of New Flyers 1,030 buses. In addition to new bus and rail fleet, CTA also anticipates the design and award contract for 4 Diesel Locomotives projected delivery 2021. On the Overhaul Program CTA expects to contract a design and award agreement for a Mid-Life Bus Overhaul on 100 Artic (4300/4333 Series). The Authority will also continue the phased 5000 Series Rail Car Quarter Overhaul. **Infrastructure** – O'Hare Blue Line Improvements: Substantial completion is expected for Logan Square Station improvements by 1st Qtr, and the Grand, Chicago, & Division (Blue Line) Station Renovations Improvements by 3rd Qtr. CTA will begin a multi-year program to repair or replace rail yard facility deficiencies systemwide. **Renewal of Track and Structure** – Substantial completion is expected for East Lake, Milwaukee, and Illinois Substation Improvements by 2nd Qtr. on the Blue Line O'Hare Line. In addition, CTA will continue its efforts to improve and enhance the system with the scheduled multi-year programs Fast Tracks and Safe & Secure focusing this year on the State (Red) and Dearborn (Blue) Subway Improvements.

Many capital projects include distinctive architecture and public art from notable Chicago and international artists, part of ongoing efforts to make public transportation more attractive and to highlight communities.

Legislation

On January 18, 2008, Public Act 95-708 became law. This legislation provides funding for CTA operations, pension and retiree healthcare from four sources: 1) a 0.25 percent increase in the RTA sales tax in each of the six counties, 2) a $1.50 per $500 of transfer price increase in the City of Chicago's real estate transfer tax, 3) an additional 5% state match on the real estate transfer tax and all sales tax receipts except for the replacement and use tax, and 4) a 25% state match on the new sales tax and real estate transfer tax. The proceeds from the increase in the RTA sales tax will be used to fund some existing programs such as ADA paratransit services, as well as some new initiatives such as the Suburban Community Mobility Fund and the Innovation, Coordination and Enhancement Fund. The balance of these additional proceeds along with the 5% state match on: existing, additional sales tax and real estate transfer tax; and the state 25% match on the new sales tax will be divided among the CTA (48%), Metra (39%) and Pace (13%) according to the statutory formula. On February 6, 2008, the Chicago City Council authorized an increase in the real estate transfer tax in the amount of $1.50 per $500 of transfer price, the proceeds of which (after deducting costs associated with collection) will be entirely directed to the CTA. Additionally the state 25% match on the real estate transfer tax will be entirely directed to CTA as well.

Pursuant to Public Act 94-839, the CTA was required to make contributions to its retirement system in an amount which, together with the contributions of its participants, interest earned on investments and other income, were sufficient to bring the total assets of the retirement system up to 90% of its total actuarial liabilities by the end of fiscal year 2058. This legislation also required the RTA to monitor the payment by the CTA of its required retirement system contributions. If the CTA's contributions were more than one month overdue, the RTA would pay the amount of the overdue contributions directly to the trustee of the CTA's retirement system out of moneys otherwise payable by the RTA to the CTA.

Public Act 95-708 modified this directive slightly and added a number of other requirements. First, a new Retirement Plan Trust was created to manage the Retirement Plan assets. Second, CTA contributions and employee contributions were increased. Third, in addition to the requirement that the Retirement Plan be 90% funded by 2059, there is a new requirement that the Retirement Plan be funded at a minimum of 60% by September 15, 2009. Any deviation from the stated projections could result in a directive from the State of Illinois Auditor General to increase the CTA and employee contributions. Fourth, Public Act 95-708 authorized the CTA to issue $1.349 billion in pension obligation bonds to fund the Retirement Plan. Finally, the legislation provides that CTA will have no future responsibility for retiree healthcare costs after the bond funding.

Public Act 95-708 also addressed retiree healthcare. In addition to the separation between pension and healthcare that was mandated by Public Act 94-839, Public Act 95-708 provides funding and benefit changes to the retiree healthcare benefits. First, all CTA employees will be required to contribute 3% of their compensation into the new retiree healthcare trust. Second, all employees will be eligible for retiree healthcare, but after January 18, 2008, only those employees who retire at or after the age of 55 with 10 years of continuous service will actually receive the benefit. Third, retiree, dependent and survivor premiums can be raised up to 45% of the premium cost. Finally, the CTA has been given the authorization to issue $640 million in pension obligation bonds to fund the healthcare trust. Subsequent to the 2008 legislation, the Board of Trustees of the Retiree Healthcare Trust amended the eligibility requirements to receive postemployment health benefits. Effective January 1, 2018, employees will be eligible for retiree healthcare at or after the age of 65 with 10 years of continuous service or at or after age 55 or at pension start date (whichever is later) with 20 years of continuous service.

The pension and retiree healthcare bonds were issued on August 6, 2008 and $1.1 billion was deposited in the pension trust and $528.8 million was deposited in the healthcare trust.

Future Impacts

The United States and the State of Illinois declared a state of emergency in March 2020 due to the COVID-19 global pandemic. CTA anticipates a financial impact resulting from the effects of the COVID-19 outbreak and related stay-at-home orders on the national, state, and local economies, as well as ridership. During this evolving situation, CTA continues to analyze the impact on its financial position. As of April 29, 2020, CTA has been allocated and has applied for approximately $817.5 million in emergency funding under the Coronavirus Aid, Relief, and Economic Security (CARES) Act from the Federal Transit Administration. This compares to its $1.57B annual operating budget.

Contacting the CTA's Financial Management

This financial report is designed to provide our bondholders, patrons, and other interested parties with a general overview of the CTA's finances and to demonstrate the CTA's accountability for the money it receives. If you have questions about this report or need additional financial information, contact the Chicago Transit Authority's Chief Financial Officer, 567 W. Lake Street, Chicago, IL 60661.

CHICAGO TRANSIT AUTHORITY
Business-Type Activities
Statements of Net Position
December 31, 2019 and 2018
(In thousands of dollars)

	2019	2018
Assets		
Current assets:		
Cash and cash equivalents	$ 111,639	$ 49,354
Cash and cash equivalents restricted for damage reserve	50,071	57,769
Investments	14,900	43,691
Total cash, cash equivalents, and investments	176,610	150,814
Operating and capital receivables:		
Due from the RTA	235,674	314,019
Unbilled work in progress	142,821	154,922
Other	171	2,461
Total operating and capital receivable	378,666	471,402
Accounts receivable, net	43,385	37,783
Materials and supplies, net	29,133	30,702
Prepaid expenses and other assets	5,841	5,574
Total current assets	633,635	696,275
Noncurrent assets:		
Other noncurrent assets:		
Restricted bond proceeds held by trustee	353,926	429,758
Restricted assets held by trustee for supplemental retirement plans	698	634
Total other noncurrent assets	354,624	430,392
Capital assets:		
Capital assets not being depreciated:		
Land	173,028	171,201
Construction in process	601,571	633,054
Total Capital assets not being depreciated	774,599	804,255
Capital assets being depreciated	12,430,212	11,850,298
Less accumulated depreciation	(8,144,882)	(7,718,007)
Total capital assets being depreciated, net	4,285,330	4,132,291
Total capital assets, net	5,059,929	4,936,546
Total noncurrent assets	5,414,553	5,366,938
Total assets	6,048,188	6,063,213
Deferred outflows of resources		
Deferred loss on refunding	10,153	13,317
Pension outflows - CTA Retirement Plan	302,102	169,013
Pension outflows - CTA Supplemental Plans	-	2,709
Total deferred outflows of resources	312,255	185,039
Total assets and deferred outflows of resources	$ 6,360,443	$ 6,248,252

(Continued)

CHICAGO TRANSIT AUTHORITY
Business-Type Activities
Statements of Net Position
December 31, 2019 and 2018
(In thousands of dollars)

	2019	2018
Liabilities		
Current liabilities:		
Accounts payable and accrued expenses	$ 256,853	$ 236,750
Accrued payroll, vacation pay, and related liabilities	131,666	137,302
Accrued interest payable	21,529	21,891
Advances, deposits, and other	27,217	35,344
Unearned passenger revenue	73,784	73,216
Other unearned revenue	2,280	2,295
Unearned operating assistance	42,953	41,283
Current portion of long-term liabilities	291,633	210,195
Total current liabilities	847,915	758,276
Long-term liabilities:		
Self-insurance claims, less current portion	185,625	184,501
Capital lease obligations, less current portion	61,006	70,900
Bonds payable, less current portion	4,006,526	4,119,924
Transportation Infrastructure Finance and Innovation Act (TIFIA) bonds payable	81,731	80,443
Capital line of credit - note purchase agreement	119,000	49,250
Certificates of participation payable, less current portion	-	7,751
Net pension liability - CTA Employees' Retirement Plan	1,847,007	1,656,902
Net pension liability - CTA Supplemental Plans	32,031	34,772
Total other postemployment benefits liability	9,820	9,751
Other long-term liabilities	35,851	46,737
Total long-term liabilities	6,378,597	6,260,931
Total liabilities	7,226,512	7,019,207
Deferred inflows of resources		
Pension inflows - CTA Retirement Plan	19,170	-
Pension inflows - CTA Supplemental Plans	924	-
Total deferred inflows of resources	20,094	-
Net position:		
Net investment in capital assets	2,372,455	2,510,818
Restricted:		
Payment of leasehold obligations	2,227	2,297
Debt service	71,631	70,804
Unrestricted (deficit)	(3,332,476)	(3,354,874)
Total net position	(886,163)	(770,955)
Total liabilities, deferred inflows of resources, and net position	$ 6,360,443	$ 6,248,252

See accompanying notes to financial statements.

CHICAGO TRANSIT AUTHORITY
Business-Type Activities
Statements of Revenues, Expenses, and Changes in Net Position
Years ended December 31, 2019 and 2018
(In thousands of dollars)

	2019	2018
Operating revenues:		
Fare box revenue	$ 350,992	$ 359,614
Pass revenue	234,305	229,177
Total fare box and pass revenue	585,297	588,791
Advertising and concessions	38,987	37,844
Other revenue	29,725	29,441
Total operating revenues	654,009	656,076
Operating expenses:		
Labor and fringe benefits	1,163,529	1,116,512
Materials and supplies	67,652	90,474
Fuel	40,396	32,079
Electric power	31,560	31,162
Purchase of security services	14,920	17,502
Maintenance and repairs, utilities, rent, and other	104,801	111,677
	1,422,858	1,399,406
Provisions for injuries and damages	28,736	35,648
Provision for depreciation	500,475	459,447
Total operating expenses	1,952,069	1,894,501
Operating expenses in excess of operating revenues	(1,298,060)	(1,238,425)
Nonoperating revenues (expenses):		
Public funding from the RTA	818,211	809,352
Reduced-fare subsidies	14,606	13,876
Build America Bond subsidy	10,127	10,090
Operating grant revenue	9,613	8,808
Contributions from local government agencies	5,000	5,000
Investment income	13,181	11,428
Interest expense on bonds and other financing	(186,931)	(193,093)
Interest expense on leasing transactions	(3,193)	(5,843)
Total nonoperating revenues, net	680,614	659,618
Change in net position before capital contributions	(617,446)	(578,807)
Capital contributions	502,238	441,162
Change in net position	(115,208)	(137,645)
Total net position – beginning of year	(770,955)	(633,310)
Total net position – end of year	$ (886,163)	$ (770,955)

See accompanying notes to financial statements.

CHICAGO TRANSIT AUTHORITY
Business-Type Activities
Statements of Cash Flows
Years ended December 31, 2019 and 2018
(In thousands of dollars)

	2019	2018
Cash flows from operating activities:		
Cash received from fares	$ 585,865	$ 596,556
Payments to employees and benefit payments	(1,105,361)	(1,100,985)
Payments to suppliers	(297,746)	(321,747)
Other receipts	54,968	52,371
Net cash flows used in operating activities	(762,274)	(773,805)
Cash flows from noncapital financing activities:		
Public funding from the RTA	898,226	797,205
Reduced-fare subsidies	14,606	13,876
Operating grant revenue	9,613	8,808
Contributions from local governmental agencies	5,000	5,000
Net cash flows provided by noncapital financing activities	927,445	824,889
Cash flows from capital and related financing activities:		
Interest payments on bonds	(195,912)	(202,782)
Increase (decrease) in restricted assets for repayment of leasing commitments	-	84,895
Repayment of lease obligations	(18,976)	(103,591)
Proceeds from capital line of credit - note purchase agreement	158,915	49,250
Proceeds from issuance of Transportation Infrastructure Finance and Innovation Act (TIFIA) bonds	2,840	80,138
Repayment of bonds payable	(105,403)	(98,964)
Repayment of line of credit - note purchase agreement	-	(22,500)
Repayment of other long-term liabilities	(10,396)	(9,623)
Payments for acquisition and construction of capital assets	(586,148)	(433,990)
Build America Bond subsidy	10,127	10,090
Capital grants	516,629	434,542
Net cash flows used in capital and related financing activities	(228,324)	(212,535)
Cash flows from investing activities:		
Purchases of unrestricted investments	(14,900)	(43,691)
Proceeds from maturity of unrestricted investments	43,691	90,574
Restricted cash and investment accounts:		
Purchases	(1,108,488)	(2,166,424)
Withdrawals	1,184,256	2,239,355
Investment revenue	13,181	11,428
Net cash flows provided (used) by investing activities	117,740	131,242
Net increase (decrease) in cash and cash equivalents	54,587	(30,209)
Cash and cash equivalents – beginning of year	107,123	137,332
Cash and cash equivalents – end of year	$ 161,710	$ 107,123

(Continued)

CHICAGO TRANSIT AUTHORITY
Business-Type Activities
Statements of Cash Flows
Years ended December 31, 2019 and 2018
(In thousands of dollars)

	2019	2018
Reconciliation of operating expenses in excess of operating revenues to net cash flows used in operating activities:		
Operating expenses in excess of operating revenues	$ (1,298,060)	$ (1,238,425)
Adjustments to reconcile operating expenses in excess of operating revenues to net cash flows used in operating activities:		
Depreciation	500,475	459,447
(Increase) decrease in assets:		
Accounts receivable	(5,602)	307
Materials and supplies	1,569	1,293
Prepaid expenses and other assets	(267)	365
Deferred outflow - pension	20,094	112,219
Increase (decrease) in liabilities:		
Accounts payable and accrued expenses	(17,607)	(8,629)
Accrued payroll, vacation pay, and related liabilities	(5,636)	(31,089)
Self-insurance reserves	(6,719)	2,846
Unearned passenger revenue	568	7,765
Other unearned revenue	(15)	(108)
Advances, deposits, and other	(8,127)	(15,113)
Net pension liability	187,364	(61,785)
Total OPEB liability	69	(1,898)
Deferred inflow - pension	(130,380)	(1,000)
Net cash flows used in operating activities	$ (762,274)	$ (773,805)
Noncash investing and financing activities:		
Accretion of interest on lease/leaseback obligations	$ -	$ 1,967
Retirement of fully depreciated capital assets	73,604	35,720
Purchases of capital assets in accounts payable at year-end	116,506	78,796
RTA assistance not received	235,674	314,019
Unbilled work in progress	142,821	154,922

See accompanying notes to financial statements.

CHICAGO TRANSIT AUTHORITY
Fiduciary Activities
Statements of Fiduciary Net Position
Qualified Supplemental Retirement Plan
December 31, 2019 and 2018
(In thousands of dollars)

	2019	2018
Assets:		
Contributions from employees	$ 55	$ 42
Contributions from employer	280	-
Investments at fair value:		
Short-term investments	93	282
U.S. fixed income	10,394	6,217
Global fixed income	-	2,398
Common stock	21,665	21,420
Real estate	4,217	4,163
Total investments at fair value	36,369	34,480
Total assets	36,704	34,522
Liabilities:		
Accounts payable and other liabilities	17	82
Total liabilities	17	82
Net position restricted for pensions	$ 36,687	$ 34,440

See accompanying notes to financial statements.

CHICAGO TRANSIT AUTHORITY
Fiduciary Activities
Statements of Changes in Fiduciary Net Position
Qualified Supplemental Retirement Plan
Years ended December 31, 2019 and 2018
(In thousands of dollars)

	2019	2018
Additions:		
Contributions:		
Employee	$ 29	$ 71
Employer	1,120	550
Total contributions	1,149	621
Investment income:		
Net increase (decrease) in fair value of investments	3,327	(3,579)
Investment income	2,191	1,499
Total investment income	5,518	(2,080)
Total additions	6,667	(1,459)
Deductions:		
Benefits paid to participants or beneficiaries	4,192	4,105
Administrative fees	228	246
Total deductions	4,420	4,351
Net increase (decrease)	2,247	(5,810)
Net position restricted for pensions		
Beginning of year	34,440	40,250
End of year	$ 36,687	$ 34,440

See accompanying notes to financial statements.

NOTE 1 - ORGANIZATION

The Chicago Transit Authority (CTA) was formed in 1945 pursuant to the Metropolitan Transportation Authority Act passed by the Illinois Legislature. The CTA was established as an independent governmental agency (an Illinois municipal corporation) “separate and apart from all other government agencies” to consolidate Chicago’s public and private mass transit carriers. The City Council of the City of Chicago has granted the CTA the exclusive right to operate a transportation system for the transportation of passengers within the City of Chicago.

The Regional Transportation Authority Act (the Act) provides for the funding of public transportation in the six-county region of Northeastern Illinois. The Act established a regional oversight board, the Regional Transportation Authority (RTA), and designated three service boards (CTA, Commuter Rail Board, and Suburban Bus Board). The Act requires, among other things, that the RTA approve the annual budget of the CTA, that the CTA obtain agreement from local governmental units to provide an annual monetary contribution of at least $5,000,000 for public transportation, and that the CTA (collectively with the other service boards) finance at least 50% of its operating costs, excluding depreciation and certain other items, from system-generated sources on a budgetary basis.

Financial Reporting Entity: As defined by U.S. generally accepted accounting principles (GAAP), the financial reporting entity consists of a primary government, as well as its component units, which are legally separate organizations for which the elected officials of the primary government are financially accountable. Financial accountability is defined as:

1) Appointment of a voting majority of the component unit’s board and either (a) the ability to impose will by the primary government or (b) the possibility that the component unit will provide a financial benefit to or impose a financial burden on the primary government; or

2) Fiscal dependency on the primary government.

Based upon the application of these criteria, the CTA is not a component unit of any other entity.

The CTA participates in the Employees’ Retirement Plan, which is a single-employer, defined benefit pension plan covering substantially all full-time permanent union and nonunion employees. The Employees’ Plan is governed by Illinois state statute (40 ILCS 5/22-101). The fund, established to administer the Employees’ Retirement Plan, is not a fiduciary fund or a component unit of the CTA. This fund is a legal entity separate and distinct from the CTA. This plan is administered by its own board of trustees comprised of 5 union representatives, 5 representatives appointed by the CTA, and a professional fiduciary appointed by the RTA. The CTA has no direct authority and assumes no fiduciary responsibility with regards to the Employees’ Retirement Plan. Accordingly, the accounts of this fund are not included in the accompanying financial statements.

The CTA participates in the Retiree Health Care Trust (RHCT), which provides and administers health care benefits for CTA retirees and their dependents and survivors. The Retiree Health Care Trust was established by Public Acts 94-839 and 95-708. The RHCT is not a fiduciary fund or a component unit of the CTA. This trust is a legal entity separate and distinct from the CTA. This trust is administered by its own board of trustees comprised of three union representatives, three representatives appointed by the CTA and a professional fiduciary appointed by the RTA. The CTA has no direct authority and assumes no fiduciary responsibility with regards to the RHCT. Accordingly, the accounts of this fund are not included in the accompanying financial statements.

(Continued)

NOTE 1 - ORGANIZATION (Continued)

The CTA administers supplemental retirement plans that are separate, defined benefit pension plans for selected individuals. The supplemental retirement plans provide benefits to employees of the CTA in certain employment classifications. The supplemental retirement plans consist of the: (1) closed board member plan (Board), (2) closed (Non-Qualified) supplemental plan for members retired or terminated from employment before March 2005, including early retirement incentive, and (3) closed (Qualified) supplemental plan for members retiring or terminating after March 2005. The CTA received qualification under Section 401(a) of the Internal Revenue Code for the supplemental plan and established a qualified trust during 2005 for members retiring after March 2005 (Qualified Supplemental Retirement Plan). The Qualified plan is administered by a committee that is appointed by the Board of Directors of the CTA. In addition, there is a financial burden as the CTA has the obligation to make contributions to the Qualified plan. Based on this, the trust for the Qualified plan is reported as a fiduciary component unit. Whereas the activities for the Non-Qualified and Board Plans are included in the financial statements of the CTA's business-type activities.

The CTA is not considered a component unit of the RTA because the CTA maintains separate management, exercises control over all operations, and is fiscally independent from the RTA. Because governing authority of the CTA is entrusted to the Chicago Transit Board, comprising four members appointed by the Mayor of the City of Chicago and three members appointed by the Governor of the State of Illinois, the CTA is not financially accountable to the RTA and is not included as a component unit in the RTA's financial statements, but is combined in pro forma statements with the RTA, as statutorily required.

NOTE 2 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Basis of Accounting: The basic financial statements provide information about the CTA's business-type and fiduciary (Qualified Supplemental Retirement Plan) activities. Separate statements for each category, business-type and fiduciary, are presented. The basic financial statements are reported using the economic resources measurement focus and the accrual basis of accounting. Revenues are recorded when earned, and expenses are recorded when a liability is incurred, regardless of the timing of the related cash flows. On an accrual basis, revenues from operating activities are recognized in the fiscal year that the operations are provided; revenue from grants is recognized in the fiscal year in which all eligibility requirements have been satisfied; and revenue from investments is recognized when earned.

The financial statements for the CTA's business-type activities are used to account for the CTA's activities that are financed and operated in a manner similar to a private business enterprise. Accordingly, the CTA maintains its records on the accrual basis of accounting. Under this basis, revenues are recognized in the period in which they are earned, expenses are recognized in the period in which they are incurred, depreciation of assets is recognized, and all assets and liabilities associated with the operation of the CTA are included in the Statements of Net Position.

The principal operating revenues of the CTA are bus and rail passenger fares. The CTA also recognizes as operating revenue the rental fees received from concessionaires, the fees collected from advertisements on CTA property, and miscellaneous operating revenues. Operating expenses for the CTA include the costs of operating the mass transit system, administrative expenses, and depreciation on capital assets. All revenues and expenses not meeting this definition are reported as nonoperating revenues and expenses.

Nonexchange transactions, in which the CTA receives value without directly giving equal value in return, include grants from federal, state, and local governments. On an accrual basis, revenue from grants is recognized in the fiscal year in which all eligibility requirements have been satisfied. Eligibility requirements include timing requirements, which specify the year when the resources are required to be used or the fiscal year when use is first permitted, and expenditure requirements, in which the resources are provided to the CTA on a reimbursement basis.

(Continued)

NOTE 2 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

The financial statements for the fiduciary activities are used to account for the assets held by the CTA in trust for the payment of future retirement benefits under the Qualified Supplemental Retirement Plan. The assets of the Qualified Supplemental Retirement Plan cannot be used to support CTA operations.

<u>Cash and Cash Equivalents</u>: Cash and cash equivalents consist of cash on hand, demand deposits, and short-term investments with maturities when purchased of three months or less.

<u>Cash and Cash Equivalents Restricted for Damage Reserve</u>: The CTA maintained cash and investment balances to fund the annual injury and damage obligations that are required to be designated under provisions of Section 39 of the Metropolitan Transportation Authority Act.

<u>Investments</u>: Investments, including the supplemental retirement plan assets, are reported at fair value based on quoted market prices and valuations provided by external investment managers.

Chapter 30, Paragraph 235/2 of the Illinois Compiled Statutes authorizes the CTA to invest in obligations of the United States Treasury and United States agencies, direct obligations of any bank, repurchase agreements, commercial paper rated within the highest classification set by two standard rating services, or money market mutual funds investing in obligations of the United States Treasury and United States agencies.

<u>Unbilled Work In Progress</u>: Unbilled work in progress represents grant expense that has not been billed to the funding agencies as of year-end. This would include contract retentions, accruals and expenditures for which, due to requisitioning restrictions of the agencies or the timing of the expenditures, reimbursement is requested in a subsequent period.

<u>Materials and Supplies</u>: Materials and supplies are stated at average cost and consist principally of maintenance supplies and repair parts.

<u>Other Noncurrent Assets</u>: Other noncurrent assets include (a) cash and claims to cash that are restricted as to withdrawal or use for other than current operations, (b) resources that are designated for expenditure in the acquisition or construction of noncurrent assets, or (c) resources that are segregated for the liquidation of long-term debts.

Restricted assets for repayment of leasing commitments: The CTA entered into various lease/leaseback agreements in fiscal years 1995 through 2003. These agreements, which provide certain cash and tax benefits to the third party, also provide for a trust established by the CTA to lease the related capital assets to an equity investor trust, which would then lease the capital assets back to another trust established by the CTA under a separate lease. The CTA received certain funds as prepayment by the equity investor trust. These funds have been deposited in designated investment accounts sufficient to meet the payments required under the leases and are recorded as assets restricted for repayment of leasing commitments. The last of these lease/leaseback agreements was terminated in December 2018.

Bond proceeds held by trustee: During various fiscal years, the CTA issued Capital Grant Receipt Revenue Bonds. The proceeds from each sale were placed in trust accounts restricted for financing the costs of capital improvement projects associated with each issuance. For more detailed information see Note 9.

NOTE 2 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

Capital Assets: All capital assets are stated at cost. Capital assets are defined as assets which (1) have a useful life of one year or more and a unit cost of more than $5,000, (2) have a unit cost of $5,000 or less, but which are part of a network or system conversion, or (3) were purchased with grant money. The cost of maintenance and repairs is charged to operations as incurred. Interest is capitalized on constructed capital assets. The amount of interest to be capitalized is calculated by offsetting interest expense incurred from the date of the borrowing until completion of the project with interest earned on invested proceeds over the same period.

Capitalized interest cost is amortized on the same basis as the related asset is depreciated. Projects funded with bond proceeds incurred $28,396,546 of interest expense for each of the years ended December 31, 2019 and 2018, respectively. Of those interest costs incurred, $74,467 and $12,830 were capitalized during the years ended December 31, 2019 and 2018, respectively.

The provision for depreciation of transportation property and equipment is calculated under the straight-line method using the respective estimated useful lives of major asset classifications, as follows:

	Years
Buildings	10-40
Elevated structures, tracks, tunnels, and power system	20-40
Transportation vehicles:	
Bus	7-12
Rail	25
Signal and communication	10-20
Other equipment	3-10

A full month's depreciation is taken in the month after an asset is placed in service. When property and equipment are disposed, depreciation is removed from the respective accounts and the resulting gain or loss, if any, is recorded.

The transportation system operated by the CTA includes certain facilities owned by others. The CTA has the exclusive right to operate these facilities under the terms of the authorizing legislation and other agreements.

Included with the CTA's *other equipment* capital assets, the CTA has capitalized an intangible asset, computer software. The CTA follows the same capitalization policy and estimated useful life for its intangible asset as it does for its *other equipment* capital assets. The CTA also amortizes the intangible asset utilizing the straight-line method.

Deferred Outflows of Resources: A deferred outflow of resources is a consumption of net position by the government that is applicable to a future reporting period.

Deferred Inflows of Resources: A deferred inflow of resources is an acquisition of net position by the government that is applicable to a future reporting period.

Self-insurance: The CTA is self-insured for various risks of loss, including public liability and property damage, workers' compensation, and health benefit claims, as more fully described in note 16. A liability for each self-insured risk is provided based upon the present value of the estimated ultimate cost of settling claims using a case-by-case review and historical experience. A liability for claims incurred but not reported is also provided.

NOTE 2 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

Compensated Absences: Substantially all employees receive compensation for vacations, holidays, illness, and certain other qualifying absences. The number of days compensated for the various categories of absence is based generally on length of service. Vacation leave that has been earned but not paid has been accrued in the accompanying financial statements. Compensation for holidays, illness, and other qualifying absences is not accrued in the accompanying financial statements because rights to such compensation amounts do not accumulate or vest.

Under GASB Statement No. 16, Accounting for Compensated Absences, applicable salary-related employer obligations are accrued in addition to the compensated absences liability. This amount is recorded as a portion of the accrued payroll, vacation pay, and related liabilities on the Statements of Net Position.

Bond Premiums: Bond premiums are amortized over the life of the bonds using the bonds outstanding method, which is materiality consistent with the effective interest method.

Pensions: For purposes of measuring the net pension liability, deferred outflows of resources and deferred inflows of resources related to pensions, and pension expense, information about the fiduciary net position of the Pension Plans (the Plans) and additions to/deductions from the Plans fiduciary net position have been determined on the same basis as they are reported by the Plans. For this purpose, benefit payments (including refunds of employee contributions) are recognized when due and payable in accordance with the benefit terms. Investments are reported at fair value. For more detailed information see Notes 13 and 14.

Net Position: Net position is displayed in three components as follows:

Net Investment in Capital Assets – This consists of capital assets, net of accumulated depreciation, less the outstanding balances of any bonds, notes, or other borrowings that are attributable to the acquisition, construction, or improvement of those assets.

Restricted – This component of net position consists of legally restricted assets by outside parties or by law through constitutional provisions or enabling legislation. When both restricted and unrestricted resources are available for use, generally it is the CTA's policy to use restricted resources first, and then unrestricted resources when they are needed.

Unrestricted – This component of net position that does not meet the definition of "restricted" or "net investment in capital assets."

Retirement Plan: The CTA has a retirement plan for all nontemporary, full-time employees with service greater than one year. Pension expense is recorded on an annual basis based on the results of an actuarial valuation in conformity with GASB 67 and 68. For more detailed information see Note 13.

Fare Box and Pass Revenues: Fare box and pass revenues are recorded as revenue at the time services are performed.

NOTE 2 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

Classification of Revenues: The CTA has classified its revenues as either operating or nonoperating. Operating revenues include activities that have the characteristics of exchange transactions, including bus and rail passenger fares, rental fees received from concessionaires, the fees collected from advertisements on CTA property, and miscellaneous operating revenues. Nonoperating revenue includes activities that have the characteristics of nonexchange transactions, such as federal, state, and local grants and contracts.

Estimates: The preparation of financial statements in conformity with GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities as of the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Actual results may differ from those estimates.

Reclassifications: Certain amounts from the prior year have been reclassified to conform to the current year presentation. The reclassifications had no effect on net position or change in net position.

Implementation of New Accounting Standards:

In November 2016, the GASB issued Statement 83, *Certain Asset Retirement Obligations*. This Statement establishes criteria for determining the timing and pattern of recognition of a liability and a corresponding deferred outflow of resources for asset retirement obligations (AROs). The provisions of this Statement became effective for the CTA during fiscal year 2019 with no material impact for the CTA.

In January 2017, the GASB issued Statement 84, *Fiduciary Activities*. This Statement establishes criteria for identifying fiduciary activities of all state and local governments. The focus is on (1) whether a government is controlling the assets of the fiduciary activity and (2) the beneficiaries with whom a fiduciary relationship exists. Separate criteria are included to identify fiduciary component units and postemployment benefit arrangements that are fiduciary activities. This Statement describes four fiduciary funds that should be reported, if applicable: (1) pension (and other employee benefit) trust funds, (2) investment trust funds, (3) private-purpose trust funds, and (4) custodial funds. The provisions of this Statement became effective for the CTA during fiscal year 2019 with no material impact for the CTA.

In April 2018, GASB issued Statement No. 88 *Certain Disclosures Related to Debt, Including Direct Borrowings and Direct Placements*. This Statement defines debt for purposes of disclosure in notes to financial statements as a liability that arises from a contractual obligation to pay cash (or other assets that may be used in lieu of cash) in one or more payments to settle an amount that is fixed at the date the contractual obligation is established. The provisions of this Statement became effective for the CTA during fiscal year 2019 and additional disclosures have been added to Notes 8, 9, 12, and 17.

In August 2018, GASB issued Statement No. 90 *Majority Equity Interests – an amendment of GASB Statements No. 14 and No. 61*. The primary objectives of this Statement are to improve the consistency and comparability of reporting a government's majority equity interest in a legally separate organization and to improve the relevance of financial statement information for certain component units. The provisions of this Statement became effective for the CTA during fiscal year 2019 with no material impact for the CTA.

(Continued)

NOTE 2 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

Future Pronouncements:

In June 2017, GASB issued Statement No. 87 *Leases*. This statement establishes a single model for lease accounting based on the foundational principle that leases are financings of the right to use an underlying asset. The requirements of this Statement are effective for reporting periods beginning after December 15, 2019.

In June 2018, GASB issued Statement No. 89 *Accounting for Interest Cost Incurred before the End of a Construction Period*. This Statement requires that interest cost incurred before the end of a construction period be recognized as an expense in the period in which the cost is incurred for financial statements prepared using the economic resources measurement focus. As a result, interest cost incurred before the end of a construction period will not be included in the historical cost of a capital asset reported in a business-type activity or enterprise fund. The requirements of this Statement are effective for reporting periods beginning after December 15, 2019.

In May 2019, GASB issued Statement No. 91 *Conduit Debt Obligations*. This Statement clarifies the existing definition of a conduit debt obligation; establishes that a conduit debt obligation is not a liability of the issuer; sets standards for accounting and financial reporting of additional commitments and voluntary commitments extended by issuers and arrangements associated with conduit debt obligations; and improves required note disclosures. The requirements of this Statement are effective for reporting periods beginning after December 15, 2020.

In January 2020, GASB issues Statement No. 92 *Omnibus 2020*. This Statement addresses a variety of topics including the effective date of Statement No. 87 and Implementation Guide (IG) No. 2019-3 for interim financial reports; reporting of intra-entity transfers of assets between a primary government employer and a component unit defined benefit pension plan or defined benefit other postemployment benefit (OPEB) plan; the applicability of Statements No. 73 and 74 to reporting assets accumulated for postemployment benefits (PEBs); the applicability of certain requirements of Statement No. 84 to postemployment benefit arrangements; measurement of liabilities (and assets, if any) related to asset retirement obligations (AROs) in a government acquisition; reporting by public entity risk pools for amounts that are recoverable from reinsurers or excess insurers; reference to nonrecurring fair value measurements of assets or liabilities in authoritative literature; and terminology used to refer to derivative instruments. The requirements of this Statement related to intra-entity transfers of assets and those related to the applicability of Statements No. 73 and 74 are effective for fiscal years beginning after June 15, 2020. The requirements of this Statement related to the application of Statement No. 84 to PEBs, those related to nonrecurring fair value measurements of assets or liabilities, and those related to the measurement of liabilities (and assets, if any) associated with AROs are effective for reporting periods beginning after June 15, 2020. The requirements related to the effective date of Statement No. 87 and IG No. 2019-3, reinsurance recoveries, and terminology used to refer to derivative instruments are effective upon issuance.

NOTE 2 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

In March 2020, GASB issues Statement No. 93, *Replacement of Interbank Rates.* The objective of this Statement is to address accounting and financial reporting implications that result from the replacement of an interbank offered rate (IBOR). The removal of LIBOR as an appropriate benchmark interest rate is effective for reporting periods ending after December 31, 2021. All other requirements of this Statement are effective for reporting periods beginning after June 15, 2020.

In April 2020, GASB issued Statement No. 94, *Public-Private and Public-Public Partnerships and Availability Payment Arrangements.* The primary objective of this statement is to improve financial reporting by addressing issues related to public-private and public-public partnership arrangements (PPPs). In addition, the statement provides guidance for accounting and financial reporting for availability payment arrangements (APAs). This statement is effective for fiscal years beginning after June 15, 2022, and all reporting periods thereafter.

Management has not yet determined the impact of these statements on the basic financial statements.

NOTE 3 - BUDGET AND BUDGETARY BASIS OF ACCOUNTING

The CTA is required under Section 4.01 of the Regional Transportation Authority Act to submit for approval an annual budget to the RTA by November 15 prior to the commencement of each fiscal year. The budget is prepared on a basis consistent with GAAP, except for the exclusion of certain income and expenses. For 2019 and 2018, these amounts include provision for injuries and damage in excess of (or under) budget, depreciation expense, pension expense in excess of pension contributions, actuarial adjustments, revenue from leasing transactions, interest income and expense from sale/leaseback transactions, and capital contributions.

The Act requires that expenditures for operations and maintenance in excess of budget cannot be made without approval of the Chicago Transit Board. All annual appropriations lapse at fiscal year-end. The RTA, in accordance with the RTA Act, has approved for budgetary basis presentation the CTA's recognition of the amount of the injury and damage reserve and pension contribution, funded by the RTA in the approved annual budget. Provisions in excess of the approved annual budget that are unfunded are excluded from the recovery ratio calculation.

Prior to 2009, the RTA funded the budgets of the service boards rather than the actual operating expenses in excess of system-generated revenue. Under this funding policy favorable variances from budget remain as unearned operating assistance to the CTA, and can be used in future years with RTA approval. At the end of 2009, the RTA changed the funding policy to reflect actual collections rather than the budgeted funding marks. This new policy shifts the risk of shortfalls from actual collections to the respective service boards.

The RTA approves the proposed budget based on a number of criteria:

- That the budget is in balance with regard to anticipated revenues from all sources, including operating subsidies and the costs of providing services and funding operating deficits;
- That the budget provides for sufficient cash balances to pay, with reasonable promptness, costs and expenses when due;
- That the budget provides for the CTA to meet its required system-generated revenue recovery ratio; and
- That the budget is reasonable, prepared in accordance with sound financial practices and complies with such other RTA requirements as the RTA Board of Directors may establish.

(Continued)

NOTE 3 - BUDGET AND BUDGETARY BASIS OF ACCOUNTING (Continued)

The RTA monitors the CTA's performance against the budget on a quarterly basis. If, in the judgment of the RTA, this performance is not substantially in accordance with the CTA's budget for such period, the RTA shall so advise the CTA and the CTA must within the period specified by the RTA, submit a revised budget to bring the CTA into compliance with the budgetary requirements listed above.

NOTE 4 - BUDGETED PUBLIC FUNDING FROM THE REGIONAL TRANSPORTATION AUTHORITY AND THE STATE OF ILLINOIS

Most of the CTA's public funding for operating needs is funneled through the RTA. The RTA allocates funds to the service boards based on a formula included in the 1983 Regional Transportation Authority Act and the 2008 Legislation (P.A. 95-0708) approved by Illinois lawmakers to provide increased operating funds to the Northeastern Illinois Transit System. Other funds are allocated based on the RTA's discretion.

The funding "marks" represent the amount of funds that each Service Board can expect to receive from the RTA and other sources.

The components of the operating funding from the RTA were as follows (in thousands of dollars):

		2019	2018
1983 Legislation	Illinois state sales tax allocation	$ 388,833	$ 379,617
1983 Legislation	RTA discretionary funding and other	220,959	211,425
2008 Legislation	Illinois state sales tax allocation & PTF	139,919	140,774
2008 Legislation	Real estate transfer tax	62,373	71,518
2008 Legislation	Innovation, Coordination and Enhancement funding (ICE)	6,127	6,018
Final public funding		$ 818,211	$ 809,352

Reduced-fare subsidies from the State of Illinois were $14,606,000 and $13,876,000 during the years ended December 31, 2019 and 2018, respectively, for discounted services provided to the elderly, disabled, or student riders.

(Continued)

NOTE 5 - CASH, CASH EQUIVALENTS, AND INVESTMENTS

Cash, Cash Equivalents, and Investments of the Business-type Activities

Cash, cash equivalents, and investments are reported in the Statements of Net Position of the business-type activities as follows as of December 31, 2019 and 2018 (in thousands of dollars):

	2019	2018
Current assets:		
Cash and cash equivalents	$ 111,639	$ 49,354
Restricted for damage reserve	50,071	57,769
Investments	14,900	43,691
Noncurrent assets:		
Bond proceeds held by trustee	353,926	429,758
Held by trustee for supplemental retirement plan	698	634
Total	$ 531,234	$ 581,206

Cash, cash equivalents, and investments of the business-type activities consist of the following as of December 31, 2019 and 2018 (in thousands of dollars):

	2019	2018
Investments:		
Certificates of deposit	$ 20	$ 9,477
Money market mutual funds	209,323	184,062
U.S. government agencies	153,613	219,781
U.S. Treasury notes	6,647	13,572
Municipal bonds	-	1,120
Commercial paper	98,896	93,683
Total Investments	468,499	521,695
Deposits with financial institutions	62,735	59,511
Total deposits and investments	$ 531,234	$ 581,206

Investment Policy: CTA investments are made in accordance with the Public Funds Investment Act (30 ILCS 235/1) (the Act) and, as required under the Act, the Chicago Transit Authority Investment Policy (the Investment Policy). The Investment Policy does not apply to the Employees Retirement Plan or the Retiree Healthcare Trust, which are separate legal entities. Additionally, the CTA Investment Policy does not apply to the Supplemental Retirement Plan, which is directed by the Employee Retirement Review Committee. In accordance with the Act and the Investment Policy, CTA can invest in the following types of securities:

1. United States Treasury Securities (Bonds, Notes, Certificates of Indebtedness, and Bills). CTA may invest in obligations of the United States government, which are guaranteed by the full faith and credit of the United States of America as to principal and interest.
2. United States Agencies. CTA may invest in bonds, notes, debentures, or other similar obligations of the United States or its agencies. Agencies include: (a) federal land banks, federal intermediate credit banks, banks for cooperative, federal farm credit bank, or other entities authorized to issue debt obligations under the Farm Credit Act of 1971, as amended; (b) federal home loan banks and the federal home loan mortgage corporation; and (c) any other agency created by an act of Congress.

(Continued)

NOTE 5 - CASH, CASH EQUIVALENTS, AND INVESTMENTS (Continued)

3. Bank Deposits. CTA may invest in interest-bearing savings accounts, interest-bearing certificates of deposit, or interest-bearing time deposits or other investments constituting direct obligations of any bank as defined by the Illinois Banking Act (205 ILCS 5/1 et seq.), provided that any such bank must be insured by the Federal Deposit Insurance Corporation (the FDIC) and no more than 33.33% of the maximum portfolio percentage amount allowed by the chart in Section 2B of the Investment Policy for investment in Certificates of Deposit may be invested in Certificates of Deposit of a single issuer of such Certificates.
4. Commercial Paper. CTA may invest in short-term obligations (commercial paper) of corporations organized in the United States with assets exceeding $500 million, provided that: (a) such obligations are at the time of purchase at the highest classification for short-term obligations and one of the three highest classifications for long-term obligations established by at least two standard rating services and which mature no later than 3 years from the date of purchase; (b) such purchases do not exceed 10% of the corporation's outstanding obligations; (c) no more than one-third of the Authority's funds may be invested in short term obligations of corporations; and (d) no more than 25% of the maximum portfolio percentage allowed by the chart in Section 2B of the Investment Policy for all Corporate Obligations may be invested in Corporate Obligations of a single issuer.
5. Mutual Funds. CTA may invest in mutual funds which invest exclusively in United States government obligations and agencies.
6. Investment Pool. CTA may invest in a Public Treasurers' Investment Pool created under Section 17 of the State Treasurer Act (15 ILCS 505/17).
7. Repurchase Agreements. CTA may invest in repurchase agreements for securities that are authorized investments under the Investment Policy, subject to all of the requirements of the Act, provided that: (a) the securities shall be held by a custodial bank authorized by the Chicago Transit Board; and (b) each transaction must be entered into under terms of a master repurchase agreement in a form authorized by the Chicago Transit Board.
8. Interest-bearing bonds of any county, township, city, village, incorporated town, municipal corporation, or school district, of the State of Illinois, of any other state, or of any political subdivision or agency of the State of Illinois or of any other state, whether the interest earned thereon is taxable or tax-exempt under federal law. The bonds shall be registered in the name of the Authority or held under a custodial agreement at a bank. The bonds shall be rated, at the time of purchase, no lower than 'A' category by at least two accredited rating agencies with nationally recognized expertise in rating bonds of states and their political subdivisions. The maturity of the bonds authorized by this subsection (8) shall, at the time of purchase, not exceed 5 years; provided that a longer maturity is authorized if the Authority has a put option on the bonds to demand early repayment on the bonds within 5 years from the date of purchase. These securities shall show on their face that they are fully payable as to principal and interest, where applicable, if any, within five years from the date of purchase.

Custodial Credit Risk: Custodial credit risk for deposits is the risk that in the event of a financial institution failure, the CTA's deposits may not be returned. Custodial credit risk for investments is the risk that, in the event of the failure of the counterparty, the CTA will not be able to recover the value of its investments or collateral securities that are in the possession of a third party. The Investment Policy requires that investment securities be held by an authorized custodial bank pursuant to a written custodial agreement.

In addition, the Investment Policy requires that whenever funds are deposited in a financial institution in an amount which causes the total amount of the Authority's funds deposited with such institution to exceed the amount which is protected by the FDIC, all deposits which exceed the amount insured be collateralized, at the rate of 102% of such deposit, by: bonds, notes, certificates of indebtedness, Treasury bills, or other securities which are guaranteed by the full faith and credit of the United States of

NOTE 5 - CASH, CASH EQUIVALENTS, AND INVESTMENTS (Continued)

America as to principal and interest or, at the rate of 110% of such deposit, by: bonds, notes, debentures, or other similar obligations of agencies of the United States of America. As of December 31, 2019 and 2018, the CTA's bank balances were fully insured or collateralized.

Interest Rate Risk: Interest rate risk is the risk that the fair value of the CTA's investments will decrease as a result of an increase in interest rates. As a means of limiting its exposure to fair value losses arising from rising interest rates, the Investment Policy limits the allocation of the portfolio and the term of investments as follows:

Instrument type	Maximum Investment Level	Actual Investment Level	Term of investment
U.S. Treasuries	100%	1%	3 years
Repurchase Agreements	33%	0%	330 days
Certificates of Deposit	30%	0%	365 days
Corporate Obligations	33%	21%	3 years
Government Money Market Funds	50%	45%	n.a.
U.S. Government Agencies	75%	33%	5 years
Municipal Bonds (Callable)	25%	0%	5 years
Investment Pool - Illinois Fund	25%	0%	n.a.

As of December 31, 2019, the maturities for the CTA's fixed-income investments are as follows (in thousands of dollars):

		Investment maturities (by years)		
	Fair value	Less than 1	1 - 5	5+
Certificates of deposit	$ 20	$ 20	$ -	$ -
Money market mutual funds	209,323	209,323	-	-
U.S. government agencies	153,613	128,627	24,896	-
U.S. Treasury notes	6,647	6,647	-	-
Commercial paper	98,896	98,896	-	-
Total	$ 468,499	$ 443,513	$ 24,896	$ -

NOTE 5 - CASH, CASH EQUIVALENTS, AND INVESTMENTS (Continued)

As of December 31, 2018, the maturities for the CTA's fixed-income investments are as follows (in thousands of dollars):

		Investment maturities (by years)		
	Fair value	Less than 1	1 - 5	5+
Certificates of deposit	$ 9,477	$ 9,477	$ -	$ -
Money market mutual funds	184,062	184,062	-	-
U.S. government agencies	219,781	145,962	73,819	-
U.S. Treasury notes	13,572	13,572	-	-
Municipal bonds	1,120	1,120	-	-
Commercial paper	93,683	93,683	-	-
Total	$ 521,695	$ 447,876	$ 73,819	$ -

Credit Risk: Credit risk is the risk that the CTA will not recover its investments due to the failure of the counterparty to fulfill its obligation. To address this risk, the CTA invests in accordance with its Investment Policy which states investments held by CTA are backed by the United States Government, which are valued at AAA, municipal bonds that shall be rated, at the time of purchase, no lower than 'A' category by at least two accredited rating agencies with nationally recognized expertise in rating bonds of states and their political subdivisions, and commercial paper that are at the time of purchase at the highest classification established by at least two standard rating services and which mature not later than three years from the date of purchase.

As of December 31, 2019, the CTA had the following fixed-income investments which are rated by both Moody's and Standard and Poor's (in thousands of dollars):

		Credit ratings				
	Fair value	A1P1 or AAA	A2P2 or AA	A3P3 or A	B	Not rated
Money market mutual funds	$ 209,323	$ 209,323	$ -	$ -	$ -	$ -
U.S. government agencies	153,613	153,613	-	-	-	-
U.S. Treasury notes	6,647	6,647	-	-	-	-
Commercial paper	98,896	98,896	-	-	-	-
Total	$ 468,479	$ 468,479	$ -	$ -	$ -	$ -

(Continued)

NOTE 5 - CASH, CASH EQUIVALENTS, AND INVESTMENTS (Continued)

As of December 31, 2018, the CTA had the following fixed-income investments which are rated by both Moody's and Standard and Poor's (in thousands of dollars):

		Credit ratings				
	Fair value	A1P1 or AAA	A2P2 or AA	A3P3 or A	B	Not rated
Money market mutual funds	$ 184,062	$ 156,428	$ -	$ -	$ -	$ 27,634
U.S. government agencies	219,781	219,781	-	-	-	-
U.S. Treasury notes	13,572	13,572	-	-	-	-
Municipal bonds	1,120	1,120	-	-	-	-
Commercial paper	93,683	93,683	-	-	-	-
Total	$ 512,218	$ 484,584	$ -	$ -	$ -	$ 27,634

Concentration of Credit Risk: Except for investments in certificates of deposits and commercial paper, the CTA does not restrict the amount which may be invested in authorized investments of a single issuer or financial institution. No more than 30 percent of the maximum portfolio percentage amount allowed for investment in certificates of deposit may be invested in certificates of deposit of a single issuer of such certificates. No more than 25 percent of the maximum portfolio percentage amount allowed for investment in commercial paper may be invested in commercial paper of a single issuer of such commercial paper.

As of December 31, 2019, the CTA had investments in Goldman Sachs – Amalgamated (28.02%), Federal Home Loan Bank (FHLB) (20.44%), Morgan Stanley – Zions Bank (16.66%), Cabrera (12.60%), Federal National Mortgage Association (FNMA) (7.02%), Great Pacific (5.74%), and Federal Home Loan Mortgage Corporation (FHLMC) (5.33%), that exceeded 5 percent of the total investment balance. As of December 31, 2018, the CTA had investments in the Federal Home Loan Mortgage Corporation (FHLMC) (23.78%), Federal Home Loan Bank (FHLB) (11.46%), Federal National Mortgage Association (FNMA) (6.90%), Morgan Stanley (11.95%), and Goldman Sachs – Amalgamated (23.33%), that exceeded 5 percent of the total investment balance.

Fair Value: CTA categorizes its fair value measurements within the fair value hierarchy established by GAAP. The hierarchy is based on the valuation inputs used to measure fair value of the asset. Level 1 inputs are quoted prices in active markets for identical assets. Level 2 inputs are significant other observable inputs and are valued using a matrix pricing model. Level 3 inputs are significant unobservable inputs and are valued using future projected cash flows. CTA has the following fair value measurements as of December 31, 2019 and 2018 (in thousands of dollars).

	Fair Value Measurements as of December 31, 2019			
	Total Amount	Level 1	Level 2	Level 3
Federal Home Loan Bank	$ 95,756	$ -	$ 95,756	$ -
Federal National Mortgage Association	32,871	-	32,871	-
Federal Home Loan Mortgage Corporation	24,986	-	24,986	-
US Treasury Notes	6,647	6,647	-	-
Money market mutual funds	209,323	209,323	-	-
Commercial paper	98,896	-	98,896	-
Total	$ 468,479	$ 215,970	$ 252,509	$ -

(Continued)

NOTE 5 - CASH, CASH EQUIVALENTS, AND INVESTMENTS (Continued)

	Fair Value Measurements as of December 31, 2018			
	Total Amount	Level 1	Level 2	Level 3
Federal Home Loan Bank	$ 59,769	$ -	$ 59,769	$ -
Federal National Mortgage Association	35,975	-	35,975	-
Federal Home Loan Mortgage Corporation	124,037	-	124,037	-
US Treasury Notes	13,572	13,572	-	-
Municipal bonds	1,120	-	1,120	-
Money market mutual funds	184,062	184,062	-	-
Commercial paper	93,683	-	93,683	-
Total	$ 512,218	$ 197,634	$ 314,584	$ -

Cash, Cash Equivalents, and Investments of the Fiduciary Activities

Cash, cash equivalents, and investments are reported in the Fiduciary Fund as follows as of December 31, 2019 and 2018 (in thousands of dollars):

	2019	2018
Investments, at fair value:		
Short-term investments	$ 93	$ 282
U.S. fixed income	10,394	6,217
Global fixed income	-	2,398
Common stock	21,665	21,420
Real estate	4,217	4,163
Total	$ 36,369	$ 34,480

Investment Policy: The Employee Retirement Review Committee has been appointed as the fiduciary having responsibility for administering the Qualified Supplemental Retirement Plan, including the responsibility for allocating the assets of the trust fund among the separate accounts, for monitoring the diversification of the investments of the trust fund, for determining the propriety of investments of the trust fund in foreign securities and of maintaining the custody of foreign investments abroad, for assuring that the plan does not violate any provisions of applicable law limiting the acquisition or holding of certain securities or other property, and for the appointment and removal of an investment fiduciary. The Qualified Supplemental Retirement Plan is a qualified plan that is not subject to the Public Funds Investment Act.

In March 2005 the Employee Retirement Review Committee engaged a registered investment adviser under the Investment Advisers Act of 1940. The Employee Retirement Review Committee engaged a new registered investment adviser in October 2015. The investment adviser is authorized to invest and reinvest the assets of the Qualified Supplemental Retirement Plan and keep the same invested, without distinction between principal and income, in any property, real, personal or mixed or share or part thereof, or part interest thereof, or part interest therein, wherever situated, and whether or not productive of income, including: capital, common and preferred stock, and short-term investments.

(Continued)

NOTE 5 - CASH, CASH EQUIVALENTS, AND INVESTMENTS (Continued)

Interest Rate Risk: Interest rate risk is the risk that the fair value of the Qualified Supplemental Retirement Plan investments will decrease as a result of an increase in interest rates. The Employee Retirement Review Committee mitigates exposure to changes in interest rates by requiring that the assets of the Trust be invested in accordance with the following asset allocation guidelines as of December 31, 2019 and 2018:

Asset class	2019 Allocation	2018 Allocation
U.S. large cap equities	20.00%	14.50%
U.S. mid size cap equities	5.00	12.50
U.S. small cap equities	5.00	11.00
Developed non-U.S. equities	15.00	10.00
Small non-U.S. equities	—	5.00
Emerging markets equities	5.00	7.00
U.S. fixed income	30.00	20.00
Global fixed income	—	10.00
Real estate	10.00	10.00
Open-End Private Equity	10.00	—
	100.00%	100.00%

As of December 31, 2019, the maturities for the Plan's fixed-income investments are as follows (in thousands):

	Fair value	Investment Maturities (in years) Less than 1	1 - 5
Short-term investment funds	$ 93	$ 93	$ -
U.S. fixed income	10,394	10,394	-
Total	$ 10,487	$ 10,487	$ -

As of December 31, 2018, the maturities for the Plan's fixed-income investments are as follows (in thousands):

	Fair value	Investment Maturities (in years) Less than 1	1 - 5
Short-term investment funds	$ 282	$ 282	$ -
U.S. fixed income	6,217	6,217	-
Global fixed income	2,398	2,398	-
Total	$ 8,897	$ 8,897	$ -

(Continued)

NOTE 5 - CASH, CASH EQUIVALENTS, AND INVESTMENTS (Continued)

Credit Risk: Credit risk is the risk that the Qualified Supplemental Retirement Plan will not recover its investments due to the failure of the counterparty to fulfill its obligation.

As of December 31, 2019, the Plan had the following fixed-income investments which are not rated by either Moody's or Standard and Poor's (in thousands of dollars):

		Credit ratings	
	Fair value	**Government Secured**	**Not Rated**
Short-term investment funds	$ 93	$ -	$ 93
U.S. fixed income	10,394	-	10,394
Total	$ 10,487	$ -	$ 10,487

As of December 31, 2018, the Plan had the following fixed-income investments which are not rated by either Moody's or Standard and Poor's (in thousands of dollars):

		Credit ratings	
	Fair value	**Government Secured**	**Not Rated**
Short-term investment funds	$ 282	$ -	$ 282
U.S. fixed income	6,217	-	6,217
Global fixed income	2,398	-	2,398
Total	$ 8,897	$ -	$ 8,897

Custodial Credit Risk – Investments: Custodial credit risk is the risk that, in the event of the failure of the counterparty, the Qualified Supplemental Retirement Plan will not be able to recover the value of its investments or collateral securities that are in the possession of a third party. The investment securities are held in trust pursuant to a written trust agreement.

Foreign Currency Risk: Foreign currency risk is the risk that changes in exchange rates will adversely impact the fair value of an investment. There was no foreign currency risk as of December 31, 2019 or 2018.

NOTE 5 - CASH, CASH EQUIVALENTS, AND INVESTMENTS (Continued)

Fair Value: The Qualified Supplemental Plan categorizes its fair value measurements within the fair value hierarchy established by GAAP. The hierarchy is based on the valuation inputs used to measure fair value of the asset. Level 1 inputs are quoted prices in active markets for identical assets. Level 2 inputs are significant other observable inputs and are valued using a matrix pricing model. Level 3 inputs are significant unobservable inputs and are valued using future projected cash flows. The Qualified Supplemental Plan has the following fair value measurements as of December 31, 2019 and 2018 (in thousands of dollars).

	Fair Value Measurements as of December 31, 2019			
	Total Amount	Level 1	Level 2	Level 3
Global Fixed Income	$ -	$ -	$ -	$ -
Common Stock	-	-	-	-
Total investments by fair value level	$ -	$ -	$ -	$ -
Investments measured at Net Asset Value				
U.S. Fixed Income	10,394			
Common Stock	13,751			
Common Stock - Global	7,914			
Real Estate	4,217			
Total investments	$ 36,276			

	Fair Value Measurements as of December 31, 2018			
	Total Amount	Level 1	Level 2	Level 3
Global Fixed Income	$ 2,398	$ 2,398	$ -	$ -
Common Stock	1,440	1,440	-	-
Total investments by fair value level	$ 3,838	$ 3,838	$ -	$ -
Investments measured at Net Asset Value:				
U.S. Fixed Income	6,217			
Common Stock	16,059			
Common Stock - Global	3,921			
Real Estate	4,163			
Total investments	$ 34,198			

Investment in Certain Entities that Calculate Net Asset Value Per Share

CTA measures certain investments that do not have a readily determinable fair value using NAV as a practical expedient. The Real Estate, Common Stock – Global, and the U.S. Fixed Income and Common Stock are generally structured as limited partnerships, limited liability corporations, or collective trusts, respectively, with an investment manager and are created by raising pools of capital from investors that will be invested according to one or more specific investment strategies. Investors commit capital to the fund, and as the investment manager identifies investment opportunities, the committed capital is called to purchase the investments.

NOTE 5 - CASH, CASH EQUIVALENTS, AND INVESTMENTS (Continued)

The following table displays information regarding investments that use NAV per share (or equivalent) as their fair value measurement as of December 31, 2019 and 2018 (in thousands of dollars):

	Net Asset Value Practical Expedient			
	Fair Value December 31, 2019	Total Unfunded Commitments	Redemption Frequency if Currently Eligible	Redemption Notice Period
U.S. Fixed Income	$ 10,394	$ -	N/A	N/A
Common Stock	13,751	-	N/A	N/A
Common Stock - Global	7,914	-	N/A	30 Days
Real Estate	4,217	-	Quarterly on a Calendar Basis.	60 Days

	Net Asset Value Practical Expedient			
	Fair Value December 31, 2018	Total Unfunded Commitments	Redemption Frequency if Currently Eligible	Redemption Notice Period
U.S. Fixed Income	$ 6,217	$ -	N/A	N/A
Common Stock	16,059	-	N/A	N/A
Common Stock - Global	3,921	-	N/A	30 Days
Real Estate	4,163	-	Quarterly on a Calendar Basis.	60 Days

Restricted Assets for Repayment of Leasing Commitments

The CTA had outstanding lease/leaseback obligations. When the CTA entered into these transactions it received advance payments. The CTA deposited a portion of the advance payment with a trustee, who was to purchase direct obligations of the U.S. government and other securities that would mature on the dates and in the amounts required to pay lease payments and the respective purchase option price. These investments were held by the trustee and were invested in U.S. Treasury strips, U.S. government obligations, or guaranteed investment contracts. Because these investments were insured by a third party and were held in U.S. Treasuries and government investment contracts they were not recorded at fair value but were recorded at amortized cost on the Statements of Net Position.

The last of these lease/leaseback agreements were terminated in December 2018. Therefore, there were no restricted assets for repayment of leasing commitments as of December 31, 2019 or December 31, 2018.

NOTE 6 - CAPITAL ASSETS

The CTA has capital grant contracts with federal, state, and regional agencies, including the U.S. Department of Transportation, Federal Transit Administration (FTA), the State of Illinois Department of Transportation (IDOT), established under the Transportation Bond Act, and the RTA. Under these contracts, the CTA has acquired rapid-transit cars, buses, and equipment and is constructing, renewing, and improving various portions of track structures and related operating facilities and systems. It is anticipated that the FTA will finance approximately 80% of the total cost of the federal projects, with the balance of the cost being financed principally by IDOT, the RTA, and CTA bonds. Commitments of approximately $410,404,000 and $500,997,000 have been entered into for federal and state (including local) capital grant contracts as of December 31, 2019 and 2018, respectively.

The CTA also has additional capital grant contracts, which are 100% funded by the RTA, IDOT, FEMA, IEMA, or CTA bonds. Commitments of approximately $462,605,000 and $481,904,000 have been entered into for these state and local capital grants as of December 31, 2019 and 2018, respectively. Changes in capital assets for the year ended December 31, 2019 are as follows (in thousands of dollars):

	January 1, 2019	Increase	Decrease	December 31, 2019
Capital assets not being depreciated:				
Land	$ 171,201	$ 1,827	$ -	$ 173,028
Construction in process	633,054	623,856	(655,339)	601,571
Total capital assets not being depreciated	804,255	625,683	(655,339)	774,599
Capital assets being depreciated:				
Land improvements	63,642	108,672	(66)	172,248
Buildings	3,068,849	252,002	(11,145)	3,309,706
Transportation vehicles	3,843,953	94,554	(26,819)	3,911,688
Elevated structure track	2,609,703	77,901	(396)	2,687,208
Signal and communication	1,454,561	65,386	(2,245)	1,517,702
Other equipment	809,590	54,999	(32,929)	831,660
Total capital assets being depreciated	11,850,298	653,514	(73,600)	12,430,212
Less accumulated depreciation for:				
Land improvements	37,835	22,173	(66)	59,942
Buildings	1,675,899	126,865	(11,145)	1,791,619
Transportation vehicles	2,524,840	168,464	(26,819)	2,666,485
Elevated structure track	1,716,619	80,904	(396)	1,797,127
Signal and communication	1,063,533	55,607	(2,245)	1,116,895
Other equipment	699,281	46,462	(32,929)	712,814
Total accumulated depreciation	7,718,007	500,475	(73,600)	8,144,882
Total capital assets being depreciated, net	4,132,291	153,039	-	4,285,330
Total capital assets, net	$ 4,936,546	$ 778,722	$ (655,339)	$ 5,059,929

(Continued)

NOTE 6 - CAPITAL ASSETS (Continued)

Changes in capital assets for the year ended December 31, 2018 are as follows (in thousands of dollars):

	January 1, 2018	Increase	Decrease	December 31, 2018
Capital assets not being depreciated:				
Land	$ 147,585	$ 23,616	$ -	$ 171,201
Construction in process	458,265	488,005	(313,216)	633,054
Total capital assets not being depreciated	605,850	511,621	(313,216)	804,255
Capital assets being depreciated:				
Land improvements	46,373	17,269	-	63,642
Buildings	2,976,898	92,147	(196)	3,068,849
Transportation vehicles	3,791,188	80,789	(28,024)	3,843,953
Elevated structure track	2,571,317	38,393	(7)	2,609,703
Signal and communication	1,430,160	27,165	(2,764)	1,454,561
Other equipment	780,482	33,837	(4,729)	809,590
Total capital assets being depreciated	11,596,418	289,600	(35,720)	11,850,298
Less accumulated depreciation for:				
Land improvements	33,482	4,353	-	37,835
Buildings	1,570,025	106,070	(196)	1,675,899
Transportation vehicles	2,377,248	175,616	(28,024)	2,524,840
Elevated structure track	1,641,874	74,752	(7)	1,716,619
Signal and communication	1,018,932	47,365	(2,764)	1,063,533
Other equipment	652,719	51,291	(4,729)	699,281
Total accumulated depreciation	7,294,280	459,447	(35,720)	7,718,007
Total capital assets being depreciated, net	4,302,138	(169,847)	-	4,132,291
Total capital assets, net	$ 4,907,988	$ 341,774	$ (313,216)	$ 4,936,546

(Continued)

NOTE 7 - LONG-TERM OBLIGATIONS

Changes in long-term obligations for the year ended December 31, 2019 are as follows (in thousands of dollars):

	Balance at January 1, 2019	Additions	Reductions	Balance at December 31, 2019	Amount due beyond one year	Amount due within one year
Self insurance claims (note 16)	$ 263,246	$ 158,362	$ (165,081)	$ 256,527	$ 185,625	$ 70,902
Bonds payable:						
Bonds payable (note 9)	4,113,875	-	(97,860)	4,016,015	3,914,175	101,840
Premium on bonds payable	103,909	-	(11,558)	92,351	92,351	-
Total bonds payable	4,217,784	-	(109,418)	4,108,366	4,006,526	101,840
Direct Borrowings:						
Capital lease obligations:						
Capital lease obligations (note 8)	83,518	-	(15,651)	67,867	58,330	9,537
Premium on capital lease obligation	3,033	-	(357)	2,676	2,676	-
Total capital lease obligations	86,551	-	(16,008)	70,543	61,006	9,537
Transportation Infrastructure Finance and Innovation Act (TIFIA) bonds payable (note 12)	80,443	2,840	-	83,283	81,731	1,552
Certificates of participation (note 10)	15,294	-	(7,543)	7,751	-	7,751
Fare system purchase agreement (note 11)	57,113	-	(10,396)	46,717	35,831	10,886
Total direct borrowings	239,401	2,840	(33,947)	208,294	178,568	29,726
Other long-term liabilities:						
Net pension liability (note 13 & 14)	1,691,674	187,364		1,879,038	1,879,038	-
Total OPEB liability (note 15)	9,751	69		9,820	9,820	-
Capital line of credit - note purchase agreement (note 17)	49,250	196,815	(37,900)	208,165	119,000	89,165
Other	20	-	-	20	20	-
Total other long-term liabilities	1,750,695	384,248	(37,900)	2,097,043	2,007,878	89,165
Total	$ 6,471,126	$ 545,450	$ (346,346)	$ 6,670,230	$ 6,378,597	$ 291,633

(Continued)

NOTE 7 - LONG-TERM OBLIGATIONS (Continued)

Changes in long-term obligations for the year ended December 31, 2018 are as follows (in thousands of dollars):

	Balance at January 1, 2018	Additions	Reductions	Balance at December 31, 2018	Amount due beyond one year	Amount due within one year
Self insurance claims (note 16)	$ 260,400	$ 218,413	$ (215,567)	$ 263,246	$ 184,501	$ 78,745
Bonds payable:						
Bonds payable (note 9)	4,205,500	-	(91,625)	4,113,875	4,016,015	97,860
Premium on bonds payable	116,820	-	(12,911)	103,909	103,909	-
Total bonds payable	4,322,320	-	(104,536)	4,217,784	4,119,924	97,860
Direct Borrowings:						
Capital lease obligations:						
Capital lease obligations (note 8)	181,269	1,967	(99,718)	83,518	67,867	15,651
Premium on capital lease obligation	3,406	-	(373)	3,033	3,033	-
Total capital lease obligations	184,675	1,967	(100,091)	86,551	70,900	15,651
Transportation Infrastructure Finance and Innovation Act (TIFIA) bonds payable (note 12)	-	80,443	-	80,443	80,443	-
Certificates of participation (note 10)	22,633	-	(7,339)	15,294	7,751	7,543
Fare system purchase agreement (note 11)	67,041	-	(9,928)	57,113	46,717	10,396
Total direct borrowings	274,349	82,410	(117,358)	239,401	205,811	33,590
Other long-term liabilities:						
Net pension liability (note 13 & 14)	1,753,459	-	(61,785)	1,691,674	1,691,674	-
Total OPEB liability (note 15)	11,648		(1,897)	9,751	9,751	-
Capital line of credit - note purchase agreement (note 17)	-	49,250	-	49,250	49,250	-
Line of credit - note purchase agreement (note 17)	22,500	-	(22,500)	-	-	-
Other	20	-	-	20	20	-
Total other long-term liabilities	1,787,627	49,250	(86,182)	1,750,695	1,750,695	-
Total	$ 6,644,696	$ 350,073	$ (523,643)	$ 6,471,126	$ 6,260,931	$ 210,195

During 2018, the CTA implemented GASB 75, changing the Net OPEB obligation to the Total OPEB liability that is now disclosed in the Statement of Net Position as of December 31, 2018.

NOTE 8 - CAPITAL LEASE OBLIGATIONS

Capital Lease – 2008 Bus Lease: During 2008, the CTA entered into a lease-purchase agreement to finance the purchase of 150 sixty-foot New Flyer articulated hybrid buses and certain related parts and equipment with a book value of $13,563,000 and $21,951,000 at December 31, 2019 and 2018, respectively. The terms of the 2008 agreement allow CTA to lease the buses for 12 years and retain ownership at the conclusion of the lease. Lease payments are due every June 1 and December 1 of each year. During 2013, CTA terminated the 2008 agreement and entered into a 2013 lease-purchase agreement with the same term and reduced rental payments. A deferred loss on refunding of $3,207,000 was recorded at the time of the 2013 transaction. The remaining unamortized loss of $30,000 and $196,000 are recorded as deferred outflows of resources as of December 31, 2019 and 2018, respectively. The present value of the future payments to be made by the CTA under the lease of approximately $6,472,000 and $19,208,000 is reflected in the accompanying December 31, 2019 and 2018 Statements of Net Position, respectively, as a capital lease obligation.

NOTE 8 - CAPITAL LEASE OBLIGATIONS (Continued)

This lease contains a provision that in the event of a termination event, the total amount of unpaid principal and accrued interest become due immediately or Lessor can demand the return or repossess the buses as defined in the Lessor Remedies Upon Termination Event section.

Capital Lease – Public Building Commission: In 2003, the Public Building Commission of Chicago (PBC) issued revenue bonds for the benefit of the CTA in the amount of $119,020,000. The bonds were issued to pay costs associated with the acquisition of real property and construction of a building, and facilities, including certain furniture, fixtures, and equipment. The real property, building and facilities, and all furniture, fixtures, and equipment are owned by the PBC and leased to the CTA for use as its headquarters. On October 26, 2006, the Public Building Commission of Chicago (PBC) issued Building Refunding Revenue Bonds for the benefit of the CTA in the amount of $91,340,000. The proceeds of the bonds were used to advance refund the Public Building Commission of Chicago, Series 2003 bonds. The principal amount of the bonds refunded was $111,120,000.

The proceeds from the sale of the 2006 bonds are being held in escrow under an escrow refunding agreement and have been invested in United States Treasury obligations. The principal amount of such obligations, together with interest earned thereon, will permit the payment of principal and interest on the refunded bonds up to an including their respective call dates. The refunded bonds are treated in the financial statements as defeased obligations. Accordingly, neither the trust account assets nor the refunded bonds appear in the accompanying financial statements. This refunding decreased annual debt service payments over 27 years by approximately $388,000, resulting in an economic gain of approximately $20,404,000. Based upon the requirements of GASB Statement No. 23, *Accounting and Financial Reporting for Refundings of Debt Reported by Proprietary Accounts*, the CTA recorded a deferred amount (loss) on refunding of $2,395,000. The remaining unamortized portion of $418,000 and $539,000 are recorded as deferred outflows of resources in the accompanying Statements of Net Position as of December 31, 2019 and 2018, respectively.

The bonds are payable from and secured by the lease entered into between the Commission and the CTA and are considered a general obligation of the CTA payable from any lawfully available funds. The bond premium related to this transaction is presented as such on the Statements of Net Position. The present value of the future payments to be made by the CTA under the lease of approximately $61,395,000 and $64,310,000 is reflected in the accompanying December 31, 2019 and 2018 Statements of Net Position, respectively, as a capital lease obligation.

Capital Lease – Lease and Leaseback Transactions: During 1998, the CTA entered into lease and leaseback agreements with three third-party investors pertaining to certain property, railway tracks and train stations on the Green Line, with a book value of $125,898,000 at December 31, 2018. The 1998 Agreement, which provides certain cash and tax benefits to the third parties, also provides for a trust established by the CTA to lease the rail line to an equity investor trust (the 1998 Equity Trust), which would then lease the facilities back to another trust established by the CTA under a separate lease (the 1998 Lease). In 2008, one of the three investors chose to unwind the transaction and the corresponding agreements (1998-NL) were terminated. On March 6, 2015, another investor chose to unwind the transaction and the corresponding agreements (1998-PB) were terminated. The last of the three Green Line lease and leaseback agreements (1998-JH) was terminated on December 17, 2018. Therefore, no capital lease obligation is reflected as of December 31, 2019 or 2018.

NOTE 8 - CAPITAL LEASE OBLIGATIONS (Continued)

Change in Capital Lease Obligations: Changes in capital leases for the year ended December 31, 2019 are as follows (in thousands of dollars):

2019	Beginning balance	Additions	Principal paid	Ending balance	Interest paid	Due in one year
2008 Bus Lease	$ 19,208	$ -	$ (12,736)	$ 6,472	$ 350	$ 6,472
2006 PBC lease	64,310	-	(2,915)	61,395	3,272	3,065
Total capital lease obligation	$ 83,518	$ -	$ (15,651)	$ 67,867	$ 3,622	$ 9,537

Change in Capital Lease Obligations: Changes in capital leases for the year ended December 31, 2018 are as follows (in thousands of dollars):

2018	Beginning balance	Additions*	Principal paid	Ending balance	Interest paid	Due in one year
2008 Bus Lease	$ 31,671	$ -	$ (12,463)	$ 19,208	$ 623	$ 12,736
2006 PBC lease	67,095	-	(2,785)	64,310	3,404	2,915
1998 (Green) - Lease / Leaseback	82,503	1,967	(84,470)	-	1,967	-
Total capital lease obligation	$ 181,269	$ 1,967	$ (99,718)	$ 83,518	$ 5,994	$ 15,651

* Additions include accretion of interest.

Future Minimum Lease Payments: As of December 31, 2019 future minimum lease payments for capital leases, in the aggregate, are as follows (in thousands of dollars):

2020	$ 9,537
2021	3,225
2022	3,390
2023	3,565
2024	3,760
2025 - 2029	22,060
2030 - 2033	22,330
Total minimum lease payments	67,867
Less interest	-
	$ 67,867

NOTE 9 - BONDS PAYABLE

2008 Series (5309 Fixed Guideway Modernization Program) and 2008A Series (5307 Urbanized Area Formula Program) Capital Grant Receipts Revenue Bonds: On April 16, 2008, the CTA issued Capital Grant Receipts Revenue Bonds, "2008 Project," in the amount of $250,000,000, along with a premium of $18,637,000, in anticipation of the receipt of grants from the federal government. The bonds were issued to provide funds to finance or reimburse the CTA for expenditures relating to a portion of the costs of capital improvements to the Transportation System referred to as the "2008 Project." The Federal Transit Administration's section 5307 program is a formula grant program for metropolitan areas providing capital, operating or planning assistance for mass transportation. The section 5309 program is a formula grant program providing capital assistance for the modernization of existing rail systems.

NOTE 9 - BONDS PAYABLE (Continued)

The Series 2008 (5309) and 2008A (5307) bonds bear interest ranging from 3.5% to 5.25%. Interest is payable semiannually on June 1 and December 1 and the bonds mature serially through June 1, 2026.

The Capital Grant Receipts Revenue Bonds, Refunding Series 2010 refunded the maturities dated June 1, 2010 through June 1, 2011 of the 5307 (Series 2004A, 2004B and 2006A) and 5309 (Series 2008 and 2008A) bonds.

The Capital Grant Receipts Revenue Bonds, Refunding Series 2017 refunded the maturities dated June 1, 2019 through June 1, 2026 of the 5309 (Series 2008) bonds and the maturities dated June 1, 2022 through June 1, 2026 of the 5307 (Series 2008A) bonds.

There are no bond debt service requirements as of December 31, 2019 and 2018.

<u>2008A Series (5309 Fixed Guideway Modernization Program) Capital Grant Receipts Revenue Bonds</u>: On November 20, 2008, the CTA issued Capital Grant Receipts Revenue Bonds, “2008 Project,” in the amount of $175,000,000, along with a premium of $3,760,000, in anticipation of the receipt of grants from the federal government. The bonds were issued to provide funds to finance or reimburse the CTA for expenditures relating to a portion of the costs of capital improvements to the Transportation System referred to as the “2008 Project.” The section 5309 program is a formula grant program providing capital assistance for the modernization of existing rail systems.

The Series 2008A (5309) bonds bear interest ranging from 5.0% to 6.0%. Interest is payable semiannually on June 1 and December 1 and the bonds mature serially through June 1, 2026.

The Capital Grant Receipts Revenue Bonds, Refunding Series 2010 refunded the maturities dated June 1, 2010 through June 1, 2011 of the 5307 (Series 2004A, 2004B and 2006A) and 5309 (Series 2008 and 2008A) bonds.

The Capital Grant Receipts Revenue Bonds, Refunding Series 2015 5337 bonds refunded the maturities dated June 1, 2016, 2024 thru 2026 of the 5337 Series 2008A bonds.

The Capital Grant Receipts Revenue Bonds, Refunding Series 2017 refunded the maturities dated June 1, 2019 through June 1, 2023 of the 5309 (Series 2008A) bonds.

There are no bond debt service requirements as of December 31, 2019 and 2018.

<u>2008A Series (Pension Funding) and 2008B Series (Retiree Health Care Funding) Sales and Transfer Tax Receipts Revenue Bonds</u>: On July 30, 2008, the CTA issued Sales and Transfer Tax Receipts Revenue Bonds in the amount of $1,936,855,000 to fund the employee retirement plan and to create a retiree health care trust. The bonds were sold in two tranches, a $1.3 billion Series A to fund the employee’s retirement plan and a $640 million Series B to fund a permanent trust that was established to cover other postemployment benefits for retirees’ health care. The bonds are secured primarily by a pledge of and lien on the Sales Tax Receipts Fund and the Transfer Tax Receipts Fund deposits. The bonds were issued pursuant to the pension and retiree health care reform requirements set forth in Public Acts 94-839 and 95-705.

Public Act 94-839 required the CTA to make contributions to its retirement system in an amount which, together with the contributions of its participants, interest earned on investments and other income, were sufficient to bring the total assets of the retirement system up to 90% of its total actuarial liabilities by the end of fiscal year 2058. Additionally, Public Act 94-839 required that the Retirement Plan’s pension and retiree health care programs be separated into two distinct trusts by December 31, 2008.

(Continued)

NOTE 9 - BONDS PAYABLE (Continued)

Public Act 95-708 modified this directive slightly and added a number of other requirements. First, a new Retirement Plan Trust will be created to manage the Retirement Plan assets. Second, CTA contributions and employee contributions were increased. Third, in addition to the requirement that the Retirement Plan be 90% funded by 2059, there is a new requirement that the Retirement Plan be funded at a minimum of 60% by September 15, 2009. Any deviation from the stated projections could result in a directive from the State of Illinois Auditor General to increase the CTA and employee contributions. Fourth, Public Act 95-708 authorized the CTA to issue $1.9 billion in pension obligation bonds to fund the pension and retiree health care. Finally, the legislation provides that CTA will have no future responsibility for retiree healthcare costs after the bond funding. In accordance with Public Act 95-708, all retiree healthcare benefits are now paid from the newly established Retiree Health Care Trust.

This bond contains a provision that in the event of default, the CTA upon demand of the Trustee shall pay any amounts remaining in the Sales Tax Receipt Fund and the Transfer Tax Receipts Fund, as defined by the bond agreement, and all tax receipts as promptly as practicable after receipt.

The Series 2008A and 2008B bonds bear interest ranging from 5.1% to 6.9%. Scheduled interest on the 2008A and 2008B bonds will be funded through June 1, 2009 and June 1, 2010, respectively, with bond proceeds and interest earnings thereon. Interest is payable semiannually on June 1 and December 1 and the bonds mature serially on June 1, 2013 through June 1, 2040.

The bond debt service requirements to maturity are as follows (in thousands of dollars):

	Principal	Interest	Total
2020	$ 39,010	$ 117,566	$ 156,576
2021	41,465	115,109	156,574
2022	44,080	112,496	156,576
2023	47,120	109,455	156,575
2024	50,370	106,205	156,575
2025	53,845	102,730	156,575
2026	57,560	99,015	156,575
2027	61,530	95,044	156,574
2028	65,775	90,799	156,574
2029	70,310	86,261	156,571
2030	75,165	81,410	156,575
2031	80,350	76,225	156,575
2032	85,895	70,681	156,576
2033	91,820	64,755	156,575
2034	98,150	58,421	156,571
2035	104,925	51,649	156,574
2036	112,165	44,411	156,576
2037	119,905	36,672	156,577
2038	128,170	28,400	156,570
2039	137,015	19,558	156,573
2040	146,470	10,105	156,575
Total	$ 1,711,095	$ 1,576,967	$ 3,288,062

NOTE 9 - BONDS PAYABLE (Continued)

2010A Sales Tax Receipts Revenue Bonds and Taxable Series 2010B Sales Tax Receipts Revenue Bonds (Build America Bonds): On March 23, 2010, the CTA issued the Sales Tax Receipts Revenue Bonds, Series 2010A and Taxable Series 2010B Build America Bonds, in the amount of $550,000,000, along with a premium of $5,186,000. The bonds were issued to provide funds to finance or reimburse the CTA for expenditures relating to the purchase of new rail cars, overhaul and rehabilitation of existing rail cars, and the purchase and installation of upgrades for rail system components. The American Recovery and Reinvestment Act of 2009 created the Build America Bond (BAB) Program. This program allows state and local governments to issue taxable bonds for capital projects and to receive a federal subsidy payment from the U.S. Treasury Department for a portion of their borrowing costs.

This bond contains a provision that in the event of default, the CTA, upon demand of the Trustee shall pay, after payment is made on the 2008A and 2008B Pension and Retiree Health Care Funding bonds, any amounts remaining in the Sales Tax Receipts Fund, as defined by the bond agreement, and all Sales Tax Receipts as promptly as practicable after receipt.

The Series 2010A and 2010B bonds bear interest ranging from 4.0% to 6.2%. Scheduled interest on the 2010 bonds was funded through December 1, 2010 with proceeds of the 2010 bonds and interest earnings thereon. Interest is payable semiannually on June 1 and December 1 and the bonds mature serially on June 1, 2015 through June 1, 2040.

The bond debt service requirements to maturity are as follows (in thousands of dollars):

	2010B		
	Principal	Interest	Total
2020	$ 11,510	$ 30,798	$ 42,308
2021	12,095	30,214	42,309
2022	12,720	29,583	42,303
2023	13,405	28,900	42,305
2024	14,135	28,167	42,302
2025	14,930	27,372	42,302
2026	15,855	26,447	42,302
2027	16,835	25,464	42,299
2028	17,880	24,420	42,300
2029	18,985	23,311	42,296
2030	20,155	22,134	42,289
2031	21,400	20,885	42,285
2032	22,725	19,558	42,283
2033	24,135	18,149	42,284
2034	31,820	16,653	48,473
2035	33,785	14,680	48,465
2036	35,875	12,585	48,460
2037	38,090	10,361	48,451
2038	40,455	7,999	48,454
2039	42,955	5,491	48,446
2040	45,610	2,828	48,438
Total	$ 505,355	$ 425,999	$ 931,354

There are no bond debt service requirements on the Series 2010A bonds as of December 31, 2019.

NOTE 9 - BONDS PAYABLE (Continued)

2010 (5307 Urbanized Area Formula Program & 5309 Fixed Guideway Modernization Program) Refunding Series Capital Grant Receipts Revenue Bonds: On May 6, 2010, the CTA issued the tax-exempt Capital Grant Receipts Revenue Bonds backed by the pledge of Federal Transit Administration Section 5307 Urbanized Area Formula Program and 5309 Fixed Guideway Modernization Program Funds, in the amount of $90,715,000, along with a premium of $1,876,000, in anticipation of the receipt of grants from the federal government pursuant to a full funding grant agreement. The bonds were issued to provide funds to refund a portion of the outstanding 5307 (Series 2004A, 2004B and 2006A) and 5309 (Series 2008 and 2008A) bonds.

This bond contains a provision that in the event of default, the CTA upon demand of the Trustee shall pay all moneys, securities, and funds held by the CTA in a fund, account, or sub-account pursuant to the terms of the Indenture and all 5307 and 5309 Grant Receipts as promptly as practicable after receipt.

The Series 2010 bonds bear interest at 5.00%. Interest is payable semiannually on June 1 and December 1, and the bonds mature serially on June 1, 2027 and June 1, 2028.

Net proceeds of $45,778,000 were deposited into an irrevocable trust with an escrow agent to provide for 2011 debt service payments on the 5307 (Series 2004A, 2004B and 2006A) and 5309 (Series 2008 and 2008A) bonds. As a result, a portion of the 5307 (Series 2004A, 2004B and 2006A) and 5309 (Series 2008 and 2008A) bonds then outstanding are considered to be defeased and the 2011 liability has been removed from the Statements of Net Position. The CTA refunded the various bonds using the proceeds from the 2010 Series bonds which increased its total debt service payments over the next 19 years by $78,528,000 and resulted in an economic loss (difference between the present values of the debt service payments on the old and new debt) of $3,099,000. The defeased debt had a zero balance as of December 31, 2019 and 2018.

The bond debt service requirements to maturity are as follows (in thousands of dollars):

	2010 5307		2010 5309		Total	
	Principal	Interest	Principal	Interest	Principal	Interest
2020	$ -	$ 3,195	$ -	$ 1,341	$ -	$ 4,536
2021	-	3,195	-	1,341	-	4,536
2022	-	3,195	-	1,341	-	4,536
2023	-	3,195	-	1,341	-	4,536
2024	-	3,195	-	1,341	-	4,536
2025	-	3,195	-	1,341	-	4,536
2026	-	3,195	-	1,341	-	4,536
2027	31,170	2,415	13,085	1,014	44,255	3,429
2028	32,725	818	13,735	343	46,460	1,161
Total	$ 63,895	$ 25,598	$ 26,820	$ 10,744	$ 90,715	$ 36,342

(Continued)

NOTE 9 - BONDS PAYABLE (Continued)

2011 (5307 Urbanized Area Formula Program) Refunding Series Capital Grant Receipts Revenue Bonds: On October 26, 2011, the CTA issued the tax-exempt Capital Grant Receipts Revenue Bonds backed by the pledge of Federal Transit Administration Section 5307 Urbanized Area Formula Program, in the amount of $56,525,000, along with a premium of $1,806,000, in anticipation of the receipt of grants from the federal government pursuant to a full funding grant agreement. The bonds were issued to provide funds to refund a portion of the outstanding 5307 (Series 2004B and 2006A) bonds.

This bond contains a provision that in the event of default, the CTA upon demand of the Trustee shall pay all moneys, securities, and funds held by the CTA in a fund, account, or sub-account pursuant to the terms of the Indenture and all 5307 Grant Receipts as promptly as practicable after receipt .

The Series 2011 bonds bear interest ranging from 4.5% to 5.25%. Interest is payable semiannually on June 1 and December 1, and the bonds mature serially from June 1, 2022 to June 1, 2029.

Net proceeds of $57,535,000 were deposited into an irrevocable trust with an escrow agent to provide for debt service payments on the 5307 (Series 2004B and 2006A) bonds. As a result, a portion of the 5307 (Series 2004B and 2006A) bonds then outstanding are considered to be defeased and the related liability has been removed from the Statements of Net Position. The CTA refunded the various bonds using the proceeds from the 2011 Series bonds which increased its total debt service payments over the next 18 years by $34,252,000 and resulted in an economic loss (difference between the present values of the debt service payments on the old and new debt) of $9,214,000. The defeased debt had a zero balance as of December 31, 2019 and 2018.

The difference between the reacquisition price and the net carrying amount of the bonds refunded by the Capital Grant Receipts Revenue Bonds, Refunding Series 2011 of $6,794,000 was deferred and is being amortized over 18 years. The deferred amount ending balance for the years ended December 31, 2019 and 2018 was $2,968,000 and $3,436,000, respectively, and recorded as a deferred outflow of resources in the accompanying Statements of Net Position. Amortization of the deferred amount on the refunding was $468,000 and $469,000 for the years ended December 31, 2019 and 2018, respectively.

The bond debt service requirements to maturity are as follows (in thousands of dollars):

	Principal	Interest	Total
2020	$ -	$ 2,865	$ 2,865
2021	-	2,865	2,865
2022	6,595	2,700	9,295
2023	6,920	2,353	9,273
2024	7,285	1,980	9,265
2025	7,665	1,594	9,259
2026	8,060	1,187	9,247
2027	-	975	975
2028	-	975	975
2029	20,000	488	20,488
Total	$ 56,525	$ 17,982	$ 74,507

NOTE 9 - BONDS PAYABLE (Continued)

2011 Sales Tax Receipts Revenue Bonds: On October 26, 2011, the CTA issued the Sales Tax Receipts Revenue Bonds, Series 2011, in the amount of $476,905,000, along with a premium of $21,392,000. The bonds were issued to pay for, or reimburse the CTA for prior expenditures relating to (i) the purchase of rail cars to replace existing cars and (ii) the finance of any other capital project designated by the CTA Board as part of the 2011 Project.

This bond contains a provision that in the event of default, the CTA, upon demand of the Trustee shall pay, after payment is made on the 2008A and 2008B Pension and Retiree Health Care Funding bonds, any amounts remaining in the Sales Tax Receipts Fund, as defined by the bond agreement, and all Sales Tax Receipts as promptly as practicable after receipt.

The Series 2011 bonds bear interest ranging from 5.0% to 5.25%. Scheduled interest on the 2010 bonds will be funded through December 1, 2015 with proceeds of the 2011 bonds and interest earnings thereon. Interest is payable semiannually on June 1 and December 1 and the bonds mature serially on December 1, 2021 through December 1, 2040.

The bond debt service requirements to maturity are as follows (in thousands of dollars):

	Principal	Interest	Total
2020	$ -	$ 24,965	$ 24,965
2021	14,090	24,965	39,055
2022	14,800	24,261	39,061
2023	15,540	23,521	39,061
2024	16,360	22,705	39,065
2025	17,220	21,846	39,066
2026	18,120	20,942	39,062
2027	19,075	19,991	39,066
2028	20,080	18,989	39,069
2029	21,135	17,935	39,070
2030	22,250	16,825	39,075
2031	23,425	15,657	39,082
2032	24,655	14,428	39,083
2033	25,950	13,133	39,083
2034	27,315	11,771	39,086
2035	28,755	10,337	39,092
2036	30,265	8,827	39,092
2037	31,860	7,238	39,098
2038	33,540	5,566	39,106
2039	35,305	3,805	39,110
2040	37,165	1,951	39,116
Total	$ 476,905	$ 329,658	$ 806,563

NOTE 9 - BONDS PAYABLE (Continued)

2014 Sales Tax Receipts Revenue Bonds: On July 10, 2014, the CTA issued Sales and Transfer Tax Receipts Revenue Bonds, Series 2014 in the amount of $550,000,000, along with a premium of $45,154,000. The bonds were issued to provide funds to finance, in whole or in part, capital projects contemplated by the Authority's Capital Plan.

This bond contains a provision that in the event of default, the CTA, upon demand of the Trustee shall pay, after payment is made on the 2008A and 2008B Pension and Retiree Health Care Funding bonds, any amounts remaining in the Sales Tax Receipts Fund, as defined by the bond agreement, and all Sales Tax Receipts as promptly as practicable after receipt.

The Series 2014 bonds bear interest ranging from 5.0% to 5.25%. Interest is payable semiannually on June 1 and December 1 and the bonds mature serially December 1, 2041 through December 1, 2049.

The bond debt service requirements to maturity are as follows (in thousands of dollars):

	Principal	Interest	Total
2020	$ -	$ 28,597	$ 28,597
2021	-	28,597	28,597
2022	-	28,597	28,597
2023	-	28,597	28,597
2024	-	28,597	28,597
2025	-	28,597	28,597
2026	-	28,597	28,597
2027	-	28,597	28,597
2028	-	28,597	28,597
2029	-	28,597	28,597
2030	-	28,597	28,597
2031	-	28,597	28,597
2032	-	28,597	28,597
2033	-	28,597	28,597
2034	-	28,597	28,597
2035	-	28,597	28,597
2036	-	28,597	28,597
2037	-	28,597	28,597
2038	-	28,597	28,597
2039	-	28,597	28,597
2040	-	28,597	28,597
2041	50,180	28,597	78,777
2042	52,690	26,088	78,778
2043	55,325	23,453	78,778
2044	58,090	20,687	78,777
2045	60,995	17,783	78,778
2046	64,195	14,580	78,775
2047	67,565	11,210	78,775
2048	71,115	7,663	78,778
2049	74,845	3,929	78,774
Total	$ 555,000	$ 754,527	$ 1,309,527

NOTE 9 - BONDS PAYABLE (Continued)

Capital Grant Receipts Revenue Bonds, Refunding Series 2015: On September 16, 2015, the CTA issued Capital Grant Receipts Revenue Bonds backed by the pledge of Federal Transit Administration Section 5307 Urbanized Area Formula Program Funds and Section 5337 State of Good Repair Formula Program Funds, in the amount of $176,920,000 along with a premium of $21,569,000, in anticipation of the receipt of grants from the federal government pursuant to a full funding grant agreement. The bonds were issued to refund a portion of the outstanding 5307 (Series 2004B and 2006A) and 5337 (Series 2008A) bonds.

This bond contains a provision that in the event of default, the CTA upon demand of the Trustee shall pay all moneys, securities, and funds held by the CTA in a fund, account, or sub-account pursuant to the terms of the Indenture and all 5307 and 5337 Grant Receipts as promptly as practicable after receipt.

The Series 2015 bond bear interest at 5.00%. Interest is payable semiannually on June 1 and December 1, commencing December 1, 2015 and the bonds mature serially June 1, 2018 through June 1, 2026.

The remaining net proceeds of $197,159,000 were deposited into an irrevocable trust with an escrow agent to provide for debt service payments on the 5307 (Series 2004B and 2006A) and 5337 (Series 2008A) bonds. As a result, a portion of the 5307 (Series 2004B and 2006A) and 5337 (Series 2008A) bonds then outstanding are considered to be defeased and the related liability has been removed from the Statements of Net Position. The CTA refunded the various bonds using the proceeds from the 2015 Series bonds which reduced its total debt service payments over the next 10 years by $10,043,000 and resulted in an economic gain (difference between the present values of the debt service payments on the old and new debt) of $9,856,000. The defeased debt had a zero balance as of December 31, 2019 and December 31, 2018.

The difference between the reacquisition price and the net carrying amount of the bonds refunded by the Capital Grant Receipts Revenue Bonds, Refunding Series 2015 of $12,281,000 was deferred and is being amortized over the next 10 years. The deferred amount ending balance for the years ended December 31, 2019 and 2018 was $3,835,000 and $5,427,000, respectively. Amortization of the deferred amount on the refunding was $1,592,000 and $1,943,000 for the years ended December 31, 2019 and 2018, respectively.

The bond debt service requirements to maturity are as follows (in thousands of dollars):

	2015 (5307)		2015 (5337)		Total	
	Principal	Interest	Principal	Interest	Principal	Interest
2020	$ 31,585	$ 2,860	$ 320	$ 2,245	$ 31,905	$ 5,105
2021	41,410	1,035	335	2,228	41,745	3,263
2022	-	-	350	2,211	350	2,211
2023	-	-	370	2,193	370	2,193
2024	-	-	13,855	1,838	13,855	1,838
2025	-	-	14,550	1,128	14,550	1,128
2026	-	-	15,275	382	15,275	382
Total	$ 72,995	$ 3,895	$ 45,055	$ 12,225	$ 118,050	$ 16,120

NOTE 9 - BONDS PAYABLE (Continued)

2017 Second Lien Sales Tax Receipts Revenue Bonds: On January 10, 2017, the CTA issued the Second Lien Sales Tax Receipts Revenue Bonds, Series 2017, in the amount of $296,220,000, along with a premium of $18,108,000. The bonds were issued to (i) finance certain capital projects contemplated by the CTA's capital improvement plan, (ii) capitalize interest on the 2017 Second Lien Bonds and (iii) pay costs in connection with the issuance of the 2017 Second Lien Bonds.

This bond contains a provision that in the event of default, the CTA, upon demand of the Trustee shall pay after payment is made on the 2008A and 2008B Pension and Retiree Health Care Funding bonds and on the Sales Tax Receipts Revenue Bonds, Series 2010A and Taxable Series 2010B bonds, any amounts remaining in the Sales Tax Receipts Fund, as defined by the bond agreement, and all Sales Tax Receipts as promptly as practicable after receipt.

The Series 2017 bonds bear interest ranging from 4.0% to 5.0%. Scheduled interest on the 2017 bonds was funded through December 1, 2018 with proceeds of the 2017 bonds and interest thereon. Interest is payable semiannually on June 1 and December 1 and the bonds mature serially December 1, 2041 through December 1, 2051.

NOTE 9 - BONDS PAYABLE (Continued)

The bond debt service requirements to maturity are as follows (in thousands of dollars):

	Principal	Interest	Total
2020	$ -	$ 14,711	$ 14,711
2021	-	14,711	14,711
2022	-	14,711	14,711
2023	-	14,711	14,711
2024	-	14,711	14,711
2025	-	14,711	14,711
2026	-	14,711	14,711
2027	-	14,711	14,711
2028	-	14,711	14,711
2029	-	14,711	14,711
2030	-	14,711	14,711
2031	-	14,711	14,711
2032	-	14,711	14,711
2033	-	14,711	14,711
2034	-	14,711	14,711
2035	-	14,711	14,711
2036	-	14,711	14,711
2037	-	14,711	14,711
2038	-	14,711	14,711
2039	-	14,711	14,711
2040	-	14,711	14,711
2041	20,910	14,711	35,621
2042	21,945	13,681	35,626
2043	23,025	12,599	35,624
2044	24,160	11,464	35,624
2045	25,350	10,273	35,623
2046	26,600	9,023	35,623
2047	27,910	7,712	35,622
2048	29,310	6,316	35,626
2049	30,775	4,851	35,626
2050	32,310	3,312	35,622
2051	33,925	1,696	35,621
Total	$ 296,220	$ 404,569	$ 700,789

(Continued)

NOTE 9 - BONDS PAYABLE (Continued)

Capital Grant Receipts Revenue Bonds, Refunding Series 2017: On July 18, 2017, the CTA issued Capital Grant Receipts Revenue Bonds backed by the pledge of Federal Transit Administration Section 5307 Urbanized Area Formula Program Funds and Section 5337 State of Good Repair Formula Program Funds, in the amount of $225,795,000 along with a premium of $31,279,000, in anticipation of the receipt of grants from the federal government pursuant to a full funding grant agreement. The bonds were issued to refund the Series 2008A 5307 bonds maturing June 1, 2022 through 2026 as well as refunding the Series 2008 5337 bonds maturing June 1, 2019 through 2026 and the Series 2008A 5337 bonds maturing June 1, 2019 through 2023.

This bond contains a provision that in the event of default, the CTA upon demand of the Trustee shall pay all moneys, securities, and funds held by the CTA in a fund, account, or sub-account pursuant to the terms of the Indenture and all 5307 and 5337 Grant Receipts as promptly as practicable after receipt.

The Series 2017 bonds bear interest ranging from 2.0% to 5.0%. Interest is payable semiannually on June 1 and December 1 and the bonds mature serially June 1, 2018 through June 1, 2026.

Net proceeds of $255,396,000 were deposited into an irrevocable trust with an escrow agent to provide for debt service payments on the 5307 (Series 2008A) and 5337 (Series 2008 and 2008A) bonds. As a result, a portion of the 5307 (Series 2008A) and 5337 (Series 2008 and 2008A) bonds then outstanding are considered to be defeased and the related liability has been removed from the Statements of Net Position. The CTA refunded the various bonds using the proceeds from the 2017 Series bonds which resulted in a difference of cash flows of debt service payments on the old and new debt of $30,456,000 and an economic gain (present value of the difference in debt service cash flows payments) of $27,099,000. The defeased debt had a balance of zero as of December 31, 2019 and 2018.

The difference between the reacquisition price and the net carrying amount of the bonds refunded by the Capital Grant Receipts Revenue Bonds, Refunding Series 2017 of $4,929,000 was deferred and is being amortized over the next 9 years. The deferred amount ending balance for the years ended December 31, 2019 and 2018 was $2,902,000 and $3,719,000, respectively. Amortization of the deferred amount on the refunding was $817,000 and $854,000 for the years ended December 31, 2019 and 2018, respectively

The bond debt service requirements to maturity are as follows (in thousands of dollars):

	2017 (5307)		2017 (5337)		Total	
	Principal	Interest	Principal	Interest	Principal	Interest
2020	$ -	$ 4,527	$ 19,415	$ 5,781	$ 19,415	$ 10,308
2021	-	4,527	20,385	4,810	20,385	9,337
2022	16,385	4,527	21,405	3,791	37,790	8,318
2023	17,205	3,708	22,475	2,720	39,680	6,428
2024	18,065	2,848	10,130	1,597	28,195	4,445
2025	18,970	1,944	10,635	1,090	29,605	3,034
2026	19,915	996	11,165	558	31,080	1,554
Total	$ 90,540	$ 23,077	$ 115,610	$ 20,347	$ 206,150	$ 43,424

NOTE 9 - BONDS PAYABLE (Continued)

The total bond debt service requirements to maturity for all outstanding bonds are as follows (in thousands of dollars):

	Principal	Interest	Total
2020	$ 101,840	$ 239,451	$ 341,291
2021	129,780	233,597	363,377
2022	116,335	227,413	343,748
2023	123,035	220,694	343,729
2024	130,200	213,184	343,384
2025 - 2029	706,085	942,085	1,648,170
2030 - 2034	675,210	737,225	1,412,435
2035 - 2039	953,065	484,119	1,437,184
2040 - 2044	535,570	209,472	745,042
2045 - 2049	478,660	93,340	572,000
2050 - 2051	66,235	5,008	71,243
Total	$ 4,016,015	$ 3,605,588	$ 7,621,603

Future Revenue Pledges: The CTA has pledged the following future revenues to secure outstanding balances of bond issuances as of December 31, 2019 and 2018 in accordance with bond security requirements:

- Real Estate Transfer Tax (RETT) Receipts received from the City of Chicago are pledged to secure the Series 2008A and 2008B Sales and Transfer Tax Receipts Revenue Bonds; Sales Tax Receipts received from the Regional Transportation Authority (RTA) are pledged to secure remaining debt service unpaid by RETT receipts. Debt service for the bonds outstanding were $3,288,062,000 and $3,444,635,000 as of December 31, 2019 and 2018, respectively. Total real estate transfer tax funds were approximately $62,373,000 and $71,518,000 as of December 31, 2019 and 2018, respectively. The following principal and interest bond payments were made during December 31, 2019 and 2018 (in thousands of dollars):

	Principal	Interest
2019	$ 366,195	$ 119,878
2018	34,520	122,053

- Sales Tax Receipts are also pledged to secure the First Lien Series 2010A, 2010B, 2011, and 2014 as well as Second Lien Series 2017 Sales Tax Receipts Revenue Bonds and 2017 Tax-Exempt Note Purchase Agreement (NPA). Sales Tax Receipts secure balances due on the Second Lien Series 2017 Sales Tax Receipts Revenue Bonds and the 2017 Tax-Exempt Note NPA after satisfying balances due on First Lien Obligations. Debt service for the bonds outstanding were $3,748,233,000 and $3,858,755,000 as of December 31, 2019 and 2018, respectively. Total sales tax receipts funds were approximately $749,711,000 and $731,816,000 as of December 31, 2019 and 2018, respectively. The following principal and interest bond payments were made during December 31, 2019 and 2018 (in thousands of dollars):

	2010A		2010B		2011	
	Principal	Interest	Principal	Interest	Principal	Interest
2019	$ 10,915	$ 536	$ -	$ 30,798	$ -	$ 24,965
2018	10,415	1,034	-	30,798	-	24,965

	2014		2017	
	Principal	Interest	Principal	Interest
2019	$ -	$ 28,597	$ -	$ 14,711
2018	-	28,597	-	14,711

(Continued)

NOTE 9 - BONDS PAYABLE (Continued)

- Federal Transit Authority (FTA) Section 5307 Urbanized Area Formula funds received from the FTA are pledged to secure the Series 2010, 2011, 2015, and 2017 FTA Section 5307 Urbanized Area Formula Funds Capital Grant Receipts Revenue Bonds. Debt service for the bonds outstanding were $354,507,000 and $400,801,000 as of December 31, 2019 and 2018, respectively. Total Federal Transit Authority Section 5307 Urbanized Area Formula funds were approximately $160,330,000 and $132,469,000 as of December 31, 2019 and 2018, respectively. The following principal and interest bond payments were made during December 31, 2019 and 2018 (in thousands of dollars):

	2010		2011		2015	
	Principal	Interest	Principal	Interest	Principal	Interest
2019	$ -	$ 3,195	$ -	$ 2,865	$ 31,275	$ 4,432
2018	-	3,195	-	2,865	27,000	5,889

	2017	
	Principal	Interest
2019	$ -	$ 4,527
2018	-	3,584

- MAP-21 restructured the Federal Transit Program in 2015 to end the FTA Section 5309 Formula Program and created a broader formula program in FTA Section 5337 that incorporates the rail modernization formula program formerly included in FTA Section 5309. Debt service for the bonds outstanding were $37,564,000 and $38,905,000 as of December 31, 2019 and 2018, respectively. Total Federal Transit Authority Section 5309 Fixed Guideway Modernization Formula funds were approximately $91,988,000 and $33,107,000 as of December 31, 2019 and 2018, respectively.
- As such, FTA Section 5337 State of Good Repair Federal Funds also received from the FTA are pledged to secure the Series 2008, 2008A, and 2010 FTA Section 5309 Fixed Guideway Modernization Capital Grant Receipts Revenue Bonds as well as the Series 2015 and 2017 FTA Section 5337 State of Good Repair Formula Funds Capital Grant Receipts Revenue Bonds. Debt service for the bonds outstanding were $193,237,000 and $220,999,000 as of December 31, 2019 and 2018, respectively. Total Federal Transit Authority Section 5337 State of Good Repair Formula funds were approximately $167,664,000 and $136,208,000 as of December 31, 2019 and 2018, respectively. The following principal and interest bond payments were made during December 31, 2019 and 2018 (in thousands of dollars):

	2008 (5309)		2008A (5309)		2010 (5309)	
	Principal	Interest	Principal	Interest	Principal	Interest
2019	$ -	$ -	$ -	$ -	$ -	$ 1,341
2018	8,490	425	9,935	546	-	1,341

	2015 (5337)		2017 (5537)	
	Principal	Interest	Principal	Interest
2019	$ 305	$ 2,260	$ 18,670	$ 6,527
2018	290	2,275	975	5,183

- FTA receipts in excess of the annual required debt service must be used to fund FTA-eligible Capital projects, not for general purposes nor operations and maintenance (O&M) expenses.

(Continued)

NOTE 10 - CERTIFICATES OF PARTICIPATION

In August 2008, Certificates of Participation (COP) totaling $78,430,000 were issued on behalf of the CTA. The COPs were used to finance the purchase of 200 (40 ft.) New Flyer low floor buses and certain related parts and equipment. On August 1, 2008, the CTA entered into an installment purchase agreement. The obligation of the CTA to make installment payments is an unconditional obligation of the CTA and is payable from legally available funds. The installment agreement requires the CTA to make annual COP payments which are remitted to the COP holders. Scheduled maturity dates occur at various times through December 1, 2020. During 2013, CTA terminated the original 2008 agreement and entered into three new agreements with the same terms and reduced interest rates. The total principal and interest remaining to be paid on the COPs as of December 31, 2019, is $7,911,000. Principal and interest paid in 2019 and 2018 was approximately $7,912,000 and $7,911,000, respectively.

As of December 31, 2019, debt service requirements to maturity are as follows (in thousands of dollars):

	Principal	Interest	Total
2020	$ 7,751	$ 160	$ 7,911
Total	$ 7,751	$ 160	$ 7,911

NOTE 11 - FARE COLLECTION SYSTEM PURCHASE AGREEMENT

CTA entered into a purchase agreement to finance a fare collection system with a value of $102,900,000. Under the purchase agreement, the CTA will make monthly payments of approximately $1,067,600 over the ten-year term to finance the design, acquisition and installation of the open standards fare system. The present value of the future payments to be made by the CTA under the purchase agreement of approximately $46,717,000 is reflected in the accompanying December 31, 2019 Statements of Net Position as an other long-term liability.

As of September 2019, CTA has entered into another purchase agreement to replace the majority of the fare collection system equipment. No amounts are due and payable under the agreement for the new system until it is delivered and operational, which is not anticipated to occur for several years. The payment for such replacement system will be a separate capital cost to be paid in addition to the foregoing financed amounts.

The purchase agreement requirements to maturity are as follows (in thousands of dollars):

	Principal	Interest	Total
2020	$ 10,886	$ 1,925	$ 12,811
2021	11,399	1,412	12,811
2022	11,935	876	12,811
2023	12,497	314	12,811
	$ 46,717	$ 4,527	$ 51,244

(Continued)

NOTE 12 - TIFIA LOANS

2014 TIFIA Loan

On April 24, 2014, CTA entered into a definitive loan agreement with the United States Department of Transportation (USDOT), an agency of the United States of America, acting by and through the Federal Highway Administrator under the Transportation Infrastructure Finance and Innovation Act (TIFIA) loan program to finance certain projects that are a part of the Authority's 95th Street Terminal Improvement Project.

This loan contains a provision that in the event of default, all obligations relating to the disbursement of undisbursed Loan amounts shall automatically be deemed terminated. The unpaid principal amount of the loan, together with all interest accrued, fees, costs, expenses, indemnities and other amounts payable under the loan shall automatically become immediately due and payable.

The principal amount of the TIFIA Loan shall not exceed $79,200,000; provided, the maximum principal amount of the TIFIA loan disbursed by the USDOT, together with the amount (excluding any interest that is capitalized) of any other credit assistance provided under TIFIA, cannot exceed thirty-three percent (33%) of reasonably anticipated eligible project costs. Further, total federal funding, inclusive of the TIFIA loans and all federal direct or indirect grants, cannot exceed eighty percent (80%) of reasonably anticipated eligible project costs.

As evidence of CTA's obligation to repay the TIFIA Loan, CTA has issued to the lender a registered fare box receipts revenue bonds in the amount of $79,200,000 dated April 24, 2014 with a maturity date of December 1, 2050 bearing an interest rate of 3.5%, with a loan amortization schedule.

CTA borrowed $79,200,000 in 2018 and is capitalizing interest through 2020. Total capitalized interest of $5,298,000 will be added to the principal repayments over the life of the loan. As of December 31, 2019 and 2018, CTA had accrued $4,083,000 and $1,243,000 of capitalized interest, respectively.

The TIFIA loan debt service requirements to maturity are as follows (in thousands of dollars):

	Principal*	Interest	Total
2020	$ 1,552	$ 1,479	$ 3,031
2021	1,607	2,903	4,510
2022	1,663	2,847	4,510
2023	1,721	2,789	4,510
2024	1,782	2,728	4,510
2025 - 2029	9,887	12,662	22,549
2030 - 2034	11,743	10,806	22,549
2035 - 2039	13,947	8,602	22,549
2040 - 2044	16,565	5,984	22,549
2045 - 2049	19,674	2,876	22,550
2050	4,357	153	4,510
Total	$ 84,498	$ 53,829	$ 138,327

* Includes capitalized interest

NOTE 12 – TIFIA LOANS (Continued)

2015 TIFIA Loan

On February 3, 2015, CTA entered into a definitive loan agreement with the United States Department of Transportation (USDOT), an agency of the United States of America, acting by and through the Federal Highway Administrator under the Transportation Infrastructure Finance and Innovation Act (TIFIA) loan program to finance certain projects that are a part of the Authority's "Your New Blue" capital improvement program.

This loan contains a provision that in the event of default, all obligations relating to the disbursement of undisbursed Loan amounts shall automatically be deemed terminated. The unpaid principal amount of the loan, together with all interest accrued, fees, costs, expenses, indemnities and other amounts payable under the loan shall automatically become immediately due and payable.

The principal amount of the TIFIA Loan shall not exceed $120,000,000; provided the maximum principal amount of the TIFIA loan disbursed by the USDOT, together with the amount (excluding any interest that is capitalized) of any other credit assistance provided under TIFIA, cannot exceed thirty-three percent (33%) of reasonably anticipated eligible project costs. Further, total federal funding, inclusive of the TIFIA loans and all federal direct or indirect grants, cannot exceed eighty percent (80%) of reasonably anticipated eligible project costs.

As evidence of CTA's obligation to repay the TIFIA Loan, CTA has issued to the lender two fare box receipts revenue bonds in the amounts of $42,600,000 with a maturity date of December 1, 2029, bearing an interest rate of 2.02%, and $77,400,000 with a maturity date of December 1, 2052, bearing an interest rate of 2.31%.

As of December 31, 2019 no drawdown had occurred on the 2015 TIFIA loan. No balance is presented for this loan on the Statements of Net Position as of December 31, 2019 or 2018.

2016 TIFIA Loan

On March 30, 2016, CTA entered into a third definitive loan agreement with the United States Department of Transportation (USDOT), an agency of the United States of America, acting by and through the Federal Highway Administration under the Transportation Infrastructure Finance and Innovation Act (TIFIA) loan program to finance certain projects that are part of the Authority's Rail Car Purchase Program.

This loan contains a provision that in the event of default, all obligations relating to the disbursement of undisbursed Loan amounts shall automatically be deemed terminated. The unpaid principal amount of the loan, together with all interest accrued, fees, costs, expenses, indemnities and other amounts payable under the loan shall automatically become immediately due and payable.

The aggregate principal amount of the loan shall not exceed $254,930,000, (excluding any interest that is capitalized in accordance with the terms of the loan); provided, however, in no event shall the maximum principal amount of the TIFIA loan disbursed by the USDOT, together with the amount (excluding any interest that is capitalized) of any other credit assistance provided under TIFIA Act, cannot exceed thirty-three percent (33%) of reasonable anticipated eligible project costs. Further, total federal funding, inclusive of the TIFIA loan and all federal direct or indirect grants, shall not exceed eighty percent (80%) of reasonably eligible project costs.

(Continued)

NOTE 12 - TIFIA LOANS (Continued)

As evidence of CTA's obligation to repay the TIFIA Loan, CTA has issued to the lender registered receipts revenue bonds in the aggregate principal amount not to exceed $254,930,000, comprising two (2) tranches in the principal amounts of $147,018,000 ("Tranche A-1") and $107,912,000 ("Tranche A-2") and bearing an interest rate of 2.64%, with corresponding loan amortization schedules for each tranche. The final maturity date for the Tranche A-1 is December 1, 2049 and the earlier of (a) the last semi-annual payment date occurring no later than thirty-four (34) years from the substantial completion date and (b) December 1, 2056.

As of December 31, 2019 no drawdown had occurred on the 2016 TIFIA loan. No balance is presented for this loan on the Statements of Net Position as of December 31, 2019 or 2018.

NOTE 13 - EMPLOYEES' RETIREMENT PLAN PENSION DISCLOSURES

GASB Statements No. 68 *Accounting and Financial Reporting for Pensions—an amendment of GASB Statement No. 27* and No.71 *Pension Transition for Contributions Made Subsequent to the Measurement Date—an amendment of GASB Statement No. 68.*

General Information about the Retirement Plan for Chicago Transit Authority Employees

Plan Description. The CTA participates in a single employer defined benefit pension plan covering substantially all full-time permanent union and non-union employees. The Retirement Plan for Chicago Transit Authority Employees (the Employees' Plan) is governed by Illinois state statute (40 ILCS 5/22-101). Substantially all non-temporary, full-time employees who have completed one year of continuous service ("Service") participate in the Employees' Plan. The Employees' Plan issues a separate stand-alone financial report which is available at http://www.ctaretirement.org/index.asp.

Contributions. Prior to 2008, contribution requirements of the Employees' Plan were governed by collective bargaining agreements. After 2008, contribution requirements are governed by Illinois state statute (40 ILCS 5/22-101).

Actual contributions made to the Employees' Plan during the years ended December 31, 2019 and 2018 are as follows (in thousands of dollars):

	Employees' Plan	
	2019	**2018**
Employer contributions	$ 121,668	$ 117,115
Employee contributions	79,721	77,909
Total	$ 201,389	$ 195,024

	Employees' Plan	
	2019	**2018**
Employer contribution rate	18.019%	18.019%
Employee contribution rate	12.010%	12.010%

(Continued)

NOTE 13 – EMPLOYEES' RETIREMENT PLAN PENSION DISCLOSURES (Continued)

Benefit terms. Substantially all non-temporary, full-time employees who have completed one year of continuous service ("Service") participate in the Employee Plan. Employees are entitled to annual pension benefits upon normal retirement at age 65, in an amount generally based on a percentage, not to exceed 70%, of their average annual compensation in the highest four of the 10 preceding years. For employees retiring on or after January 1, 2001, the percentage is 2.15% multiplied by the employee's number of continuous years of participating service. The Employee Plan permits early retirement at age 55 with three years of service, generally with reduced benefits. However, in the event of early retirement by an employee who has 25 years or more of continuous service, regardless of their age, benefits will not be reduced. In accordance with Public Act 095-0708, for all employees hired on or after January 18, 2008, eligibility for an unreduced pension benefit has changed to age 64 with 25 years of service and early retirement is age 55 with 10 years of service. Benefits are paid monthly equal to one-twelfth of the annual benefit for the retiree's lifetime. Married employees can elect to receive their pension benefits in the form of a joint and survivor option. In addition to retirement benefits, the Employee Plan also provides disability and death benefits.

Employees covered by the benefit terms. The following participants were covered by the benefit terms as of January 1, 2018 and January 1, 2017:

	Employees' Plan
Participants as of January 1, 2018	
Retirees and beneficiaries currently receiving benefits	10,387
Terminated employees entitled to but not yet receiving benefits	106
Active plan members	8,192
Total	18,685
Participants as of January 1, 2017	
Retirees and beneficiaries currently receiving benefits	10,150
Terminated employees entitled to but not yet receiving benefits	105
Active plan members	8,129
Total	18,384

(Continued)

NOTE 13 - EMPLOYEES' RETIREMENT PLAN PENSION DISCLOSURES (Continued)

Net Pension Liability

The CTA's net pension liability was measured as of December 31, 2018 and 2017, and the total pension liability used to calculate the net pension liability was determined by an actuarial valuation as of January 1, 2018 and 2017.

Actuarial assumptions and calculations. The total pension liability was determined using the following actuarial assumptions, applied to the periods included in the measurement:

	Employee Plan
January 1, 2019 Actuarial Valuation	
Acturial valuation date	January 1, 2018
Measurement date	December 31, 2018. Census data was collected as of January 1, 2018. Liabilities measured as of the census date were projected to December 31, 2018, assuming no demographic gains or losses.
Investment return	8.25% per annum, compounded annually, including inflation, net of expenses
Inflation	3.10% per annum
Salary increases	Service graded table starting at 11% with 3.5% ultimate rate after 5 years of service
Future ad hoc benefit increases	None assumed
Mortality	SOA Public Mortality General Below Median generational with Improvement Scale MP-2018
Early retirement age	Employees hired before January 17, 2008, can retire at age 55 with reduced benefits. However,if the employee has 25 years or more of continuous service, regardless of age, the employee can retire with full benefits. Employees hired after January 17, 2008, are eligible for an unreduced pension benefit at age 64 with 25 years of service.
Normal retirement age	65
Actuarial cost method	Entry age normal - level percentage of pay
Asset valuation method	5-year smoothed actuarial value of assets
Experience study	The actuarial assumptions used were based on the results of an actuarial experience study for the period January 1, 2013 through December 31, 2017.

NOTE 13 - EMPLOYEES' RETIREMENT PLAN PENSION DISCLOSURES (Continued)

	Employee Plan
January 1, 2018 Actuarial Valuation	
Acturial valuation date	January 1, 2017
Measurement date	December 31, 2017. Census data was collected as of January 1, 2017. Liabilities measured as of the census date were projected to December 31, 2017, assuming no demographic gains or losses.
Investment return	8.25% per annum, compounded annually, including inflation, net of expenses
Inflation	3.25% per annum
Salary increases	Service graded table starting at 9% with 4% ultimate rate after 5 years of service
Future ad hoc benefit increases	None assumed
Mortality	RP-2000 Blue Collar Table, generational from 2000 based on Scale BB and then fully generational.
Early retirement age	Employees hired before January 17, 2008, can retire at age 55 with reduced benefits. However,if the employee has 25 years or more of continuous service, regardless of age, the employee can retire with full benefits. Employees hired after January 17, 2008, are eligible for an unreduced pension benefit at age 64 with 25 years of service.
Normal retirement age	65
Actuarial cost method	Entry age normal - level percentage of pay
Asset valuation method	5-year smoothed actuarial value of assets
Experience study	The actuarial assumptions used were based on the results of an actuarial experience study for the period January 1, 2008 through December 31, 2012.

From 2018 to 2019, the mortality tables changed from the RP-2000 Blue Collar Table, generational from 2000 based on Scale BB to the SOA Public Mortality General Below Median generational with Improvement Scale MP-2018. From 2017 to 2018, the mortality tables changed from the RP-2000 Blue Collar Table, generational to 2017 based on Scale BB to the RP-2000 Blue Collar Table, generational to 2000 based on Scale BB.

NOTE 13 - EMPLOYEES' RETIREMENT PLAN PENSION DISCLOSURES (Continued)

Best estimates of arithmetic real rates of return for each major asset class included in the Employees' Plan target asset allocation as of January 1, 2019 and 2018 are summarized in the following tables (note that the rates shown below include the inflation components):

	Employees' Plan		
	Target Allocation	December 31, 2018 Estimate of expected long-term rate of return	December 31, 2017 Estimate of expected long-term rate of return
Fixed income	17%	2.33%	1.31%
Domestic equities	28	8.77	9.41
International equities	21	7.77	8.37
Venture capital and partnerships	10	11.70	12.54
Real estate	12	4.60	6.91
Hedge funds	7	3.80	4.66
Infrastructure	5	5.66	6.72

The long-term expected rate of returns on pension plan investments were determined using a building-block method in which best-estimate ranges of expected future real rates of return (expected returns, net of pension plan investment expense and inflation) are developed for each major asset class. These ranges are combined to produce the long-term expected rate of returns by weighting the expected future real rates of return by the target asset allocation percentage and by adding expected inflation.

Discount rate. The discount rate used to measure the total pension liability was 8.25% for both 2019 and 2018. The projection of cash flows used to determine the discount rate assumed that Employees' Plan members and employer contributions will continue to follow the current funding policy. Based on those assumptions, the Employees' Plan fiduciary net position was projected to be available to make all projected future benefit 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.

(Continued)

NOTE 13 - EMPLOYEES' RETIREMENT PLAN PENSION DISCLOSURES (Continued)

Changes in Net Pension Liability (in thousands of dollars):

	Employees' Plan Increase (Decrease)		
	Total Pension Liability (a)	**Plan Fiduciary Net Position (b)**	**Net Pension Liability (a) - (b)**
Balance at 12/31/16	$ 3,456,992	$ 1,736,369	$ 1,720,623
Change for the year:			
Service cost	50,433	-	50,433
Interest	278,184	-	278,184
Difference between expected and actual experience	13,679	-	13,679
Benefit payments	(276,485)	(276,485)	-
Contributions - Employer	-	104,523	(104,523)
Contributions - Employee	-	70,286	(70,286)
Net investment income, net of expenses	-	233,739	(233,739)
Administrative expenses	-	(2,531)	2,531
Net changes	65,811	129,532	(63,721)
Balance at 12/31/17	3,522,803	1,865,901	1,656,902
Change for the year:			
Service cost	54,814	-	54,814
Interest	283,757	-	283,757
Difference between expected and actual experience	7,455	-	7,455
Changes in assumptions	(24,727)	-	(24,727)
Benefit payments	(281,868)	(281,868)	-
Contributions - Employer	-	117,115	(117,115)
Contributions - Employee	-	78,340	(78,340)
Net investment income, net of expenses	-	(61,343)	61,343
Administrative expenses	-	(2,918)	2,918
Net changes	39,431	(150,674)	190,105
Balance at 12/31/18	$ 3,562,234	$ 1,715,227	$ 1,847,007

Plan fiduciary net position as a percentage of the total net pension liability - 12/31/18	48.15%
Plan fiduciary net position as a percentage of the total net pension liability - 12/31/17	52.97%

*Sensitivity of the net pension liability to changes in discount rate***.** The following presents the net pension liability of the Employees' Plan, calculated using the discount rate of 8.25%, as well as what the net pension liability would be if it were calculated using a discount rate that is 1-percentage-point lower (7.25%) or 1-percentage-point higher (9.25%) than the current rate (in thousands of dollars):

	Employees' Plan		
	1% Decrease (7.25%)	**Current Discount Rate (8.25%)**	**1% Increase (9.25%)**
Employees' Plan net pension liability - 2019	$ 2,184,641	$ 1,847,007	$ 1,557,002
Employees' Plan net pension liability - 2018	1,997,031	1,656,902	$ 1,365,529

NOTE 13 - EMPLOYEES' RETIREMENT PLAN PENSION DISCLOSURES (Continued)

Pension plan fiduciary net position. Detailed information about the pension plan's fiduciary net position is available in the separately issued CTA Employees' Retirement Plan financial report.

Pension Expense and Deferred Outflows of Resources and Deferred Inflows of Resources Related to Pensions.

For the years ended December 31, 2019 and 2018, CTA recognized pension expense of $197,854,000 and $168,403,000, respectively. At December 31, 2019 and 2018, CTA reported net deferred outflows of resources related to pensions from the following sources:

	Employee Plan		
	2019		2018
	Deferred Outflow of Resources (in thousands)	Deferred Inflow of Resources (in thousands)	Deferred Outflow of Resources (in thousands)
Difference between projected and actual earnings on pension plan	$ 148,563	$ -	$ 8,344
Difference between expected and actual experience	31,871	-	43,554
Changes in assumptions	-	(19,170)	-
Employer contribution made after measurement date	121,668	-	117,115
Balance as of 12/31	$ 302,102	$ (19,170)	$ 169,013

CTA reported $121,668,000 and $117,115,000 as deferred outflows of resources related to pensions resulting from contributions paid subsequent to the measurement date and will be recognized as a reduction of the net pension liability for the years ended December 31, 2020 and 2019, respectively. Other amounts reported as deferred outflows of resources and deferred inflows of resources related to pension will be recognized in the pension expense as follows:

	Employees' Plan	
Year Ended December 31:	2019 Amortization per year (in thousands)	2018 Amortization per year (in thousands)
2019	$ -	$ 46,578
2020	67,610	29,158
2021	32,254	(6,197)
2022	20,813	(17,641)
2023	40,587	-
Total Amortization	$ 161,264	$ 51,898

NOTE 14 – SUPPLEMENTAL PLANS PENSION DISCLOSURES

GASB Statements No. 68 *Accounting and Financial Reporting for Pensions—an amendment of GASB Statement No. 27* and No.71 *Pension Transition for Contributions Made Subsequent to the Measurement Date—an amendment of GASB Statement No. 68*

(Continued)

NOTE 14 – SUPPLEMENTAL PLANS PENSION DISCLOSURES (Continued)

General Information about the Supplemental Plans

Plan Description. The CTA also maintains separate single-employer, defined benefit pension plans for selected individuals. The supplemental retirement plans provide benefits to employees of the CTA in certain employment classifications. The supplemental retirement plans consist of the: (1) closed board member plan (Board) (2) closed (Non-Qualified) supplemental plan for members that retired or terminated employment before March 2005, including early retirement incentive, and (3) closed (Qualified) supplemental plan for active employees and members retiring after March 2005. All plans are closed to new entrants. CTA received qualification under Section 401(a) of the Internal Revenue Code for the supplemental plan and established a qualified trust during 2005 for members retiring after March 2005 (Qualified Supplemental Retirement Plan). The Qualified Supplemental Retirement Plan is reported in a fiduciary fund, whereas the activities for the Non-Qualified and Board plans are included in the financial statements of the CTA's business-type activities. There are no separate stand-alone financial reports issued for any of the Supplemental Plans.

Each of the Supplemental plans are administered by the Employee Retirement Review Committee (ERRC) of the CTA, whose members are appointed by the Board of Directors of the CTA, which retains oversight of the plan administration. The plans are each established by CTA ordinances, which grant the ERRC operational authority and can be modified by the CTA Board. The Board and Non-Qualified plans do not have assets accumulated in a trust.

Contributions. The Board and Non-Qualified plans are administered on a pay as you go basis. The CTA contributes to the Qualified plan based on an actuarially determined rate recommended by an independent actuary. The actuarially determined rate is the estimated amount necessary to finance the costs of benefits earned by plan members during the year, with an additional amount to finance any unfunded accrued liability.

The CTA's annual pension cost for the current year and related information for fiscal years ended December 31, 2019 and 2018 for each plan are as follows (in thousands of dollars):

	Qualified Supplemental	Non-Qualified Supplemental	Board Plan
Actual 2019 contributions:			
CTA	$1,120	$2,340	$326
Plan members	$29	$0	$9
Actual 2018 contributions:			
CTA	$550	$2,500	$321
Plan members	$72	$0	$9

Benefit terms

Qualified and Non-Qualified Plans: Employees of the CTA in certain employment classifications established by Board ordinance are eligible to participate based on age and service credit, generally as follows: at age 65, at age 55 with three years of pensionable service or with twenty-five years of pensionable service. Disability and death benefits are provided to employees.

(Continued)

NOTE 14 – SUPPLEMENTAL PLANS PENSION DISCLOSURES (Continued)

Benefits are based on the highest average annual compensation ("AAC") over any four calendar years out of the final ten years prior to retirement. For normal retirement and disability retirees, the benefit is the lessor of 1% of AAC per year of service or the excess of 75% of AAC over the benefit payable under the Retirement Plan for CTA Employees. For early retirees, the benefit is the lessor of 1% of AAC per year of service or the excess of 75% of AAC multiplied by the ratio of service completed at early retirement to service projected to age 65 over the benefit payable under the Retirement Plan for CTA Employees, with this benefit commencing at age 65. Benefits can commence prior to age 65 under certain conditions, generally as follows: any time after age 55 with a 5% reduction for each year under age 65 or with twenty-five years of service with no reduction. A minimum benefit is payable to an employee under normal, early or disability retirement equal to one-sixth of 1% of AAC multiplied by years of service limited to a maximum of 5% of AAC, with the minimum benefit commencing at early retirement. Termination benefits available to employees who complete ten years of service are as follows: the lessor of 1% of AAC per year of service or the excess of 75% of AAC over the benefit payable under the Retirement Plan for CTA Employees, with the benefit commencing at age 65.

Qualified and Non-Qualified participants who retire on or after February 1, 1984 may receive credit for service with certain other governmental agencies, if satisfying certain conditions and making required application and contributions. In addition to the increased supplemental benefits attributable to such "bridged" service, the Supplemental Plan is responsible for paying any additional benefits that the employees would be eligible for under the Retirement Plan for CTA Employees had they received this additional bridged service under both plans.

<u>Board Plan</u>: Individuals appointed to the Chicago Transit Board are eligible to participate based on age and service credit, generally as follows: at age 65 with completion of two years of service or at age 50 with completion of five years of service.

Benefits are based, generally, on provisions of the Retirement Plan for CTA Employees and the Supplemental Plan, to provide benefits to members of the Board comparable to what they would receive if employees of the CTA participating in those plans – with certain additional conditions and provisions, including specified minimum benefits, intended to take into account the anticipated periods of service by individuals as members of the Board.

Participants in the Board Plan may receive credit for service with certain other governmental agencies, if satisfying certain conditions and making required application and contributions – generally on terms similar to those applying to Qualified and Non-Qualified Plan participants receiving credit for bridged service.

(Continued)

NOTE 14 – SUPPLEMENTAL PLANS PENSION DISCLOSURES (Continued)

Employees covered by the benefit terms. The following participants were covered by the benefit terms as of January 1, 2020 and January 1, 2019:

	Qualified	Non-Qualified	Board	Total
Participants as of January 1, 2020				
Retirees and beneficiaries currently receiving benefits	125	302	17	444
Terminated employees entitled to but not yet receiving benefits	9	3	5	17
Active plan members	8	-	2	10
Total	142	305	24	471
Participants as of January 1, 2019				
Retirees and beneficiaries currently receiving benefits	125	323	17	465
Terminated employees entitled to but not yet receiving benefits	11	3	6	20
Active plan members	8	-	2	10
Total	144	326	25	495

(Continued)

NOTE 14 – SUPPLEMENTAL PLANS PENSION DISCLOSURES (Continued)

Net Pension Liabilities

Actuarial assumptions and calculations. The total pension liabilities in the December 31, 2019 and 2018 actuarial valuation were determined using the following actuarial assumptions, applied to the periods included in the measurement:

2019 Actuarial Assumptions	
Acturial valuation date	December 31, 2019
Measurement date	December 31, 2019
Investment return	
Qualified	7.00% per year
Non-Qualified and Board	2.75%
Inflation	2.50%
Salary increases	3.50% per year
Future ad hoc benefit increases	0.00% per year
Mortality	RP-2014 Mortality projected to 2019 based on Scale MP2019
Early retirement age	
Qualified and Non-Qualified	55 with completion of three years of pensionable service. For employees hired before January 1, 2000, with 25 years of service, there is no age requirement.
Normal retirement age	
Qualified and Non-Qualified	65 with completion of three years of service
Board	65 with completion of two years of service or age 50 with completion of five years of service
Actuarial cost method	Entry Age Normal
2018 Actuarial Assumptions	
Acturial valuation date	December 31, 2018
Measurement date	December 31, 2018
Investment return	
Qualified	7.00% per year
Non-Qualified and Board	4.10%
Inflation	2.50%
Salary increases	3.50% per year
Future ad hoc benefit increases	0.00% per year
Mortality	RP-2014 Mortality projected to 2018 based on Scale MP2018
Early retirement age	
Qualified and Non-Qualified	55 with completion of three years of pensionable service. For employees hired before January 1, 2000, with 25 years of service, there is no age requirement.
Normal retirement age	
Qualified and Non-Qualified	65 with completion of three years of service
Board	65 with completion of two years of service or age 50 with completion of five years of service
Actuarial cost method	Entry Age Normal

(Continued)

NOTE 14 – SUPPLEMENTAL PLANS PENSION DISCLOSURES (Continued)

Changes in assumptions from 2018-2019 include: investment return increase for the Non-Qualified and Board Plans from 4.10% to 2.75% and change in mortality table from RP-2014 mortality projected to 2018 based on Scale MP-2018 to RP-2014 mortality projected to 2019 based on Scale MP-2019.

Changes in assumptions from 2017-2018 include: investment return increase for the Non-Qualified and Board Plans from 3.44% to 4.10% and change in mortality table from RP-2000 mortality projected to 2017 based on Scale AA to RP-2014 mortality projected to 2018 based on Scale MP-2018.

Best estimates of arithmetic real rates of return for each major asset class included in the Supplemental Plans target asset allocation as of December 31, 2019 and 2018 are summarized in the following tables (note that the rates shown below include the inflation components):

	2019 Target Allocation	2019 Estimate of expected rate of return	2018 Target Allocation	2018 Estimate of expected rate of return
U.S. Large Size Company Equities	20.0%	7.2%	14.5%	7.4%
U.S. Mid Size Company Equities	5.0%	7.4%	12.5%	7.8%
U.S. Small Size Company Equities	5.0%	7.8%	11.0%	8.1%
Developed Non-U.S. Size Company Equities	15.0%	7.2%	10.0%	7.2%
Small Non-U.S. Size Company Equities	0.0%	0.0%	5.0%	8.0%
Emerging Markets Company Equities	5.0%	8.0%	7.0%	7.9%
Total Equities	50.0%		60.0%	
U.S. Fixed Income	30.0%	2.3%	20.0%	3.3%
Global Fixed Income	0.0%	0.0%	10.0%	2.2%
Total Fixed Income	30.0%		30.0%	
Real Estate	10.0%	6.0%	10.0%	7.2%
Total Real Estate	10.0%		10.0%	
Open-End Private Equity	10.0%	10.8%	0.0%	0.0%
Total Private Equity	10.0%		0.0%	
Total Assets	100.0%		100.0%	

NOTE 14 - SUPPLEMENTAL PLANS PENSION DISCLOSURES (Continued)

The long-term expected rate of return on pension plan investments was determined using a building-block method in which best-estimate ranges of expected long-term future real rates of return (expected returns, net of pension plan investment expense and inflation) are developed for each major asset class. These ranges are combined to produce the long-term expected rate of return by weighting the expected long-term future real rates of return by the target asset allocation percentage and by adding expected inflation.

Discount rate. The discount rates used to measure the total pension liabilities in 2019 were 7.0% for the Qualified and 2.75% for the Non-Qualified and Board. The Non-Qualified and Board discount rate of 2.75% is a change from 4.10% that was used to measure the total pension liabilities as of December 31, 2018. The projection of cash flows used to determine the discount rate assumed that the System's contributions will continue to follow the current funding policy. Based on those assumptions, the System's Qualified Plans fiduciary net position was projected to be available to make all projected future benefit payments of current plan members.

The discount rates used to measure the total pension liabilities in 2018 were 7.00% for the Qualified and 4.10% for the Non-Qualified and Board. The projection of cash flows used to determine the discount rate assumed that the System's contributions will continue to follow the current funding policy. Based on those assumptions, the System's Qualified Plans fiduciary net position was projected to be available to make all projected future benefit payments of current plan members.

(Continued)

NOTE 14 - SUPPLEMENTAL PLANS PENSION DISCLOSURES (Continued)

Changes in Net Pension Liabilities (in thousands of dollars):

	Increase (Decrease)		
	Total Pension Liability (a)	Plan Fiduciary Net Position (b)	Net Pension Liability (a) - (b)
Qualified			
Balance as of 12/31/17	$ 44,062	$ 40,250	$ 3,812
Change for the year:			
Service cost	60	-	60
Interest	2,929	-	2,929
Differences between expected and actual experience	(1,310)	-	(1,310)
Changes in assumptions	480	-	480
Benefit payments	(4,105)	(4,105)	-
Contributions - Employer	-	550	(550)
Contributions - Employee	-	72	(72)
Net investment income, net of expenses	-	(2,080)	2,080
Administrative expenses	-	(246)	246
Net changes	(1,946)	(5,809)	3,863
Balance as of 12/31/18	$ 42,116	$ 34,441	$ 7,675
Change for the year:			
Service cost	64	-	64
Interest	2,789	-	2,789
Differences between expected and actual experience	1,346	-	1,346
Changes in assumptions	(7)	-	(7)
Benefit payments	(4,192)	(4,192)	-
Contributions - Employer	-	1,120	(1,120)
Contributions - Employee	-	29	(29)
Net investment income, net of expenses	-	5,518	(5,518)
Administrative expenses	-	(229)	229
Net changes	-	2,246	(2,246)
Balance as of 12/31/19	$ 42,116	$ 36,687	$ 5,429

Plan fiduciary net position as a percentage of the total pension liability - 2019	87.11%
Plan fiduciary net position as a percentage of the total pension liability - 2018	81.78%

NOTE 14 – SUPPLEMENTAL PLANS PENSION DISCLOSURES (Continued)

Changes in Net Pension Liabilities (in thousands of dollars):

	Increase (Decrease)		
	Total Pension Liability (a)	Plan Fiduciary Net Position (b)	Net Pension Liability (a) - (b)
Non-Qualified			
Balance as of 12/31/17	$ 24,380	$ -	$ 24,380
Change for the year:			
Service cost	-	-	-
Interest	792	-	792
Differences between expected and actual experience	141	-	141
Changes in assumptions	26	-	26
Benefit payments	(2,500)	(2,500)	-
Contributions - Employer	-	2,500	(2,500)
Contributions - Employee	-	-	-
Net investment income, net of expenses	-	-	-
Administrative expenses	-	-	-
Net changes	(1,541)	-	(1,541)
Balance as of 12/31/18	$ 22,839	$ -	$ 22,839
Change for the year:			
Service cost	-	-	-
Interest	884	-	884
Differences between expected and actual experience	(1,237)	-	(1,237)
Changes in assumptions	1,979	-	1,979
Benefit payments	(2,340)	(2,340)	-
Contributions - Employer	-	2,340	(2,340)
Contributions - Employee	-	-	-
Net investment income, net of expenses	-	-	-
Administrative expenses	-	-	-
Net changes	(714)	-	(714)
Balance as of 12/31/19	$ 22,125	$ -	$ 22,125

Plan fiduciary net position as a percentage of the total pension liability - 2019	0.00%
Plan fiduciary net position as a percentage of the total pension liability - 2018	0.00%

(Continued)

NOTE 14 – SUPPLEMENTAL PLANS PENSION DISCLOSURES (Continued)

Changes in Net Pension Liabilities (in thousands of dollars):

	Increase (Decrease)		
	Total Pension Liability (a)	Plan Fiduciary Net Position (b)	Net Pension Liability (a) - (b)
Board			
Balance as of 12/31/17	$ 4,732	$ 88	$ 4,644
Change for the year:			
Service cost	34	-	34
Interest	157	-	157
Differences between expected and actual experience	(45)	-	(45)
Changes in assumptions	(202)	-	(202)
Benefit payments	(315)	(315)	-
Contributions - Employer	-	321	(321)
Contributions - Employee	-	9	(9)
Net investment income, net of expenses	-	-	-
Administrative expenses	-	-	-
Net changes	(371)	15	(386)
Balance as of 12/31/18	$ 4,361	$ 103	$ 4,258
Change for the year:			
Service cost	32	-	32
Interest	172	-	172
Differences between expected and actual experience	(221)	-	(221)
Changes in assumptions	571	-	571
Benefit payments	(326)	(326)	-
Contributions - Employer	-	326	(326)
Contributions - Employee	-	9	(9)
Net investment income, net of expenses	-	-	-
Administrative expenses	-	-	-
Net changes	228	9	219
Balance as of 12/31/19	$ 4,589	$ 112	$ 4,477

Plan fiduciary net position as a percentage of the total pension liability - 2019	2.42%
Plan fiduciary net position as a percentage of the total pension liability - 2018	2.34%

NOTE 14 – SUPPLEMENTAL PLANS PENSION DISCLOSURES (Continued)

Changes in Net Pension Liabilities (in thousands of dollars):

	Increase (Decrease)		
	Total Pension Liability (a)	Plan Fiduciary Net Position (b)	Net Pension Liability (a) - (b)
Total			
Balance as of 12/31/17	$ 73,173	$ 40,337	$ 32,836
Change for the year:			
Service cost	94	-	94
Interest	3,878	-	3,878
Differences between expected and actual experience	(1,214)	-	(1,214)
Changes in assumptions	304	-	304
Benefit payments	(6,920)	(6,920)	-
Contributions - Employer	-	3,371	(3,371)
Contributions - Employee	-	81	(81)
Net investment income, net of expenses	-	(2,080)	2,080
Administrative expenses	-	(246)	246
Net changes	(3,858)	(5,794)	1,936
Balance as of 12/31/18	$ 69,315	$ 34,543	$ 34,772
Change for the year:			
Service cost	96	-	96
Interest	3,845	-	3,845
Differences between expected and actual experience	(112)	-	(112)
Changes in assumptions	2,543	-	2,543
Benefit payments	(6,858)	(6,858)	-
Contributions - Employer	-	3,786	(3,786)
Contributions - Employee	-	38	(38)
Net investment income, net of expenses	-	5,518	(5,518)
Administrative expenses	-	(229)	229
Net changes	(486)	2,255	(2,741)
Balance as of 12/31/19	$ 68,829	$ 36,798	$ 32,031

Plan fiduciary net position as a percentage of the total pension liability - 2019	53.46%
Plan fiduciary net position as a percentage of the total pension liability - 2018	49.83%

NOTE 14 – SUPPLEMENTAL PLANS PENSION DISCLOSURES (Continued)

*Sensitivity of the net pension liability to changes in discount rate***.** The following presents the net pension liability of the Qualified, Non-qualified, and Board plans, calculated using the discount rates disclosed above for each plan, as well as what each plan's net pension liability would be if it were calculated using a discount rate that is 1-percentage-point lower or 1-percentage point higher than the current rate (in thousands of dollars):

Plan	1% Decrease	Current Discount Rate	1% Increase
Qualified Discount Rate			
Qualified Plan - 2019 - 7.00%	$ 8,997	$ 5,429	$ 2,348
Qualified Plan - 2018 - 7.00%	$ 11,379	$ 7,675	$ 4,494
Non-Qualified Discount Rate			
Non-Qualified Plan - 2019 - 2.75%	$ 23,867	$ 22,125	$ 20,602
Non-Qualified Plan - 2018 - 4.10%	$ 24,534	$ 22,839	$ 21,349
Board Discount Rate			
Board Plan - 2019 - 2.75%	$ 4,990	$ 4,477	$ 4,046
Board Plan - 2018 - 4.10%	$ 4,716	$ 4,258	$ 3,873

Pension Expense and Deferred Outflows of Resources and Deferred Inflows of Resources Related to Pensions.

For the years ended December 31, 2019 and 2018, CTA recognized pension expense and reported deferred outflows and inflows of resources related to pensions from the following sources (in thousands of dollars):

	December 31, 2019		
	Qualified	**Non-Qualified**	**Board**
Pension expense	$ 2,507	$ 1,626	$ 544
Deferred Inflows of Resources			
Net difference between projected and actual earnings on pension plan:	$ (924)	$ -	$ -
Total Deferred Inflows	$ (924)	$ -	$ -

NOTE 14 – SUPPLEMENTAL PLANS PENSION DISCLOSURES (Continued)

	December 31, 2018		
	Qualified	**Non-Qualified**	**Board**
Pension expense	$ 703	$ 958	$ (65)
Deferred Outflows of Resources			
Net difference between projected and actual earnings on pension plan:	$ 2,709	$ -	$ -
Total Deferred Outflows	$ 2,709	$ -	$ -

CTA did not report a deferred outflow of resources related to pensions resulting from contributions paid subsequent to the measurement dates for any Supplemental Plan for December 31, 2019 and 2018. Other amounts reported as deferred outflows of resources and deferred inflows of resources related to pension will be recognized in the pension expense as follows for December 31, 2019 and 2018 (in thousands of dollars):

	December 31, 2019		
Year Ended December 31:	**Qualified**	**Non-Qualified**	**Board**
2020	$ (332)	$ -	$ -
2021	(255)	-	-
2022	308	-	-
2023	(645)	-	-
Total Amortization	$ (924)	$ -	$ -

	December 31, 2018		
Year Ended December 31:	**Qualified**	**Non-Qualified**	**Board**
2019	$ 1,055	$ -	$ -
2020	312	-	-
2021	389	-	-
2022	953	-	-
Total Amortization	$ 2,709	$ -	$ -

GASB Statements No. 67 *Financial Reporting for Pensions Plans—an amendment of GASB Statement No. 25*

Investments. The Board and Non-Qualified plans are administered on a pay as you go basis. The Non-Qualified plan does not have any associated assets. The Board plan has a limited reserve held in cash or cash equivalents, which is not actively managed or associated with an investment policy. The Qualified plan's investment policy is established and may be amended by the CTA's Employment Retirement Review Committee. The primary objective of the policy is to provide a documented structure for the implementation of investment strategies which suggests the highest probability of maximizing the level of investment return within acceptable parameters for the total Fund's volatility and risk.

(Continued)

NOTE 14 – SUPPLEMENTAL PLANS PENSION DISCLOSURES (Continued)

For the years ended December 31, 2019 and 2018, the annual money-weighted rate of return on Qualified plan assets, net of pension plan investment expense, was 16.12% and -5.85%, respectively. The money-weighted rate of return expresses investment performance, net of investment expense, adjusted for the changing amounts actually invested.

Actuarial assumptions: The total pension liability was determined by an actuarial valuation as of December 31, 2019 and 2018, using the following actuarial assumptions, applied to all periods included in the measurement:

	12/31/2019	12/31/2018
Inflation	2.50% per year	2.50% per year
Salary increases	3.50% per year	3.50% per year
Investment rate of return (Discount rate)		
Qualified Plan	7.00% per year	7.00% per year
Non-Qualified and Board Plan	2.75% per year	4.10% per year

Mortality rates were based on the RP-2014 Mortality projected to 2019 based on Scale MP2019 and the RP-2014 Mortality projected to 2018 based on Scale MP2018 for the years ended December 31, 2019 and 2018, respectively.

The long-term expected rate of return on pension plan investments was determined using a building-block method in which best-estimate ranges of expected future real rates of return (expected returns, net of pension plan investment expense and inflation) are developed for each major asset class. These ranges are combined to produce the long-term expected rate of return by weighting the expected future real rates of return by the target asset allocation percentage and by adding expected inflation. Best estimates of arithmetic real rates of return for each major asset class included in the pension plan's target asset allocation as of December 31, 2019 and 2018 (see the discussion of the pension plan's investment policy). The 2.75% and 4.10% rates used for the Non-qualified and Board plans represents the 20-year municipal bond rate as determined by the 20-year bond buyer index as of December 31, 2019 and 2018, respectively.

Summary (in thousands of dollars):

	December 31, 2019		
	Employees' Plan	Supplemental Plan	Total
Net Pension Liability	$ 1,847,007	$ 32,031	$ 1,879,038
Deferred Outflows of Resources	302,102	-	302,102
Deferred Inflows of Resources	19,170	924	20,094
Pension Expense	197,854	4,677	202,531

	December 31, 2018		
	Employees' Plan	Supplemental Plan	Total
Net Pension Liability	$ 1,656,902	$ 34,772	$ 1,691,674
Deferred Outflows of Resources	169,013	2,709	171,722
Deferred Inflows of Resources	-	-	-
Pension Expense	168,403	1,596	169,999

(Continued)

NOTE 15 - OTHER POSTEMPLOYMENT BENEFITS

Plan Descriptions – Other Postemployment Benefits (OPEB)

Employees' Plan – Retiree Healthcare Benefits: In accordance with Public Act 95-708, all retiree healthcare benefits are to be paid from the Retiree Health Care Trust (RHCT), a single employer defined benefit plan. The RHCT was established in May 2008 and began paying for all retiree healthcare benefits in February 2009. For financial reporting purposes, the postemployment healthcare benefits are considered, in substance, a postemployment healthcare plan administered by the RHCT. Members are eligible for health benefits based on their age and length of service with CTA. The legislation provides that CTA will have no future responsibility for retiree healthcare costs. The RHCT issues a separate stand-alone financial report which is available at http://www.ctaretirement.org/index.asp.

Supplemental and Board Plans – Retiree Healthcare Benefits: Employees of the CTA in certain employment classifications are eligible to participate in the supplemental retirement plan, a single employer defined benefit plan. Members of the Supplemental Plan with bridged service or service purchased through the Voluntary Termination Program are eligible for Supplemental Healthcare benefits if they retired under the Supplemental Plan and do not immediately qualify for healthcare benefits under the CTA RHCT. Supplemental Healthcare Plan benefits are administered through the CTA's healthcare program covering active members. Supplemental healthcare benefits cease when the member becomes eligible for healthcare coverage under the RHCT. Certain members not eligible for benefits under the RHCT will continue to receive benefits through the CTA's healthcare program covering active members. The benefits are dependent on the amount of bridged service and the amount of service at the CTA that is credited in the Employees Plan.

Chicago Transit Board members participate in a separate Board Member Retirement Plan, a single employer defined benefit plan, and a Supplemental Plan. Board members with greater than five years of service are eligible for healthcare benefits immediately after termination or retirement.

The Supplemental and Board Plans do not issue separate stand-alone financial reports and do not have assets accumulated in a trust.

GASB Statement No. 75, *Accounting and Financial Reporting for Postemployment Benefits Other Than Pensions.*

Covered Participants – The following participants were covered by the benefit terms as of January 1, 2020 and January 1, 2019:

	Supplemental & Board Plans
Participants as of January 1, 2020	
Retirees and beneficiaries currently receiving benefits	54
Terminated employees entitled to but not yet receiving benefits	7
Active plan members	5
Total	66
Participants as of January 1, 2019	
Retirees and beneficiaries currently receiving benefits	55
Terminated employees entitled to but not yet receiving benefits	9
Active plan members	5
Total	69

(Continued)

NOTE 15 - OTHER POSTEMPLOYMENT BENEFITS (Continued)

Contributions – Funding for the Supplemental and Board Retiree Healthcare Plans are on a pay-as-you-go basis. CTA's contribution rate was 114.03% and 145.07% of covered employee payroll for the years ended December 31, 2019 and 2018, respectively. Retirees also make monthly contributions to the healthcare plan. Such contributions are determined annually by the plan administrator based on expected annual cost.

Total OPEB Liability – CTA's total OPEB liability was measured as of December 31, 2019 and 2018 and the total OPEB liability was determined by an actuarial valuation as of those dates.

Actuarial Assumptions – Projection of benefits for financial reporting purposes are based on the substantive plan (the plan as understood by the employer and the plan members) and include the type of benefits provided at the time of each valuation and the historical pattern of sharing benefit costs between the employer and plan members to that point. The actuarial methods and assumptions used include techniques that are designed to reduce the effects of short-term volatility in actuarial accrued liabilities and the actuarial value of assets, consistent with the long-term perspective of the calculations.

Actuarial valuations were performed for the OPEB Plan as of December 31, 2019 and 2018. The following table shows a summary of significant actuarial assumptions:

2019 Actuarial Assumptions	
Acturial valuation date	December 31, 2019
Measurement date	December 31, 2019
Discount rate	2.75%
Inflation	2.50%
Salary increases	5.50%
Investment return	2.75%
Health care cost trend rate	Starts with 8.25% in year 2020 and goes down to 5.0% in year 2027 and after.
Mortality	RP-2014 base rates projected to 2019 using Scale MP2019
Future participation	For future eligible retirees, 100% are assumed to elect medical coverage.
Dependent coverage	75% of employees were assumed to have spouses. Females were assumed to be 3 years younger than males. Of those covered under the provisions providing single coverage at no cost with higher dependent premium rates, 62.5% are assumed to elect single coverage and 37.5% are assumed to elect single and dependent coverage. Of those covered under the VTP healthcare provisions, 15.0% are assumed to elect single coverage and 85.0% are assumed to elect single and dependent coverage. Supplemental deferred vested members are assumed to elect single and dependent coverage. 50% of Board deferred vested members are assumed to elect single coverage and 50% are assumed to elect single and dependent coverage. 50% of spouses covered under the healthcare plan during retirement are assumed to continue coverage after the death of the retiree.
Actuarial cost method	Entry Age Normal Actuarial Cost Method

NOTE 15 - OTHER POSTEMPLOYMENT BENEFITS (Continued)

2018 Actuarial Assumptions

Acturial valuation date	December 31, 2018
Measurement date	December 31, 2018
Discount rate	4.10%
Inflation	2.50%
Salary increases	5.50%
Investment return	4.10%
Health care cost trend rate	Starts with 8.25% in year 2018 and goes down to 5.0% in year 2025 and after.
Mortality	RP-2014 base rates projected to 2018 using Scale MP2018
Future participation	For future eligible retirees, 100% are assumed to elect medical coverage.
Dependent coverage	75% of employees were assumed to have spouses. Females were assumed to be 3 years younger than males. Of those covered under the provisions providing single coverage at no cost with higher dependent premium rates, 62.5% are assumed to elect single coverage and 37.5% are assumed to elect single and dependent coverage. Of those covered under the VTP healthcare provisions, 15.0% are assumed to elect single coverage and 85.0% are assumed to elect single and dependent coverage. Supplemental deferred vested members are assumed to elect single and dependent coverage. 50% of Board deferred vested members are assumed to elect single coverage and 50% are assumed to elect single and dependent coverage. 50% of spouses covered under the healthcare plan during retirement are assumed to continue coverage after the death of the retiree.
Actuarial cost method	Entry Age Normal Actuarial Cost Method

Changes in assumptions from 2018 to 2019 include: investment return decrease from 4.10% to 2.75%.

Discount rate. The discount rate used to measure the total OPEB liability in 2019 and 2018 was 2.75% and 4.10%, respectively. The single discount rate was determined by the 20-year municipal bonds rates based on an index of 20-year obligation bonds with an average AA credit rating. The contribution policy assumed for this valuation was pay-as-you-go.

NOTE 15 - OTHER POSTEMPLOYMENT BENEFITS (Continued)

Changes in Net OPEB Liability: The changes in the total OPEB liability for the plan are as follows:

	Increase (Decrease)		
	Total OPEB Liability (a)	Plan Fiduciary Net Position (b)	OPEB Liability (a) - (b)
Supplemental & Board Plans			
Balance as of 12/31/17	$ 11,649	$ -	$ 11,649
Change for the year:			
Service cost	54	-	54
Interest	390	-	390
Benefit changes	(478)	-	(478)
Differences between expected and actual experience	(606)	-	(606)
Changes in assumptions	(664)	-	(664)
Benefit payments	(594)	(594)	-
Contributions - Employer	-	594	(594)
Contributions - Employee	-	-	-
Net investment income, net of expenses	-	-	-
Administrative expenses	-	-	-
Net changes	(1,898)	-	(1,898)
Balance as of 12/31/18	$ 9,751	$ -	$ 9,751
Change for the year:			
Service cost	54	-	54
Interest	385	-	385
Benefit changes	-	-	-
Differences between expected and actual experience	(982)	-	(982)
Changes in assumptions	1,310	-	1,310
Benefit payments	(698)	(698)	-
Contributions - Employer	-	698	(698)
Contributions - Employee	-	-	-
Net investment income, net of expenses	-	-	-
Administrative expenses	-	-	-
Net changes	69	-	69
Balance as of 12/31/19	$ 9,820	$ -	$ 9,820

*Sensitivity of the total OPEB liability to changes in discount rate***.** The following presents the net OPEB liability of CTA as well as what CTA's total OPEB liability would be if it were calculated using a discount rate that is 1-percentage-point lower or 1-percentage-point higher than the current discount rate:

Plan	**1% Decrease**	**Current Discount Rate**	**1% Increase**
Supplemental & Board Plans - 2019 - 2.75%	$ 11,068	$ 9,820	$ 8,812
Supplemental & Board Plans - 2018 - 4.10%	$ 10,928	$ 9,751	$ 8,795

(Continued)

NOTE 15 - OTHER POSTEMPLOYMENT BENEFITS (Continued)

Sensitivity of the total OPEB liability to changes in healthcare cost trend rates. The following presents the total OPEB liability of CTA, as well as what the CTA's total OPEB liability would be if it were calculated using healthcare cost trend rates that are 1-percentage-point lower (7.25% decreasing to 4.0) or 1-percentage-point higher (9.25% decreasing to 6.0) than the current healthcare cost trend rates:

Plan	1% Decrease (7.25% Decreasing to 4.0)	Current Trend Rates (8.25% Decreasing to 5.0)	1% Increase (9.25% Decreasing to 6.0)
Supplemental & Board Plans - 2019 - 8.25%	$ 8,865	$ 9,820	$ 10,972
Supplemental & Board Plans - 2018 - 8.25%	$ 8,836	$ 9,751	$ 10,853

OPEB Expense and Deferred Outflows of Resources and Deferred Inflows of Resources Related to OPEB. For the years ended December 31, 2019 and 2018, CTA recognized OPEB expense of $767,000 and income of $1,303,000, respectively. At December 31, 2019 and 2018, CTA reported no deferred inflows/outflows of resources related to OPEB.

	December 31, 2019	
	Deferred Outflow of Resources (in thousands)	Deferred Inflow of Resources (in thousands)
Difference between expected and actual experience	$ -	$ -
Changes of assumptions	-	-
Employer contribution made after measurement date	-	-
Balance as of 12/31/19	$ -	$ -

	December 31, 2018	
	Deferred Outflow of Resources (in thousands)	Deferred Inflow of Resources (in thousands)
Difference between expected and actual experience	$ -	$ -
Changes of assumptions	-	-
Employer contribution made after measurement date	-	-
Balance as of 12/31/18	$ -	$ -

Other amounts reported as deferred outflows of resources and deferred inflows of resources related to OPEB will be recognized in the pension expense as follows:

Year Ended December 31:	2019 Amortization per year (in thousands)	2018 Amortization per year (in thousands)
2019	$ -	$ -
2020	-	-
2021	-	-
2022	-	-
2023	-	-
2024 and thereafter	-	-
Total Amortization	$ -	$ -

(Continued)

NOTE 16 - RISK MANAGEMENT

The CTA is exposed to various types of risk of loss, including torts; theft of, damage to, or destruction of assets; errors or omissions; job-related illnesses or injuries to employees; natural disasters; and environmental occurrences. Also included are risks of loss associated with providing health, dental, and life insurance benefits to employees.

The CTA provides health insurance benefits to employees through a self-insured comprehensive PPO plan. The CTA provides dental insurance benefits through an insured dental maintenance organization and a self-insured dental indemnity plan. The CTA does not purchase stop-loss insurance for its self-insured comprehensive PPO plan. The CTA provides life insurance benefits for active employees through an insured life insurance program.

CTA purchases property insurance for damage to CTA property including rolling stock. This insurance program is effective July 29, 2019 to July 29, 2020. Property limit of liability is $130,000,000 per occurrence, and is purchased in two layers. The first/primary layer provides a $25,000,000 limit. The excess layer provides the $105,000,000 limit excess and above the primary. The basic policy deductible is $250,000 per each occurrence, with some exceptions as defined more fully in the policy.

The CTA is also self-insured for general liability, workers' compensation, employee accidents, environmental, automotive liability losses, employment-related suits, including discrimination and sexual harassment, and management liability of board members, directors, and officers of the CTA.

The RTA provides excess liability insurance to protect the self-insurance programs for general liability and terrorism currently maintained by the CTA. There are three insurance policies in effect from June 15, 2019 to June 15, 2020. The first policy provides $15,000,000 in excess of the $15,000,000 self-insured retention and $30,000,000 in the aggregate. The second policy provides $20,000,000 in excess of the $30,000,000 and $40,000,000 in the aggregate. The third policy provides $50,000,000 in excess of $50,000,000 and $100,000,000 in the aggregate. In 2019 and 2018, no CTA claim existed that is expected to exceed the $15,000,000 self-insured retention under this insurance policy.

The CTA participates in a Joint Self-Insurance Fund (the Fund) with the RTA that permits the CTA to receive monies necessary to pay injury and damage claims in excess of $2,500,000 per occurrence up to the total balance in the Fund or a maximum of $47,500,000. The CTA is obligated to reimburse the Fund for the principal amount borrowed plus a floating interest rate. However, the CTA is not obligated to make reimbursement payments, including interest, in excess of $3,500,000 in any one year. No borrowings were made from the Fund in fiscal years 2019 or 2018.

Settlements did not exceed coverage for any of the past three years, and there has been no significant reduction in coverage during that period.

(Continued)

NOTE 16 - RISK MANAGEMENT (Continued**)**

Self-insured liabilities are reported when it is probable that a loss has occurred and the amount of that loss can be reasonably estimated. Liabilities include an amount for claims that have been incurred but not reported. Because actual claims liabilities depend on such complex factors as inflation, changes in legal doctrines, and damage awards, the process used in computing claims liability does not necessarily result in an exact amount. Claims liabilities are reevaluated periodically to take into consideration recently settled claims, the frequency of claims, and other economic and social factors. The estimate for injury and damage claims is adjusted for a current trend rate and discount factor of 3.6% and 3.0%, respectively. The estimate for workers' compensation claims is adjusted for a current trend rate and discount factor of 4.0% and 3.0%, respectively. Changes in the balance of claims liabilities during the past two years are as follows (in thousands of dollars):

	Injury and damage	Group health and dental	Workers' compensation	Total
Balance at January 1, 2017	$ 88,842	$ 19,962	$ 160,463	$ 269,267
Funded	3,167	151,765	55,752	210,684
Funding (excess)/deficiency per actuarial requirement	21,479	-	6,084	27,563
Payments	(38,591)	(152,771)	(55,752)	(247,114)
Balance at December 31, 2017	74,897	18,956	166,547	260,400
Funded	5,000	159,769	53,644	218,413
Funding (excess)/deficiency per actuarial requirement	30,648	-	(1,482)	29,166
Payments	(31,882)	(159,207)	(53,644)	(244,733)
Balance at December 31, 2018	78,663	19,518	165,065	263,246
Funded	7,500	98,924	51,938	158,362
Funding (excess)/deficiency per actuarial requirement	21,236	-	(6,165)	15,071
Payments	(22,112)	(106,102)	(51,938)	(180,152)
Balance at December 31, 2019	$ 85,287	$ 12,340	$ 158,900	$ 256,527

Chapter 70, Paragraph 3605/39 of the Illinois Compiled Statutes requires the CTA to establish an injury and damage reserve in order to provide for the adjustment, defense, and satisfaction of all suits, claims, and causes of action, and the payment and satisfaction of all judgments entered against the CTA for damages caused by injury to or death of any person and for damages to property resulting from the construction, maintenance, and operation of the transportation system. The statute also requires the CTA to separately fund the current year's budgeted provision for the injury and damage reserve. See Note 5 regarding cash and investment amounts maintained in this account.

NOTE 17 - LINE OF CREDIT – NOTE PURCHASE AGREEMENT

2018 Line of Credit

On July 10, 2018, the Chicago Transit Authority entered into a tax-exempt Note Purchase Agreement (NPA) with Bank of America, N.A. in a not-to-exceed amount of $150,000,000. The Notes are secured by a pledge of sales tax revenue receipts on parity with the existing Second Lien Sales Tax Receipts Revenue Bonds and the Intergovernmental Ground Transportation Tax Agreement (GTT IGA) dated January 25, 2018, and may be drawn upon at any time for Capital Projects, the payment of costs of issuance related to this Note, and to refund short-term obligations issued pursuant to this Note. Interest on the Notes is based upon the daily LIBOR rate. The Notes have an initial commitment expiration date of July 10, 2020.

This line of credit contains a provision that in the event of default the obligation is to become immediately due and payable in full as the result of acceleration as defined in the Events of Default section.

The principal of outstanding Notes was $89.2 million and $49.25 million as of December 31, 2019 and 2018, respectively. The unused line of credit was $60.8 million and $100.75 million as of December 31, 2019 and 2018, respectively.

2019 Line of Credit

On July 12, 2019, the Chicago Transit Authority entered into a tax-exempt Note Purchase Agreement (NPA) with PNC Bank, National Association in a not-to-exceed amount of $150,000,000. The Notes are secured by a pledge of sales tax revenue receipts on parity with the existing Second Lien Sales Tax Receipts Revenue Bonds and the Intergovernmental Ground Transportation Tax Agreement (GTT IGA) dated January 25, 2018, and may be drawn upon at any time for Capital Projects, the payment of costs of issuance related to this Note, and to refund short-term obligations issued pursuant to this Note. Interest on the Notes is based upon the daily LIBOR rate. The Notes have an initial commitment expiration date of July 11, 2022.

This line of credit contains a provision that in the event of default the obligation is to become immediately due and payable in full as the result of acceleration as defined in the Events of Default section.

The principal of outstanding Notes was $119.0 million as of December 31, 2019. The unused line of credit was $31.0 million as of December 31, 2019.

NOTE 18 - COMMITMENTS AND CONTINGENCIES

Litigation: The CTA has been named as a defendant in various other legal proceedings arising in the normal course of operations. Although the ultimate outcome of these matters cannot be presently determined, it is the opinion of management of the CTA that resolution of these matters will not have a material adverse impact on the CTA's financial statements.

Defeased Debt: On October 26, 2006, the PBC issued Building Refunding Revenue Bonds for the benefit of the CTA in the amount of $91,340,000. The proceeds of the bonds were used to advance refund the Public Building Commission of Chicago, Series 2003 bonds. The outstanding balance of the defeased debt as of December 31, 2019 and 2018 was $35,450,000 and $43,250,000, respectively.

(Continued)

NOTE 18 - COMMITMENTS AND CONTINGENCIES (Continued)

Lease Transactions:

Green Line

During 1998, the CTA entered into three lease and leaseback transactions, 1998-NL, 1998-PB and 1998-JH with third party investors pertaining to certain property, railway tracks and train stations on the Green Line. The CTA's payments associated with these agreements were guaranteed by American International Group Inc. (AIG) as the "Debt Payment Undertaker." During 2008, AIG's credit rating was downgraded amid the U.S. mortgage meltdown and global economic crisis. This rating downgrade provided the third-party investors with the option under their respective agreements to require CTA to replace AIG as the Debt Payment Undertaker. In 2008, one of the three investors chose to unwind the transaction and the corresponding 1998-NL agreement was terminated. Another transaction, 1998-PB, was terminated on March 6, 2015. On December 27, 2017, the parties executed an Omnibus Termination Agreement under which the 1998-JH Green Line Sublease Agreement was terminated on January 3, 2018 and the 1998-JH Green Line Head Lease Agreement terminated on December 17, 2018.

NOTE 19 - SUBSEQUENT EVENTS

Line of Credit

On March 12, 2020, the CTA drew down $43,000,000 on the 2018 capital line of credit. Additional information on the capital lines of credit can be found in Note 17.

COVID-19 Pandemic

The United States and the State of Illinois declared a state of emergency in March 2020 due to the COVID-19 global pandemic. CTA anticipates a financial impact resulting from the effects of the COVID-19 outbreak and related stay-at-home orders on the national, state, and local economies, as well as ridership. During this evolving situation, CTA continues to analyze the impact on its financial position. As of April 29, 2020, CTA has been allocated and has applied for approximately $817.5 million in emergency funding under the Coronavirus Aid, Relief, and Economic Security (CARES) Act from the Federal Transit Administration. This compares to its $1.57B annual operating budget.

REQUIRED SUPPLEMENTARY INFORMATION

CHICAGO TRANSIT AUTHORITY
Employees' Plan
Required Supplementary Information -
Schedules of Net Pension Liability and Related Ratios (Unaudited)
Year Ended December 31, 2019
(In thousands of dollars)
as required by GASB 68

	2019	2018	2017	2016	2015
Employees' Plan					
Total Pension Liability	$ 3,562,234	$ 3,522,803	$ 3,456,992	$ 3,352,031	$ 3,283,154
Plan Fiduciary Net Position	1,715,227	1,865,901	1,736,369	1,743,216	1,855,912
Plan's Net pension Liability	$ 1,847,007	$ 1,656,902	$ 1,720,623	$ 1,608,815	$ 1,427,242
Plan Fiduciary Net Position as a percentage of the Total Pension Liability	48.15%	52.97%	50.23%	52.00%	56.53%
Covered Payroll	$ 623,037	$ 595,047	$ 575,444	$ 573,548	$ 564,828
Plan's Net pension Liability as a percentage of Covered Payroll	296.45%	278.45%	299.01%	280.50%	252.69%

The amounts presented for each fiscal year were determined as of the year-end that occurred one year prior.

Note 1: 2016 used the RP Blue Collar Table, generational to 2016 based on Scale BB. Also the asset valuation changed to 5 year smoothed actuarial value of assets.
Note 2: 2017 used the RP Blue Collar Table, generational to 2017 based on Scale BB.
Note 3: 2018 used the RP Blue Collar Table, generational to 2000 based on Scale BB.
Note 4: 2019 used the SOA Public Mortality General Below Median generational with Improvement Scale MP-2018.

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

CHICAGO TRANSIT AUTHORITY
Supplemental Plans
Required Supplementary Information -
Schedules of Net Pension Liability and Related Ratios (Unaudited)
Year Ended December 31, 2019
(In thousands of dollars)
as required by GASB 67/68

	2019	2018	2017	2016	2015	2014
Supplemental Qualified Plan						
Total Pension Liability	$ 42,116	$ 42,116	$ 44,062	$ 48,004	$ 49,335	$ 52,118
Plan Fiduciary Net Position	36,687	34,441	40,250	37,805	37,875	42,046
Plan's Net pension Liability	$ 5,429	$ 7,675	$ 3,812	$ 10,199	$ 11,460	$ 10,072
Plan Fiduciary Net Position as a percentage of the Total Pension Liability	87.11%	81.78%	91.35%	78.75%	76.77%	80.67%
Covered Payroll	$ 1,225	$ 1,219	$ 1,098	$ 1,213	$ 1,355	$ 1,443
Plan's Net pension Liability as a percentage of Covered Payroll	443.34%	629.84%	347.13%	841.07%	845.71%	697.92%
Supplemental Non-Qualified Plan						
Total Pension Liability	$ 22,125	$ 22,839	$ 24,380	$ 25,274	$ 29,926	$ 28,105
Plan Fiduciary Net Position	-	-	-	-	-	-
Plan's Net pension Liability	$ 22,125	$ 22,839	$ 24,380	$ 25,274	$ 29,926	$ 28,105
Plan Fiduciary Net Position as a percentage of the Total Pension Liability	0%	0%	0%	0%	0%	0%
Covered Payroll	-	-	-	-	-	-
Plan's Net pension Liability as a percentage of Covered-Employee Payroll	N/A	N/A	N/A	N/A	N/A	N/A
Board Member Plan						
Total Pension Liability	$ 4,589	$ 4,361	$ 4,732	$ 4,561	$ 4,481	$ 5,128
Plan Fiduciary Net Position	112	103	88	77	68	88
Plan's Net pension Liability	$ 4,477	$ 4,258	$ 4,644	$ 4,484	$ 4,413	$ 5,040
Plan Fiduciary Net Position as a percentage of the Total Pension Liability	2.42%	2.34%	1.84%	1.69%	1.52%	1.72%
Covered Payroll	$ 78	$ 75	$ 75	$ 75	$ 75	$ 125
Plan's Net pension Liability as a percentage of Covered-Employee Payroll	5746.55%	5676.97%	6191.50%	5978.83%	5883.44%	4031.43%

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

CHICAGO TRANSIT AUTHORITY
Employees' Plan
Required Supplementary Information -
Schedules of Changes in Net Pension Liability - Employees' Retirement Plan (Unaudited)
Year Ended December 31, 2019
(In thousands of dollars)
as required by GASB 68

Employees' Plan	2019	2018	2017	2016	2015
Total Pension Liability					
Total Pension Liability - Beginning	$ 3,522,803	$ 3,456,992	$ 3,352,031	$ 3,283,154	$ 3,220,533
Service Cost	54,814	50,433	50,111	51,358	49,066
Interest	283,757	278,184	269,899	264,579	259,593
Changes of Benefit Terms	-	-	-	-	-
Differences Between Expected and Actual Experience	7,455	13,679	51,518	13,082	-
Changes of Assumptions	(24,727)	-	-	-	-
Benefit Payments, Including Refunds of Member Contributions	(281,868)	(276,485)	(266,567)	(260,142)	(246,038)
Net Change in Total Pension Liability	39,431	65,811	104,961	68,877	62,621
Total Pension Liability - Ending	$ 3,562,234	$ 3,522,803	$ 3,456,992	$ 3,352,031	$ 3,283,154
Plan Fiduciary Net Position					
Plan Fiduciary Net Position - Beginning	$ 1,865,901	$ 1,736,369	$ 1,743,216	$ 1,855,912	$ 1,892,715
Contributions - Employer	117,115	104,523	83,855	82,800	82,268
Contributions - Member	78,340	70,286	59,561	58,993	58,566
Net Investment Income	(61,343)	233,739	118,613	8,230	71,524
Benefit Payments, Including Refunds of Member Contributions	(281,868)	(276,485)	(266,567)	(260,142)	(246,038)
Administrative Expense	(2,918)	(2,531)	(2,309)	(2,577)	(3,123)
Other	-	-	-	-	-
Net Change in Plan Fiduciary Net Position	(150,674)	129,532	(6,847)	(112,696)	(36,803)
Plan Fiduciary Net Position - Ending	1,715,227	1,865,901	1,736,369	1,743,216	1,855,912
CTA Net Pension Liability - Ending	$ 1,847,007	$ 1,656,902	$ 1,720,623	$ 1,608,815	$ 1,427,242

The amounts presented for each fiscal year were determined as of the year-end that occurred one year prior.

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

CHICAGO TRANSIT AUTHORITY
Supplemental Plans
Required Supplementary Information -
Schedules of Changes in Net Pension Liability - Qualified Supplemental Plan (Unaudited)
Year Ended December 31, 2019
(In thousands of dollars)
as required by GASB 67/68

Qualified	2019	2018	2017	2016	2015	2014
Total Pension Liability						
Total Pension Liability - Beginning	$ 42,116	$ 44,062	$ 48,004	$ 49,335	$ 52,118	$ 53,464
Service Cost	64	60	60	56	52	61
Interest	2,789	2,929	3,204	3,296	3,488	3,578
Changes of Benefit Terms	-	-	-	-	-	-
Differences Between Expected and Actual Experience	1,346	(1,310)	(3,170)	(611)	(2,145)	(554)
Changes of Assumptions	(7)	480	62	71	67	-
Benefit Payments	(4,192)	(4,105)	(4,098)	(4,143)	(4,245)	(4,431)
Net Change in Total Pension Liability	-	(1,946)	(3,942)	(1,331)	(2,783)	(1,346)
Total Pension Liability - Ending	$ 42,116	$ 42,116	$ 44,062	$ 48,004	$ 49,335	$ 52,118
Plan Fiduciary Net Position						
Plan Fiduciary Net Position - Beginning	$ 34,441	$ 40,250	$ 37,805	$ 37,875	$ 42,046	$ 43,503
Contributions - Employer	1,120	550	1,300	1,380	1,164	1,130
Contributions - Member	29	72	-	8	34	82
Net Investment Income	5,518	(2,080)	5,357	2,942	(878)	2,073
Benefit Payments	(4,192)	(4,105)	(4,098)	(4,143)	(4,245)	(4,431)
Refunds of Member Contributions	-	-	-	(17)	-	-
Administrative Expense	(229)	(246)	(114)	(240)	(237)	(311)
Other	-	-	-	-	(9)	-
Net Change in Plan Fiduciary Net Position	2,246	(5,809)	2,445	(70)	(4,171)	(1,457)
Plan Fiduciary Net Position - Ending	36,687	34,441	40,250	37,805	37,875	42,046
CTA Net Pension Liability - Ending	$ 5,429	$ 7,675	$ 3,812	$ 10,199	$ 11,460	$ 10,072

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

CHICAGO TRANSIT AUTHORITY
Supplemental Plans
Required Supplementary Information -
Schedules of Changes in Net Pension Liability - Non-Qualified Supplemental Plan (Unaudited)
Year Ended December 31, 2019
(In thousands of dollars)
as required by GASB 67/68

Non-Qualified	2019	2018	2017	2016	2015	2014
Total Pension Liability						
Total Pension Liability - Beginning	$ 22,839	$ 24,380	$ 25,274	$ 26,926	$ 28,105	$ 27,205
Service Cost	-	-	-	-	-	-
Interest	884	792	903	911	949	1,209
Changes of Benefit Terms	-	-	-	-	-	-
Differences Between Expected and Actual Experience	(1,237)	141	90	369	498	341
Changes of Assumptions	1,979	26	655	(315)	57	2,373
Benefit Payments	(2,340)	(2,500)	(2,542)	(2,617)	(2,683)	(3,023)
Net Change in Total Pension Liability	(714)	(1,541)	(894)	(1,652)	(1,179)	900
Total Pension Liability - Ending	$ 22,125	$ 22,839	$ 24,380	$ 25,274	$ 26,926	$ 28,105
Plan Fiduciary Net Position						
Plan Fiduciary Net Position - Beginning	$ -	$ -	$ -	$ -	$ -	$ -
Contributions - Employer	2,340	2,500	2,542	2,617	2,683	3,023
Contributions - Member	-	-	-	-	-	-
Net Investment Income	-	-	-	-	-	-
Benefit Payments	(2,340)	(2,500)	(2,542)	(2,617)	(2,683)	(3,023)
Administrative Expense	-	-	-	-	-	-
Other	-	-	-	-	-	-
Net Change in Plan Fiduciary Net Position	-	-	-	-	-	-
Plan Fiduciary Net Position - Ending	-	-	-	-	-	-
CTA Net Pension Liability - Ending	$ 22,125	$ 22,839	$ 24,380	$ 25,274	$ 26,926	$ 28,105

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

CHICAGO TRANSIT AUTHORITY
Supplemental Plans
Required Supplementary Information -
Schedules of Changes in Net Pension Liability - Board Supplemental Plan (Unaudited)
Year Ended December 31, 2019
(In thousands of dollars)
as required by GASB 67/68

Board	2019	2018	2017	2016	2015	2014
Total Pension Liability						
Total Pension Liability - Beginning	$ 4,361	$ 4,732	$ 4,561	$ 4,481	$ 5,128	$ 4,698
Service Cost	32	34	33	33	46	45
Interest	172	157	166	153	176	216
Changes of Benefit Terms	-	-	-	-	-	-
Differences Between Expected and Actual Experience	(221)	(45)	125	310	(514)	(64)
Changes of Assumptions	571	(202)	166	(90)	3	566
Benefit Payments	(326)	(315)	(319)	(326)	(358)	(333)
Net Change in Total Pension Liability	228	(371)	171	80	(647)	430
Total Pension Liability - Ending	$ 4,589	$ 4,361	$ 4,732	$ 4,561	$ 4,481	$ 5,128
Plan Fiduciary Net Position						
Plan Fiduciary Net Position - Beginning	$ 103	$ 88	$ 77	$ 68	$ 88	$ 75
Contributions - Employer	326	321	321	327	328	334
Contributions - Member	9	9	9	8	10	12
Net Investment Income	-	-	-	-	-	-
Benefit Payments	(326)	(315)	(319)	(326)	(358)	(333)
Administrative Expense	-	-	-	-	-	-
Other	-	-	-	-	-	-
Net Change in Plan Fiduciary Net Position	9	15	11	9	(20)	13
Plan Fiduciary Net Position - Ending	112	103	88	77	68	88
CTA Net Pension Liability - Ending	$ 4,477	$ 4,258	$ 4,644	$ 4,484	$ 4,413	$ 5,040

Note 1: 2016 used the mortality table from RP-2000 projected to 2016 based on Scale AA.
Note 2: 2017 used the mortality table from RP-2000 projected to 2017 based on Scale AA.
Note 3: 2018 used the mortality table from RP-2014 projected to 2018 based on Scale MP 2018.
Note 4: 2019 used the mortality table from RP-2014 projected to 2019 based on Scale MP 2019.
Note 5: The investment return was the following for the Board and Non-Qualified Plan:
2019 - 2.75%
2018 - 4.10%
2017 - 3.44%
2016 - 3.78%

There are no assets accumulated in a trust to pay related benefits for the Non-Qualified and Board Plans.

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

CHICAGO TRANSIT AUTHORITY
Employees' Plan
Required Supplementary Information -
Schedules of Statutorily Determined Contributions (Unaudited)
Year Ended December 31, 2019
(In thousands of dollars)
as required by GASB 68

Employees' Plan

	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
Statutorily determined	N/A *	$ 112,265	$ 106,662	$ 82,001	$ 81,731	$ 80,488	$ 102,800	$ 61,982	$ 55,976	$ 56,474
Contributions in relation to the statutorily determined	121,668	117,115	104,523	83,855	82,800	82,268	79,518	62,788	60,318	56,216
Contribution deficiency (excess)	N/A *	$ (4,850)	$ 2,139	$ (1,854)	$ (1,069)	$ (1,780)	$ 23,282	$ (806)	$ (4,342)	$ 258
Covered payroll	N/A *	$ 623,037	$ 595,047	$ 575,444	$ 573,548	$ 564,827	$ 550,616	$ 548,515	$ 541,354	$ 528,288
Contributions as a percentage of covered payroll	N/A *	18.02%	17.93%	14.25%	14.25%	14.25%	18.67%	11.30%	10.34%	10.69%

N/A * - Information not available

Notes to Schedule

Valuation date: January 1, 2018

Methods and assumptions used to determine contribution rates:

Actuarial cost method	Entry Age Normal - Level Percentage of Pay
Amortization method	For pension expense; the difference between expected and actual liability experience and changes of assumptions are amortized over the average of the expected remaining service lives of all members. The difference between projected and actual earnings is amortized over a closed period of five years.
Remaining amortization period	5 Years - Closed
Asset valuation method	5-year Smoothed Actuarial Value of Assets
Inflation	3.10%
Salary increases	11% for 1 year of service, 12% for 2 years of service, 16% for 3 years of service, 8% for 4 years of service, and 3.5% thereafter.
Investment rate of return	8.25%

CHICAGO TRANSIT AUTHORITY
Supplemental Plans
Required Supplementary Information -
Schedules of Actuarilly Determined Contributions (Unaudited)
Year Ended December 31, 2019
(In thousands of dollars)
as required by GASB 67/68

Qualified Plan

	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
Actuarially determined contribution	$ 1,118	$ 550	$ 1,299	$ 1,380	$ 1,164	$ 1,130	$ 1,926	$ 2,267	$ 2,207	$ 2,577
Contributions in relation to the actuarially determined contribution	1,120	550	1,300	1,380	1,164	1,130	1,927	2,267	2,210	2,600
Contribution deficiency (excess)	$ (2)	$ -	$ (1)	$ -	$ -	$ -	$ (1)	$ -	$ (3)	$ (23)
Covered payroll	$ 1,225	$ 1,219	$ 1,098	$ 1,213	$ 1,355	$ 1,443	$ 1,647	$ 2,282	$ 2,486	$ 4,259
Contributions as a percentage of covered payroll	91.46%	45.13%	118.37%	113.81%	85.90%	78.30%	117.02%	99.33%	88.90%	61.05%

Non-qualified Plan

	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
Actuarially determined contribution	$ 2,430	$ 2,501	$ 2,542	$ 2,571	$ 2,678	$ 4,595	$ 4,295	$ 4,116	$ 4,041	$ 3,771
Contributions in relation to the actuarially determined contribution	2,340	2,500	2,542	2,617	2,683	3,023	3,114	3,299	3,447	3,260
Contribution deficiency (excess)	$ 90	$ 1	$ -	$ (46)	$ (5)	$ 1,572	$ 1,181	$ 817	$ 594	$ 511
Covered-employee payroll	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Contributions as a percentage of covered-employee payroll	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

CHICAGO TRANSIT AUTHORITY
Supplemental Plans
Required Supplementary Information -
Schedules of Actuarilly Determined Contributions (Unaudited)
Year Ended December 31, 2019
(In thousands of dollars)
as required by GASB 67/68

Board Member Plan

	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
Actuarially determined contribution	$ 348	$ 360	$ 358	$ 323	$ 379	$ 324	$ 331	$ 348	$ 372	$ 361
Contributions in relation to the actuarially determined contribution	326	321	321	327	328	333	338	323	323	323
Contribution deficiency (excess)	$ 22	$ 39	$ 37	$ (4)	$ 51	$ (9)	$ (7)	$ 25	$ 49	$ 38
Covered payroll	$ 78	$ 75	$ 75	$ 75	$ 75	$ 125	$ 139	$ 150	$ 175	$ 200
Contributions as a percentage of covered payroll	418.52%	427.63%	427.63%	436.37%	437.23%	266.66%	242.12%	215.19%	184.45%	161.39%

Notes to Schedule

Valuation date: Actuarially determined contribution rates are calculated as of December 31, 2019

Methods and assumptions used to determine contribution rates:

Actuarial cost method	Entry Age Normal Method
Amortization method	Level Dollar
Remaining amortization period	20 year level dollar closed period (effective January 1, 2009) Qualified: 10 Years remaining as of January 1, 2019 - Closed Qualified: 9 Years remaining as of December 31, 2019 - Closed
Asset valuation method	Market Value
Inflation	2.5%
Salary increases	3.5% per year
Investment rate of return	Qualified: 7.0% per year Non-qualified: 2.75% per year Board: 2.75% per year

CHICAGO TRANSIT AUTHORITY
Supplemental Plans
Required Supplementary Information -
Schedule of Investment Returns (Unaudited)
Year Ended December 31, 2019

	Year	Qualified Supplemental Plan
Annual Money-Weighted Rate of Return, Net of Investment Expense	2019	16.12%
	2018	-5.85%
	2017	14.40%
	2016	7.38%
	2015	-2.69%
	2014	4.20%

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

CHICAGO TRANSIT AUTHORITY
Other Postemployment Benefits
Required Supplementary Information -
Schedules of Changes in the Total OPEB Liability (Unaudited)
Year Ended December 31, 2019
(In thousands of dollars)
as required by GASB 75

Total OPEB Plan	2019	2018
Total OPEB Liability		
Total OPEB Liability - Beginning	$ 9,751	$ 11,649
Service Cost	54	54
Interest	385	390
Changes of Benefit Terms	-	(478)
Differences Between Expected and Actual Experience	(982)	(606)
Changes of Assumptions	1,310	(664)
Benefit Payments, Including Refunds of Member Contributions	(698)	(594)
Net Change in Total OPEB Liability	69	(1,898)
Total OPEB Liability - Ending	$ 9,820	$ 9,751
Covered-employee payroll	612	410
The total OPEB liability as a percentage of covered-employee payroll	1604.58%	2378.29%

Note: There is no separate Trust established for OPEB benefits.

Note: The discount rate is 2.75% for December 31, 2019. The discount rate in the prior measurement period was 4.10%, this represents a decrease of 1.35%.

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

CHICAGO TRANSIT AUTHORITY
Other Postemployment Benefits
Required Supplementary Information -
Schedules of Statutorily Determined Contributions (Unaudited)
Year Ended December 31, 2019
(In thousands of dollars)
as required by GASB 75

Total OPEB Plan

	2019	2018
Actuarially determined contribution	$ 698	$ 594
Contributions in relation to the actuarially determined contribution	698	594
Contribution deficiency (excess)	$ -	$ -
Covered-employee payroll	$ 612	$ 410
Contributions as a percentage of covered-employee payroll	114.03%	145.07%

N/A * - Information not available

Notes to Schedule

Valuation date:	December 31, 2019

Methods and assumptions used to determine contribution rates:

Actuarial cost method	Entry Age Normal Actuarial Cost Method
Discount rate	2.75%
Inflation	2.50%
Salary increases	5.50%
Investment return	2.75%
Health care cost trend rate	Starts with 8.25% in year 2020 and goes down to 5.0% in year 2027 and after.
Mortality	RP-2014 base rates projected to 2019 using Scale MP2019
Future participation	For future eligible retirees, 100% are assumed to elect medical coverage.
Dependent coverage	75% of employees were assumed to have spouses. Females were assumed to be 3 years younger than males. Of those covered under the provisions providing single coverage at no cost with higher dependent premium rates, 62.5% are assumed to elect single coverage and 37.5% are assumed to elect single and dependent coverage. Of those covered under the VTP healthcare provisions, 15.0% are assumed to elect single coverage and 85.0% are assumed to elect single and dependent coverage. Supplemental deferred vested members are assumed to elect single and dependent coverage. 50% of Board deferred vested members are assumed to elect single coverage and 50% are assumed to elect single and dependent coverage. 50% of spouses covered under the healthcare plan during retirement are assumed to continue coverage after the death of the retiree.

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

SUPPLEMENTARY SCHEDULES

CHICAGO TRANSIT AUTHORITY
Schedule of Expenses and Revenues –
Budget and Actual – Budgetary Basis
Year ended December 31, 2019
(In thousands of dollars)

	Original budget	Actual – budgetary basis	Variance favorable (unfavorable)
Operating expenses:			
Labor and fringe benefits	$ 1,084,100	$ 1,093,922	$ (9,822)
Materials and supplies	80,064	67,652	12,412
Fuel	44,084	40,396	3,688
Electric power	34,372	31,560	2,812
Purchase of security services	19,307	14,920	4,387
Other	282,685	259,438	23,247
Provision for injuries and damages	7,500	7,500	-
Total operating expenses	1,552,112	1,515,388	36,724
System-generated revenues:			
Fares and passes	588,012	585,297	(2,715)
Reduced-fare subsidies	28,321	14,606	(13,715)
Advertising and concessions	38,758	38,987	229
Investment income	2,100	3,822	1,722
Contributions from local governmental units	5,000	5,000	-
Other revenue	45,555	49,465	3,910
Total system-generated revenues	707,746	697,177	(10,569)
Operating expenses in excess of system-generated revenues	844,366	818,211	26,155
Public funding from the RTA:			
Operating assistance	844,366	818,211	(26,155)
	844,366	818,211	(26,155)
Change in net position – budgetary basis	$ -	-	$ -

Reconciliation of budgetary basis to GAAP basis:	
Provision for depreciation	(495,532)
Pension expense in excess of pension contributions	(38,185)
Supplemental Retirement	(1,391)
Incentive Retirement	499
Workers Compensation	6,165
Provision for injuries and damages	(21,236)
Interest expense on bond transactions	(73,934)
Interest revenue on bond transactions	9,361
Interest expense from sale/leaseback	(3,193)
Capital contributions	502,238
Change in net position – GAAP basis	$ (115,208)
CTA recovery ratio:	
Total operating expenses	$ 1,515,388
Less mandated security costs	(14,920)
Less security camera contracts	(2,617)
Less CSA Labor	(20,579)
Less CTA security department costs	(1,374)
Less ICE operating funds	(6,206)
Less depreciation expense	(4,943)
Less Pension Obligation Bond debt service	(156,576)
Plus City of Chicago in-kind services	22,000
Total operating expenses for recovery ratio calculation (B)	1,330,173
Total system-generated revenues	$ 697,177
Plus Senior Free Rides	29,212
Plus City of Chicago in-kind services	22,000
Total system-generated revenues for recovery ratio calculation (A)	$ 748,389
Recovery ratio (A/B)	56.26%

See accompanying independent auditor's report.

CHICAGO TRANSIT AUTHORITY
Schedule of Expenses and Revenues –
Budget and Actual – Budgetary Basis
Year ended December 31, 2018
(In thousands of dollars)

	Original budget	Actual – budgetary basis	Variance favorable (unfavorable)
Operating expenses:			
Labor and fringe benefits	$ 1,046,059	$ 1,070,458	$ (24,399)
Materials and supplies	92,425	90,474	1,951
Fuel	33,576	32,079	1,497
Electric power	31,369	31,162	207
Purchase of security services	17,804	17,502	302
Other	288,262	251,535	36,727
Provision for injuries and damages	5,000	5,000	-
Total operating expenses	1,514,495	1,498,210	16,285
System-generated revenues:			
Fares and passes	583,105	588,791	5,686
Reduced-fare subsidies	28,322	13,876	(14,446)
Advertising and concessions	38,347	37,844	(503)
Investment income	1,600	3,483	1,883
Contributions from local governmental units	5,000	5,000	-
Other revenue	51,202	48,339	(2,863)
Total system-generated revenues	707,576	697,333	(10,243)
Operating expenses in excess of system-generated revenues	806,919	800,877	6,042
Public funding from the RTA:			
Operating assistance	806,919	809,352	2,433
	806,919	809,352	2,433
Change in net position – budgetary basis	$ -	8,475	$ 8,475

Reconciliation of budgetary basis to GAAP basis:	
Provision for depreciation	(454,644)
Pension expense in excess of pension contributions	(14,790)
Supplemental Retirement	1,442
Incentive Retirement	332
Workers Compensation	1,482
Provision for injuries and damages	(30,648)
Interest expense on bond transactions	(92,556)
Interest revenue on bond transactions	7,943
Interest expense from sale/leaseback	(5,843)
Capital contributions	441,162
Change in net position – GAAP basis	$ (137,645)
CTA recovery ratio:	
Total operating expenses	$ 1,498,210
Less mandated security costs	(17,502)
Less security camera contracts	(1,827)
Less CSA Labor	(21,805)
Less CTA security department costs	(1,237)
Less ICE operating funds	(6,018)
Less depreciation expense	(4,802)
Less Pension Obligation Bond debt service	(156,576)
Plus City of Chicago in-kind services	22,000
Total operating expenses for recovery ratio calculation (B)	1,310,443
Total system-generated revenues	$ 697,333
Plus Senior Free Rides	29,040
Plus City of Chicago in-kind services	22,000
Total system-generated revenues for recovery ratio calculation (A)	$ 748,373
Recovery ratio (A/B)	57.11%

See accompanying independent auditor's report.