

CITY OF AKRON, OHIO

2019

ANNUAL INFORMATIONAL STATEMENT



The City of Akron intends that this Annual Informational Statement will be used (1) together with information to be specifically provided by the City for that purpose, in connection with the original offering and issuance by the City of its bonds, notes and other obligations and (2) to provide information concerning the City on a continuing annual basis.

Questions regarding information contained in this Annual Informational Statement should be directed to Diane L. Miller-Dawson, Director of Finance, City of Akron, Municipal Building, 166 South High Street, Akron, Ohio 44308; telephone 330-375-2316; facsimile 330-375-2291; email DMiller-Dawson@akronohio.gov.

The date of this Annual Informational Statement is August 15, 2019

REGARDING THIS ANNUAL INFORMATIONAL STATEMENT

The information and expressions of opinion in this Annual Information Statement are subject to change without notice. Neither the delivery of this Annual Informational Statement nor any sale made in connection with the delivery should, under any circumstances, give rise to any inference that there has been no change in the affairs of the City since the date of this Annual Informational Statement.

TABLE OF CONTENTS

	<u>Page</u>
Cover Page.....	1
REGARDING THIS ANNUAL INFORMATIONAL STATEMENT	2
TABLE OF CONTENTS	2
INTRODUCTORY STATEMENT	5
THE CITY	6
General	6
City Government.....	6
Facilities	7
Economic Development Highlights.....	8
Economic Development Program	8
Technical Assistance.....	9
BOUNCE Innovation Hub.....	10
City-Wide Programs and Projects	11
Akron Community Learning Centers	11
Joint Economic Development Districts	11
Historical JEDD Revenues	14
Projected JEDD Revenues.....	15
Economic and Demographic Information	15
Population.....	15
Employment.....	16
Sewer System	17
General.....	17
Capital Improvements	18
Employees.....	19
Service Area and Users	19
Sewer Rates	24
Billing; Delinquent Sewer System Bills.....	25
Historical Operating Results.....	25
Water System	27
General.....	27
Water Supply, Treatment and Distribution	27
Capital Improvements	28
Employees	29
Service Area and Users	30
Water Rates.....	34
Billing; Delinquent Water System Bills.....	35
Historical Operating Results.....	36
Other Utilities.....	37
Solid Waste Collection and Disposal System	37
FINANCIAL MATTERS	37
Introduction.....	37
Budgeting, Tax Levy and Appropriations Procedures	38

Financial Reports and Examinations of Accounts.....	39
Cash Balances and Investments.....	40
Financial Outlook.....	42
AD VALOREM PROPERTY TAXES AND SPECIAL ASSESSMENTS	43
Assessed Valuation	43
Overlapping Governmental Entities	46
Tax Rates.....	47
Tax Table A: Overlapping Tax Rates	47
Tax Table B: City Tax Rates	48
Collections.....	48
Special Assessments	50
Delinquencies.....	51
MUNICIPAL INCOME TAX.....	52
OTHER GENERAL FUND REVENUE SOURCES.....	53
Nontax Revenues	53
Historical Collections of Nontax Revenues	54
Licenses and Permits.....	54
Charges for Services	54
Fines and Forfeitures.....	54
Interest Earnings.....	54
Investments.....	55
Expenditure Recoveries	55
Other.....	55
Local Government Assistance Funds	55
CITY DEBT AND OTHER LONG-TERM OBLIGATIONS.....	56
Security for General Obligation Debt.....	56
Bonds and Bond Anticipation Notes.....	56
Unvoted Bonds.....	56
Voted Bonds.....	56
BANs.....	56
Statutory Direct Debt Limitations.....	57
Indirect Debt and Unvoted Property Tax Limitations	58
Debt Outstanding	59
Debt Table A: Principal Amounts of Outstanding General Obligation Debt; Capacity for Additional Debt Within Direct Debt Limitations	59
Debt Table B: Various City and Overlapping General Obligation (GO) Debt Allocations (Principal Amounts)	62
Debt Table C: Projected Debt Service Requirements on Unvoted General Obligation Bonds	63
Payment of Debt Service	64
Debt Table D: Principal Amount of General Obligation Debt, the Debt Service on Which Was (or Will Be) Retired from these Sources....	65
Changes in Indebtedness; Future Financings	67
Revenue Bonds	69
Water System Revenue Bonds	69
Special Revenue Bonds.....	69
Income Tax Revenue Bonds	70
Pension Bonds	70
General Obligation Bonds	71
Guarantees	71
Community Learning Centers (CLC) Bonds	71
Health Benefit Claims Bond Anticipation Notes (BANs).....	73
Income Tax Revenue Bond Debt Service and Debt Service Coverage.....	74

INTRODUCTORY STATEMENT

This Annual Informational Statement (the Annual Statement) has been prepared by the City of Akron, Ohio (the City) to provide, as of its date, financial and other information relating to the City. The City intends that this Annual Statement be used in conjunction with specific offering information to be provided by the City in connection with the original offering and issuance by the City of specific issues of bonds, notes, or other obligations. Such specific offering information, taken together with this Annual Statement, will serve as the Official Statement for each of those issues. Following the distribution of this Annual Statement and concurrently with the original offering by the City of a particular issue of its bonds, notes, or other obligations, the City may distribute or make available the specific offering information relating to that issue along with information updating or revising information contained in this Annual Statement.

The City has prepared and circulated to interested persons an annual informational statement such as this Annual Statement in each year since 1978 and intends to continue that practice. Since 1996, the City has entered into continuing disclosure agreements (the Agreements) pursuant to SEC Rule 15c2-12 in connection with the primary offering by the City of each of its issues of bonds and other obligations subject to that rule. The Agreements require the City to provide annually financial information and operating data for its immediately preceding fiscal year of the type included in the final official statement for each of the respective issues. This Annual Statement is provided in order to satisfy the obligation of the City under the Agreements. It will be filed with the Municipal Securities Rulemaking Board (MSRB) through its Electronic Municipal Market Access (EMMA) system. The list of bonds, notes and other obligations of the City to which this Annual Statement applies is set forth in **Appendix C** and includes the applicable CUSIP numbers for those issues. The City's audited financial statements for fiscal year 2018 will be filed with the State Auditor, the Single Audit Clearing House, the MSRB through its EMMA system, and various grant and other appropriate agencies and will be mailed upon written request.

Questions regarding information contained in this Annual Statement should be sent to Diane L. Miller-Dawson, Director of Finance, City of Akron, Municipal Building, 166 South High Street, Akron, Ohio 44308. The Director of Finance is the officer designated by the City to respond to questions concerning the Annual Statement and the financial matters of the City in general. She may be contacted at the above address or by telephone 330-375-2316, facsimile 330-375-2291 or email DMiller-Dawson@akronohio.gov.

All financial and other information in this Annual Statement has been provided by the City from its records, except for information expressly attributed to other sources. The presentation of information, including tables of receipts from taxes and other sources, is intended to show recent historical information and is not intended to indicate future or continuing trends in the financial position or other affairs of the City. No representation is made that past experience, as is shown by that financial and other information, will necessarily continue or be repeated in the future.

This Annual Statement should be considered in its entirety and no one subject considered less important than another by reason of location in the text. Reference should be made to laws, reports, or documents referred to for more complete information regarding their contents.

References to provisions of Ohio law, the Ohio Constitution, or the Charter of the City (the Charter) are references to those current provisions. Those provisions may be amended, repealed, or supplemented.

As used in this Annual Statement, "debt service" means principal of and interest on the obligations referred to, "County" means the County of Summit, "State" or "Ohio" means the State of Ohio, and "JEDD" means a Joint Economic Development District.

THE CITY

GENERAL

The City is located in the County of Summit in northeast Ohio, approximately 35 miles south of Cleveland. The City, which is the county seat, was incorporated in 1836.

In the 2000 Census classifications, the City was in the Akron Primary Metropolitan Statistical Area (PMSA), comprised of Summit and Portage Counties. It was also in the Cleveland-Akron-Lorain Consolidated Metropolitan Statistical Area (CMSA). Effective in 2003, the PMSA was renamed the Akron Metropolitan Statistical Area (MSA). The CMSA was reclassified as the Cleveland-Akron-Elyria Combined Statistical Area (CSA). After new delineation standards were announced in 2013, Akron remains an MSA, defined as Summit and Portage Counties, and is part of the larger Cleveland-Akron-Canton Combined Statistical Area.

CITY GOVERNMENT

The City operates under and is governed by its Charter, which was first adopted by the voters in 1918 and which has been and may be amended by City voters from time to time. The City is also subject to certain general laws applicable to all cities in the State. Under the Ohio Constitution, the City may exercise all powers of local self-government, and may enact police, sanitary, and similar regulations to the extent not in conflict with applicable general laws. The Charter provides for a Mayor-Council form of government.

Legislative authority of the City is vested in a 13-member Council. Currently, three members are elected at-large for four-year terms; ten members are elected from wards for four-year terms. All elected officials, except the Mayor, serve part-time. The Council fixes compensation of City officials and employees and enacts ordinances and resolutions relating to City services, tax levies, appropriating and borrowing money, licensing and regulating businesses and trades, and other municipal purposes. The presiding officer is the President of Council, who is elected by the Council to serve until a new President is elected. The Charter establishes certain administrative departments and authorizes the Council, by a two-thirds vote, to establish additional departments and divisions within the departments.

The City's chief executive and administrative officer is the Mayor, who is elected by the voters to that office for a four-year term. The Mayor appoints the directors of the City departments. The major appointed officials are the Directors of Finance, Human Resources, Law, Planning, Public Service, and Neighborhood Assistance, as well as Deputy Mayors. The Mayor also appoints members to a number of boards and commissions and appoints and removes, in accordance with civil service requirements, all appointed officers and employees, with a few exceptions, such as Council officers and employees.

The Mayor may veto any legislation passed by the Council. A veto may be overridden by a two-thirds vote of all members of the Council.

FACILITIES

The City's buildings and facilities are briefly described in the following table.

Facility	Date Built or Purchased	Size (sq. ft.)	Use
Municipal Building	Built 1925	99,000	Administrative Offices (Mayor's Office, Council, Finance, Public Service, Planning)
CitiCenter Building and Parking Deck	Purchased 1993	200,000	Utilities Customer Service
H. K. Stubbs Justice Center	Built 1968	160,220	Police Department, Municipal Courts, and Prosecutor's Office
Morley Health Center & Parking Deck	Built 1969	90,000	Public Parking
Cascade Parking Deck & Plaza; Main St. Tunnel & Transition Building/Walk	Built 1970	630,000	Public Parking; Pedestrian Access
Opportunity Park Parking Deck & Skywalk	Built 1973 Rebuilt 2002	318,100	Public Parking; Pedestrian Access
Broadway Parking Deck & Skywalk	Built 1996	166,150	Public Parking;
Akron Centre Parking Deck	Built 1971 Expanded 2007	590,740	Public Parking
State Street Parking Deck	Built 1998	151,000	Public Parking
Municipal Service Center Complex (3 office buildings, Misc Garage &, Warehouse)	Built 1976 to 2013	230,860 (total)	Administrative Offices (Public Works, Motor Equipment, Traffic Engineering, Communications); Fueling and repair of City vehicles
Motor Equipment Garage	Purchased 1985	43,600	Fueling and repair of City vehicles
Westside Depot Garage	Built 1965	12,660	Fueling and repair of City vehicles
Fire Stations (13)	Built 1920 to 1995 *new	126,790 (total)	Fire-fighting personnel and equipment
Fire Maintenance Facility	Construction underway Built 1963	21,190	Equipment maintenance storeroom; hydrant repair and maintenance
Fire Training Facility	Purchased 2007	20,904	Fire training

ECONOMIC DEVELOPMENT HIGHLIGHTS

For historic economic development information and project descriptions, please refer to previous AIS documents posted on EMMA, or call the City of Akron Treasury Department at (330) 375-2330 to get historical Annual Informational Statement publications.

Economic Development Program

Mayor's Office of Economic Development

2018 Accomplishments

EXPANSION

	Investment Amount	Number of Jobs	Number of New Jobs
Babcock & Wilcox (headquarters)	N/A	N/A	N/A
Sheetz	\$200K+	N/A	N/A
Rogers Company	\$60K	67	35
Mayflower Manor Apt. LLC	\$10M	N/A	N/A
Circle K	\$200K+	N/A	N/A
IRG	\$35K	N/A	N/A
55 Furnace LLC Bickel	N/A	25	N/A
Signet Jewelers	N/A	N/A	N/A
PNC Building Renovation	\$8.5M	N/A	N/A
R. Shea Brewing	\$2M	N/A	N/A

RETENTION

	Investment Amount	Number of Jobs	Number of New Jobs
Mayflower (landmark restoration)	N/A	N/A	N/A
Small Business Development Center	N/A	188	N/A

ATTRACTION

Akron Pride Festival	N/A	N/A	N/A
----------------------	-----	-----	-----

CREATION

	Investment Amount	Number of Jobs	Number of New Jobs
NSA Holdings	\$335K	N/A	N/A
South Hawkins/Alden Avenue	\$24M	N/A	N/A
Romig Road	\$100M	N/A	1500
Medical Marijuana Dispensary (E. North St.)	\$200K	N/A	5
Medical Marijuana Dispensary (S. Summit)	\$500K	N/A	17
Bowery Development	\$37.10M	N/A	N/A
Blu Tique	\$11M	N/A	N/A
Housing Development	\$12M	N/A	N/A
Small Business Development Center	\$7.3MM	N/A	120

TECHNICAL ASSISTANCE

Outside of the tangible, quantifiable assistance that the Mayor's Office of Economic Development has been instrumental in providing the companies in the aforementioned list, the Mayor's Office of Economic Development also provided various forms of technical assistance to many other companies that were manifested in the following ways:

1. Real estate referrals
2. Loan referrals, which led to financial assistance
3. Engineering services
4. Agency compliance, such as compliance with the U.S. Economic Development Administration (EDA)
5. Utility/infrastructure assistance
6. Parking assistance
7. Professional business assistance/referrals due to relationship with the Small Business Development Center (SBDC), SCORE, Economic Community Development Institute (ECDI) and the Greater Akron Chamber of Commerce.

The list of companies that received technical assistance was comprised of the following:

1. ALCO Company
2. Pop & Goo's Bakery
3. Farmer's Market
4. Craft Cantina
5. Nomz
6. Missing Falls
7. Trailhead at Cascade Lofts
8. Ohio Pure Foods
9. Storage of America
10. Ebay Retail Revival
11. Dossier Ice Cream
12. The Boiling House
13. Rising Star Center for the Arts
14. Companion Labs
15. Wholly Joe Coffee

The city has continued to do retention, expansion and attraction in various job sectors in order for the economy to continue to grow in the area. The attraction of a two year university not only provides jobs but goes after the non-traditional student.

Six companies in Akron expanded and have hired additional work force to staff their needs. The hospitals remain strong on our region and have an ever-growing need for medical profession personnel.

Many developers now provide more up to date facilities for companies that want to grow or move into more.

BOUNCE INNOVATON HUB

Effective January 1, 2018, the City of Akron officially spun off its entrepreneurial innovation hub from the Akron Development Corporation.

There are three foundational principles that governs the new entity

OPEN INNOVATION NETWORK

- Foster Curated Collisions - thoughtfully facilitated contacts between executives and emerging talent that will lead to business connections and innovation collaborations
- Invite all stakeholders to engage with BOUNCE through programming

STRATEGIC ALIGNMENT THAT PRIORITIZES ORGANIC, LOCAL GROWTH

- Reallocate existing resources to focus more on supporting the growth of local companies and start-ups and retaining/engaging talent already connected to the region
- Nudge more start-ups to launch
- Support more start-ups to scale
- Embolden our mature companies to grow

ENVIRONMENT OF COLLABORATION AND START-UP SUPPORT

- Creation of Innovation and Entrepreneurship Advocate to serve as the City's liaison with all of BOUNCE's stakeholders to ensure the City's investment is working effectively and entrepreneurs get what they need from the City
- City will celebrate EVERY win—securing funding, significant growth milestones – with start-ups in Akron

- Break out of silos by fostering an environment of smart collaboration that adds value for corporations and universities by activating and engaging local talent

FY 2018 OPERATING PERFORMANCE

Metric	FY 2018
Revenue	\$34,134,791
Investment (FY 2018)	\$13,794,672
Jobs Created	46.50
Total Jobs	244.00
Patents Granted	2
Total Patents	33
Female/Minority Owned %	29%

City-Wide Programs

Akron Community Learning Centers. With joint funding through the City, Akron Public Schools, and the State of Ohio, more than \$800 million is being invested to transform the Akron public school facilities into Community Learning Centers (CLCs). Under the City's leadership, City voters approved a .25% income tax increase to rebuild and remodel Akron's schools. The new Community Learning Centers are providing modern school facilities for Akron City School District students. The CLC's are also available to the community during evenings, weekends, and summers for recreation, civic meetings, adult education, training, and a wide variety of other City programs and community activities. One new facility, the Ellet High CLC, opened for the 2019-2020 school year. The Kenmore Garfield High School is currently under construction. The project has completed 33 buildings so far, and represents the largest construction project to date in the history of the City of Akron. Funding for the program is as follows: State of Ohio funding at \$339M, local voter-approved funding \$236M, and Locally Funded Initiatives at \$133M, for a total funding program of \$708M.

JOINT ECONOMIC DEVELOPMENT DISTRICTS

A Joint Economic Development District (JEDD or District) is created by a contract entered into between a city and a township. The City has joined with four of the surrounding townships to create the Copley-Akron Joint Economic Development District, the Coventry-Akron Joint Economic Development District, the Springfield-Akron Joint Economic Development District, and the Bath-Akron-Fairlawn Joint Economic Development District. Each JEDD is made up of several areas within the respective township. These are almost exclusively commercial and industrial areas of the townships.

Each JEDD is a distinct, separate political subdivision. It has powers granted to it by State law and the JEDD contract. The purpose of the JEDD is to facilitate economic development, to create or preserve jobs and employment opportunities and to improve the economic welfare of the

people of the State, the County, the City, the township, and the District. Each of the JEDD contracts became effective after approval by the voters in the respective townships in 1994 (1998 for the Bath-Akron-Fairlawn JEDD), and each has a term that extends to December 31, 2093 (2097 for the Bath-Akron-Fairlawn JEDD) and may be extended by any party to the JEDD contract for two additional 50-year terms. The JEDD Contract may be terminated by mutual consent of the parties.

Each JEDD is governed by a Board of Directors in accordance with the JEDD contract. Each JEDD Board is made up of the Mayor and two City Council members and the three township trustees. The Bath-Akron-Fairlawn JEDD Board also includes the mayor and two council members from the City of Fairlawn.

Certain taxpayers in the original three JEDDs (Copley, Coventry, and Springfield) filed suit in 1995 against the JEDD Boards of Directors, the townships, and the City challenging the constitutionality of the statute authorizing the JEDDs. In March 1999, the Supreme Court, in a unanimous decision, resolved the issue in favor of the City and the JEDDs by ruling that the JEDD statute is constitutional. In May 2007, the Ohio Supreme Court declined to hear an appeal from a developer involving the Bath-Akron-Fairlawn JEDD. The trial court and appellate court had dismissed the developer's lawsuit for lack of standing to sue.

The JEDD Contracts generally provide that the City will extend water and sewer services to the JEDDs and, in some cases, to other areas within the townships. Each JEDD Contract describes the water and sewer facilities that are to be constructed and installed, as well as the extent of the City's obligations to fund those projects. The City has been and is continuing to extend water and sewer facilities to the JEDDs under the JEDD contracts as part of its contribution to the economic development of the region. Approximately 80 construction projects (both water and sewer) have been completed since this program began. The City has expended over \$ 67 million so far for these projects. To fund these facilities, the City has issued the Special Revenue Bonds as described in **Special Revenue Bonds**, which are payable solely, first from revenues received by the City from the JEDD and then, if necessary, from net available revenues from the respective municipal utility system, after payment of any debt service on revenue bonds for that system. The Special Revenue Bonds are subordinate obligations to the City's revenue bonds issued for the Water System and the Sewer System, respectively. See **City Debt and Other Long-Term Obligations – Revenue Bonds**. The City does not expect to have to use the utility revenues to pay debt service on any of these Special Revenue Bonds.

In order to provide water to Springfield, Coventry, and Copley Townships in accordance with the JEDD contracts, the City must use water from its system in the Lake Erie basin. The Townships are across the continental divide in the Ohio River watershed. The City has entered into an agreement with the Ohio Department of Natural Resources (ODNR) for a "no-net-loss" plan whereby water in the Portage Lakes is released by ODNR into the Ohio Canal and eventually Lake Erie to make up for any water from the City that is not returned to Lake Erie through the City's sanitary sewer system. The City's plan was submitted to the other Great Lakes states for review and comment and each has approved the plan. Several nearby communities challenged the plan in a lawsuit, but the plan was upheld by the Ohio Supreme Court.

The statutes authorizing the creation of JEDDs provide that JEDDS may levy an income tax at a rate up to but not exceeding the rate levied by the city participating in the creation of the JEDD. Each JEDD contract provides for, and each District has levied, an income tax at the rate of 2% on all earned income (wages and salaries of workers and net profit on businesses or professions) in the JEDD. Beginning April 1, 2005, the income tax rate increased to 2.25% and beginning January 1, 2018 to 2.5% in the Copley, Coventry, and Springfield JEDDs because of the contract provision providing for the rate to change so that it equals the City's municipal income tax rate. The revenues generated from this increase are allocated one-third to the respective township and two-thirds to the City. Beginning January 1, 2006, the income tax rate increased to 2.25% and beginning January 1, 2018 to 2.5% in the Bath-Akron-Fairlawn JEDD.

As the contract stipulates, the revenues generated from the tax increase are allocated one-third to Bath Township, one-third to the City of Fairlawn, and one-third to the City.

In accordance with the JEDD contracts, each JEDD has entered into a separate agreement with the City to administer and collect the JEDD income taxes. The income tax receipts for each JEDD are collected, and are accounted for separately from each other District and the City, by the City's Tax Administrator. All taxes on property within the JEDDs continue to be levied and collected by the overlapping subdivisions: the County, school districts, and the townships.

The JEDD contracts for the Coventry, Copley, and Springfield JEDDs provide that 1% of the JEDD income tax is to be used by the District for its operation and administration. The remaining portion is allocated to the City. The Bath-Akron-Fairlawn JEDD Contract also provides for 1% of the income tax revenues to be used for operation of that JEDD. It also provides, however, for certain other payments to Bath Township. The township is to be paid \$250,000 per year for 10 years and on March 13, 2006 was paid a one-time payment of \$3,282,387, which is an amount equal to 10% of the net JEDD revenue for the years 2000 to 2005 (income tax revenues less administrative costs and costs of capital improvements in the JEDD). Under separate agreements between the City and the City of Fairlawn, the City shares one-half of the net JEDD Revenues from the Bath-Akron-Fairlawn JEDD with the City of Fairlawn.

JEDD income tax receipts increased approximately 15.19 % from 2014 to 2018, inclusive (see **Historical JEDD Revenues**). In 2011, the JEDD's income tax revenue saw the first increase since 2007, increasing every year since then.

The following table sets forth the largest private and public employers within the combined JEDDS with the available information as of 2016.

Employer	Nature of Activity or Business	Approximate Number of Employees
InfoCision Management, Inc. (b)	Telemarketing	1,200
Copley Fairlawn School District (a)	Education	459
Roadway Express	Transportation	378
Cleveland Clinic Akron General Health and Wellness Center(b)	Health-care and fitness	208
Quality Mold, Inc.(c)	Tire molds, related engineering	160
Montrose Ford(a)	Automobile dealership	110
Roehling Automotive (c)		105

(a) Copley-Akron JEDD

(b) Bath- Akron JEDD

(c) Springfield - Akron JEDD

[Remaining portion of this page intentionally left blank.]

The following table sets forth the receipts and expenditures of the income tax collections in the JEDDs and the resulting JEDD revenues of the City for the past five years.

Historical JEDD Revenues

	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>
<u>Income Tax Revenues:</u>					
Bath JEDD	7,106,022	7,078,892	7,111,853	7,029,311	8,226,832
Copley JEDD	5,392,027	5,549,104	5,674,087	5,873,619	6,621,020
Coventry JEDD	3,088,196	2,331,661	2,855,641	3,110,911	3,243,262
Springfield JEDD	<u>2,924,586</u>	<u>3,557,081</u>	<u>3,394,181</u>	<u>3,316,575</u>	<u>3,232,540</u>
Total Revenues	18,510,831	18,516,738	19,035,762	19,330,416	21,323,654
<u>Expenditures:</u>					
Administrative Expenses	171,968	185,108	185,167	190,358	193,304
Refunds	428,162	113,023	440,723	207,686	382,581
Distribution to Fairlawn	3,198,445	3,483,088	3,344,739	3,272,521	3,820,280
Distribution to Townships(a)	661,831	685,231	677,555	686,740	1,664,055
Distribution to Akron City School District(b)	<u>0</u>	<u>1,382,454</u>	<u>0</u>	<u>1,527,245</u>	<u>1,382,958</u>
Total Expenditures	4,460,406	5,848,904	4,648,184	5,884,550	7,443,178
JEDD Revenues(c)	\$14,050,425	\$12,667,834	\$14,387,578	\$13,445,866	\$13,880,476
 Debt Service on Sanitary Sewer System Special Revenue Bonds(d)					
Debt Service on Waterworks System Special Revenue Bonds(d)	<u>3,069,263</u>	<u>4,287,463</u>	<u>4,268,863</u>	<u>4,268,863</u>	<u>4,267,320</u>
Total Debt Service	\$3,069,262.50	\$4,287,463	\$4,268,863	\$4,262,613	\$4,268,363
 Debt Service Coverage(e)	 4.58	 2.95	 3.37	 3.15	 3.25
 Balance of JEDD Revenues(f)	 \$10,981,162	 \$8,380,371	 \$10,188,715	 \$9,177,003	 \$9,613,156

- (a) Sharing of income tax revenues generated by the 0.50% increase in the tax rate as described above.
- (b) Payment pursuant to an agreement between the School District and the City.
- (c) JEDD Revenues for previous years are as follows: 1995- \$3,452,322, 1996- \$6,771,752, 1997- \$6,569,792, 1998 - \$6,828,956, 1999- \$9,764,530, 2000- \$12,202,582, 2001- \$10,624,460, 2002- \$10,198,426, 2003 - \$9,463,937, 2004 - \$10,509,641, 2005-\$9,331,755, 2006 - \$ 9,310,444, 2007- \$ 11,905,374 , 2008- \$ 11,243,830, 2009 - \$10,680,907, 2010 - \$10,177,030; 2011-\$8,848,738 , 2012- \$11,797,348, and 2013- \$11,861,215.
- (d) These bonds were issued in 2000 and 2002, then refinanced in 2011. Debt Service for Combined Refunder. (See **Special Revenue Bonds**.)
- (e) In accordance with the trust indentures for these bonds, "coverage" is calculated by (1) multiplying the JEDD Revenues by a percentage equal to the debt service on the respective bond issue divided by the total debt service on the Waterworks System Special Revenue Bonds and on the Sanitary Sewer System Special Revenue Bonds, and (2) dividing those "adjusted" JEDD Revenues by the debt service on the respective bond issue. Those trust indentures require a debt service coverage of at least 1.25. (See **Special Revenue Bonds**.)
- (f) Available to pay costs of capital improvements, to meet other obligations under the JEDD Contracts, and for other municipal purposes as determined by the City.

	Projected JEDD Revenues					
	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2022</u>
<u>Income Tax Revenues:</u>						
Bath JEDD	\$8,391,369	\$8,559,196	\$8,730,380	\$8,904,988	\$9,083,087	\$9,264,749
Copley JEDD	\$6,753,440	\$6,888,509	\$7,026,279	\$7,166,805	\$7,310,141	\$7,456,344
Coventry JEDD	\$3,308,127	\$3,374,290	\$3,441,776	\$3,510,611	\$3,580,823	\$3,652,440
Springfield JEDD	\$3,297,191	\$3,363,135	\$3,430,397	\$3,499,005	\$3,568,985	\$3,640,365
Total Revenues	\$21,750,127	\$22,185,130	\$22,628,832	\$23,081,409	\$23,543,037	\$24,013,898
<u>Expenditures:</u>						
Administrative Expenses	\$213,237	\$217,501	\$221,851	\$226,288	\$230,814	\$235,430
Refunds	343,663	311,310	\$345,852	\$333,608	\$330,257	\$336,572.14
Distribution to Fairlawn	3,896,686	3,974,619	4,054,112	4,135,194	4,217,898	4,302,256
Distribution to Townships(a)	774,820	792,039	809,331	824,470	841,669	858,873
Distribution to Akron City School District(b)	<u>7,517,610</u>	<u>7,592,786</u>	<u>7,668,714</u>	<u>7,745,401</u>	<u>7,822,855</u>	<u>7,901,084</u>
Total Expenditures	\$12,746,015	\$12,888,256	\$13,099,860	\$13,264,962	\$13,443,492	\$13,634,215
JEDD Revenues(c)	\$9,004,112	\$9,296,874	\$9,528,972	\$9,816,447	\$10,099,545	\$10,379,683
Debt Service on JEDD Revenue Bonds(d)	<u>\$4,255,113.00</u>	<u>\$4,268,363.00</u>	<u>\$1,927,263.00</u>	<u>\$1,928,438.00</u>		
Total Debt Service	\$4,255,113	\$4,268,363	\$1,927,263	\$1,928,438		
Debt Service Coverage(e)	2.12	2.18	4.94	5.09		
Balance of JEDD Revenues(f)	\$4,748,999	\$5,028,511	\$7,601,709	\$7,888,009	\$10,099,545	\$10,379,683

ECONOMIC AND DEMOGRAPHIC INFORMATION

Census population since 1940 has been:

<u>Year</u>	<u>City</u>	<u>County</u>	<u>MSA</u>
1940	244,791	339,405	386,065
1950	274,605	410,032	473,986
1960	290,351	513,569	605,367
1970	275,425	553,371	679,239
1980	237,177	524,472	660,328
1990	223,019	514,990	657,575
2000	217,074	542,899	694,960
2010	199,110	541,781	703,200

Employment

The following table shows comparative average annual employment and unemployment statistics for the indicated years.

Year(a)	Number (000)						Unemployment Rate(%)				
	Employed			Unemployed						Ohio	U.S.
	City	County	MSA	City	County	MSA	City	County	MSA		
2008	101.0	280.1	367.0	7.3	18.3	24.1	6.7	6.1	6.2	6.5	5.8
2009	94.4	262.2	344.6	11.2	28.9	37.8	10.6	9.9	9.9	10.1	9.6
2010	89.6	259.3	342.9	11.0	28.6	37.5	11.00	9.9	9.9	10	9.6
2011	87.5	260.0	344.2	9.3	24.0	31.7	9.3	8.5	8.4	8.6	8.9
2012	89.7	259.9	343.8	7.6	19.7	25.9	7.8	7.0	7.0	8.1	7.4
2013	83.4	251.1	332.2	7.9	20.6	27.3	8.6	7.6	7.6	7.5	7.4
2014	85.0	256.2	338.0	6.1	16.0	21.1	6.7	5.9	5.9	5.8	6.2
2015	85.5	258.1	340.7	5.2	13.5	17.7	5.7	5.0	4.9	4.9	5.3
2016	86.0	258.9	341.8	5.4	13.9	18.2	5.9	5.1	5.1	5.0	4.9
2017	86.1	259.2	340.6	5.3	13.8	16.6	5.8	5.0	4.6	5.0	4.4
Jan 2018	84.0	252.9	333.8	5.4	14.3	19.1	6.1	5.4	5.4	5.2	4.5
Feb 2018	85.2	256.6	338.7	5.3	13.8	18.4	5.8	5.1	5.1	5.0	4.4
Mar 2018	85.5	257.60	340.1	5.2	13.4	17.7	5.7	5.0	4.9	4.7	4.1
Apr 2018	85.7	258.1	340.7	4.6	12.1	15.8	5.1	4.5	4.4	4.3	3.7
May 2018	85.9	258.5	341.3	4.2	11.1	14.5	4.7	4.1	4.1	4.1	3.6
Jun 2018	85.8	258.4	341.0	5.1	13.5	17.7	5.6	5.0	4.9	5.0	4.2
July 2018	86.4	260.1	343.2	4.8	12.6	16.6	5.3	4.6	4.6	4.7	4.1
Aug 2018	85.6	257.8	340.2	4.6	12.0	15.7	5.1	4.4	4.4	4.4	3.9
Sep 2018	85.5	257.6	340.0	4.3	11.4	14.9	4.8	4.2	4.2	4.2	3.6
Oct 2018	86.6	260.7	344.0	4.5	12.0	15.5	5.0	4.4	4.3	4.3	3.5
Nov 2018	86.2	259.6	342.7	4.5	11.9	15.5	4.9	4.4	4.3	4.2	3.5
Dec 2018	86.1	259.2	342.0	5.2	13.6	17.8	5.7	5.0	4.9	4.8	3.7

(a) Not seasonally adjusted.

Source: Ohio Department of Job and Family Services.

CITY OF AKRON WORKFORCE*

The following table sets forth the private and public employers that have the largest manufacturing and nonmanufacturing workforces within the City.

	<u>Nature of Activity or Business</u>	<u>Approximate Number of Full-Time Employees*</u>
Summa Health	Hospital/Medical	5,524
Akron Children's Hospital	Hospital/Medical	4,019
Cleveland Clinic-Akron General	Hospital/Medical	3,840#
Akron Public Schools	Education	3,576
Goodyear Tire & Rubber Company	Rubber Products/Research	3,000
Summit County	Government	2,816
First Energy Corp	Utility	2,566
Signet Jewelers	Jewelry Retail/Headquarters	2,120
University of Akron	Higher Education	1,873
City of Akron	Government	1,811

*Sources: *Crain's Cleveland Business, 2019 Book of Lists*

#Per 2019 Book of List, Cleveland Clinic reported 5,502 full-time equivalent (FTE) employees in Summit County.

SEWER SYSTEM

General

The City owns and operates a wastewater collection and treatment system (the Sewer System) that serves the City and 12 other subdivisions in a 75 square mile service area. The estimated replacement value of the Sewer System exceeds \$2.2 billion. The existing collection system consists of 678 miles of sanitary sewers, which includes local, combined, and trunk sewers. Over 70% by length of these sewers carry only sanitary sewage, while the remaining 30% carry both sanitary sewage and storm water in periods of wet weather. Approximately 60% of the sewers are over 40 years in age. The City, however, conducts a regular maintenance and replacement program to maintain operational efficiency of the collection system. The collection system also includes 33 pump stations and six retention tanks. In addition, the City has 361 miles of storm sewers and 309 miles of storm and combined sewer inlet lead connections. The sewer collection system carries sewage to the Water Reclamation Facility- the City's wastewater treatment plant- which was constructed in 1928. Over the years, the treatment plant has been continuously expanded and upgraded to meet increasing demands on the Sewer System based on increased volume and regulatory requirements. The existing wastewater treatment plant provides primary and advanced secondary treatment of wastewater, followed by disinfection prior to discharge into the Cuyahoga River.

The Sewer System is operated as a self-supporting enterprise. Rates are set so as to provide sufficient funds for operation, for an adequate level of maintenance, and for debt service requirements on revenue bonds, on certain general obligation bonds or notes issued for Sewer System purposes, and on obligations to the Ohio Water Development Authority and the Ohio Public Works Commission (see **Revenue Bonds** and **City Debt and Other Long-Term Obligations**). The U.S. EPA has approved the City's user charge system for Sewer System

customers, both inside and outside the City.

The City announced that Judge John Adams of the United States District Court had entered the First Amendment to the City's Consent Decree on September 20, 2016. Judge Adams' approval of the amendment marked a culmination of months of negotiation and collaboration between the City of Akron, the United States, and the State of Ohio, all of whom had agreed to the terms of the Amendment. The Amendment, which includes two modifications to the Akron Combined Sewer Overflow (CSO) Consent Decree, provides for earlier environmental benefit, reduced and/or eliminated community and environmental impacts, and reduced costs. Both modifications align with the mission of Akron Waterways Renewed (AWR) Program – to invest in Akron's environmental future by building infrastructure for the next century that will protect public health and maintain water of the highest quality in the most cost-effective manner while providing local jobs for the citizens of Akron. For detailed information on the Akron Waterways Renewed project, please visit: www.akronwaterwaysrenewed.com/documents.

Capital Improvements

Over the past five years, the City has constructed approximately \$213.6 million worth of capital improvements to the Sewer System. This extensive capital improvements program has had a major positive impact on the operating efficiency of the Sewer System and its compliance with environmental regulations. The table below sets forth the Sewer System's capital improvement expenditures for the years 2014 through 2018, and includes expenditures from Sewer System revenues and the proceeds of bonds and other obligations.

Capital Improvement Expenditures (000)

Sewer System In (\$000)	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	TOTAL
Water Reclamation Facility	\$ 2,618	\$ 6,107	\$ 3,276	\$ 4,918	\$ 10,605	\$ 27,524
Sewer Reconstruction	7,464	3,639	4,540	3,239	3,892	22,774
Combined Sewer Overflow	24,317	39,428	34,292	37,399	23,423	58,859
Storm Water Systems	0	0	0	0	0	0
New Sewers - City						
New Sewers - JEDD	<u>2,044</u>	<u>1,920</u>	<u>330</u>	<u>100</u>	<u>100</u>	<u>4,494</u>
Total	\$ 36,443	\$ 51,094	\$ 42,438	\$ 45,656	\$ 38,020	\$ 213,651

The following table sets forth the projected capital improvement expenditures planned for the years 2019 through 2023, including expenditures from bond proceeds and Sewer System revenues, subject to availability of those revenues. As discussed under **The City – Joint Economic Development Districts**, the City is extending the Sewer System's collection system into the neighboring townships in which Joint Economic Development Districts have been established. A portion of the revenues received by the City pursuant to the JEDD contracts will be used to pay costs of extending these facilities (see **Special Revenue Bonds**).

Projected Capital Improvement Expenditures (000's)

Sewer System In (\$000)	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>TOTAL</u>
Water Reclamation Facility	\$ 5,500	\$ 5,500	\$ 5,500	\$ 5,500	\$ 5,500	\$ 27,500
Sewer Reconstruction	4,000	4,000	4,000	4,000	4,000	20,000
Combined Sewer Overflow	31,800	31,800	31,800	31,800	31,800	159,000
Storm Sewer Systems	5,000	5,000	5,000	0	0	15,000
New Sewers - City	0	0	0	0	0	0
New Sewers - JEDD	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>500</u>
Total	\$ 46,400	\$ 46,400	\$ 46,400	\$ 41,400	\$ 41,400	\$ 222,000

In 2011, the City and KB BioEnergy entered into an agreement beginning in 2017 to design, build and operate a 15,000 dry-ton-per-year anaerobic-digestion system with a combined heat and power unit capable of generating up to 1,800 kW of electricity. The system went into operation in 2013, at which point all composting operations were ended. The electricity produced reduced the plant's cost for electricity by 40%.

Employees

As of December 31, 2018, the Water Reclamation Services Bureau had 87 permanent employees involved in the operation and maintenance of the Water Reclamation Facility and the Sewer Maintenance Divisions. The Water Reclamation Services Bureau, as well as the Water Supply Bureau, are under the supervision of the Director of Public Service, the City of Akron Utilities Business Office (UBO) is under the supervision of the Finance Department (See **Water System - Employees**).

Service Area and Users

The Sewer System supplies the only sanitary sewage collection and treatment service in the City and also serves users located outside the City in the Cities of Stow, Cuyahoga Falls, Tallmadge, and Fairlawn; the Villages of Silver Lake, Munroe Falls, Lakemore, and Mogadore; and the Townships of Bath, Copley, Coventry, and Springfield. The City acquired the water and sewer lines of the Copley Square Water Company on June 4, 2010. This utility provided water and sewer service to approximately 700 accounts in Copley Township. This utility connected its water and sewer lines to Akron's water and sewer system as a condition of the purchase. The city serves these accounts on a retail basis. The numbers of users served by the Sewer System for the last five years are set forth in the following table.

SEWER SYSTEM**NUMBER OF USERS (Excluding Master Meter Communities)**

	2014	2015	2016	2017	2018
Within City					
Residential	65,189	65,308	65,755	65,998	66,126
Commercial	3,004	3,007	3,015	3,015	3,000
Industrial	477	476	481	475	465
Other	77	76	77	80	82
Subtotal	68,746	68,868	69,328	69,568	69,672
	89.6%	89.9%	91.8%	92.0%	92.0%
Outside City					
Residential	7,387	7,139	5,644	5,470	5,485
Commercial	462	474	464	468	467
Industrial	102	87	69	69	63
Other	4	4	2	3	3
Subtotal	7,955	7,703	6,179	6,009	6,018
	10.4%	10.1%	8.2%	8.0%	8.0%
Total Users					
Residential	72,576	72,447	71,399	71,467	71,611
Commercial	3,466	3,481	3,479	3,483	3,467
Industrial	578	563	550	543	528
Other	81	80	79	83	85
Total	76,701	76,570	75,507	75,577	75,690
	100.0%	100.0%	100.0%	100.0%	100.0%

The Sewer System serves six master-metered areas under separate sewer-service agreements. The flow from each of these areas is metered and sampled for biochemical oxygen demand (B.O.D.) and suspended solids (S.S.). Each community is then billed based on the flow and strength of sewage delivered to the Sewer System. Each master-meter customer is billed for flow at a designated rate per million gallons, and then receives a debit or credit for over-or-under-assigned strength sewage. Finally, a monthly billing charge is added to recover costs associated with Accounting Department services rendered. Master-meter customers account for approximately 15% of the total flow treated at the City's wastewater treatment plant. Master-meter customers handle billing to individual users.

The Sewer System's total billings and user wastewater discharge volume for the years 2013 through 2018 are detailed, in terms of account type, in the following tables.

SEWER SYSTEM

BILLED DISCHARGE REVENUE

	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>
Within City					
Residential	\$ 42,529,570	\$53,559,434	\$53,480,924	\$52,184,236	\$51,533,862
Commercial	10,983,174	14,072,232	14,418,257	13,778,114	13,952,118
Industrial	4,322,259	5,070,911	4,878,711	3,968,901	4,027,236
Other	-	-	-	-	-
Subtotal	\$57,835,002	\$72,702,577	\$72,777,892	\$69,931,251	\$69,513,216
	76.6%	79.4%	79.0%	78.2%	77.8%
Outside City					
Residential	\$5,596,758	\$5,597,654	\$3,715,831	\$3,476,201	\$3,414,479
Commercial	1,531,010	1,995,483	2,019,340	1,923,054	1,934,352
Industrial	484,786	485,152	405,804	403,199	424,610
Other	-	-	-	-	-
Subtotal	\$7,612,554	\$8,078,289	\$6,140,975	\$5,802,454	\$5,773,440
	10.1%	8.8%	6.7%	6.5%	6.5%
Total Billed Discharge					
Residential	\$48,126,328	\$59,157,088	\$57,196,755	\$55,660,437	\$54,948,341
Commercial	12,514,184	16,067,716	16,437,598	15,701,168	15,886,469
Industrial	4,807,044	5,556,063	5,284,515	4,372,100	4,451,846
Other	-	-	-	-	-
Subtotal	\$65,447,556	\$80,780,867	\$78,918,867	\$75,733,705	\$75,286,656
	86.7%	88.2%	85.7%	84.7%	84.2%
Master Metered Suburban Communities					
Cuy. Falls	\$2,141,508	\$2,613,993	\$3,821,818	\$2,550,042	\$2,902,751
Montrose	903,755	952,707	1,114,307	1,214,719	1,376,423
Mud Brook	4,836,427	4,783,491	5,358,971	6,067,050	6,282,363
Springfield	-	-	538,355	1,069,230	1,252,251
Lakemore	591,092	773,391	745,622	903,888	933,872
Tallmadge	1,565,535	1,671,014	1,618,058	1,849,594	1,367,157
Subtotal	\$10,038,317	\$10,794,596	\$13,197,131	\$13,654,522	\$14,114,817
	13.3%	11.8%	14.3%	15.3%	15.8%
Total	\$75,485,873	\$91,575,463	\$92,115,998	\$89,388,227	\$89,401,473
	100.0%	100.0%	100.0%	100.0%	100.0%

SEWER SYSTEM**USER DISCHARGE VOLUME (Millions of Gallons)**

	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>
Akron Billed Discharge					
Residential	3,565.6	3,554.8	3,498.9	3,414.5	3,368.5
Commercial	1,011.1	982.8	997.2	951.8	964.9
Industrial	459.1	475.5	445.7	453.4	433.5
Other	63.2	54.3	52.4	55.5	61.3
Subtotal	5,099.1	5,067.4	4,994.2	4,875.1	4,828.2
	49.4%	50.3%	50.2%	49.1%	47.6%
Suburban Billed Discharged					
Residential	420.8	353.7	321.5	311.9	305.9
Commercial	181.9	196.7	193.1	183.7	178.6
Industrial	52.1	48.1	40.1	39.6	41.7
Other	0.1	3.1	0.1	4.1	3.1
Subtotal	654.9	601.5	554.8	539.3	529.2
	6.3%	6.0%	5.6%	5.4%	5.2%
Subtotal Billed Discharge					
Residential	3,986.4	3,908.5	3,820.4	3,726.4	3,674.4
Commercial	1,193.0	1,179.5	1,190.2	1,135.5	1,143.5
Industrial	511.2	523.6	485.8	492.9	475.1
Other	63.4	57.3	52.4	59.6	64.3
Subtotal	5,754.0	5,668.9	5,549.0	5,414.4	5,357.4
	55.7%	56.3%	55.7%	54.5%	52.8%
Master Metered Suburban Communities					
Cuy. Falls	926.2	1,030.4	1,095.7	907.7	965.5
Montrose	393.6	389.7	382.1	410.8	432.9
Mud Brook	2,045.1	1,819.9	1,739.3	1,847.6	2,129.1
Springfield	-	-	229.3	369.0	442.3
Lakemore	326.0	331.9	310.2	356.0	360.5
Tallmadge	879.6	826.6	648.3	630.1	461.3
Subtotal	4,570.5	4,398.5	4,404.9	4,521.2	4,791.5
	44.3%	43.7%	44.3%	45.5%	47.2%
Total					
	10,324.5	10,067.3	9,953.9	9,935.6	10,148.9
	100.0%	100.0%	100.0%	100.0%	100.0%

Average Daily Discharge Volume

Millions of Gallons	28.286	27.582	27.271	27.221	27.805
---------------------	--------	--------	--------	--------	--------

The total user volume billed by the Sewer System for 2018 was 9.843 billion gallons. The ten largest retail users by volume, based on billings, and the master meter customers for the last five years are set forth in the following table.

SEWER SYSTEM

Ten Largest User Accounts		Discharge Volume in Millions of Gallons					Billing Revenue				
Customer	Entity Type	2014	2015	2016	2017	2018	2014	2015	2016	2017	2018
University of Akron	Education	121.6	95.4	103.2	113.7	133.5	\$ 1,259,352	\$ 1,359,896	\$ 1,471,305	\$1,619,955	\$ 1,881,239
IRG RC Lessor LLC	Industrial	166.4	188.8	149.0	116.5	108.5	1,852,646	\$2,347,148	1,905,431	1,490,586	1,387,483
Childrens Hospital Medical Center	Medical	46.7	46.8	49.0	48.4	47.7	504,579	648,643	689,040	689,563	680,012
Akron General Medical Center	Medical	43.3	46.1	56.8	47.9	46.4	485,392	656,967	808,178	681,942	660,815
Summa Health Systems	Medical	50.2	45.9	41.4	36.9	35.8	519,982	622,307	590,285	525,350	509,543
Summit County Jail	Government	29.1	24.1	29.3	29.1	32.2	309,777	332,355	417,556	414,337	458,710
St Thomas Hospital	Medical	28.8	25.7	-	-	25.1	301,152	349,186	*	*	357,023
Omnova Solutions inc	Industrial	*	*	-	24.9	24.8	*	*	*	236,551.0	277,848
Emeral Polymer Additives LLC	Industrial	*	*	23.1	-	24.4	*	*	294,979	*	311,884
Waterford at Portage Oh LLC	Residential	*	*	-	21.0	20.5	*	*	*	299,614.0	291,694
Park Lane Manor of Akron Inc	Commercial	*	*	22.8	21.2	-	*	*	324,684	302,321	*
Akron Board of Education	Commercial	*	38.9	-	20.1	-	*	554,876	*	286,749.0	*
GenCorp Polymer Products	Industrial	30.9	26.3	29.8	-	-	257,230	247,407	283,069	*	*
LMA Commerce Two LLC	Commercial	26.2	*	25.1	-	-	291,046.0	*	321,336	*	*
Mall At Summit LLC	Commercial	*	36.6	-	-	-	*	220,045	*	*	*
Total		543.2	574.6	529.6	479.7	498.8	\$ 5,781,156	\$ 7,338,830	\$ 7,105,863	\$ 6,546,968	\$ 6,816,251

SEWER SYSTEM

Master Meter Communities (b)		Discharge Volume in Millions of Gallons					Billing Revenue				
	Customer	2014	2015	2016	2017	2018	2014	2015	2016	2017	2018
(c)	Cuyahoga Falls	926.2	1,030.4	1,095.7	907.7	965.5	\$ 2,141,508	\$ 2,613,993	\$ 3,821,818	\$ 2,550,042	\$ 2,902,751
	Montrose (Summit County)	393.6	389.7	382.1	410.8	432.9	903,755	952,707	1,114,307	1,214,719	1,376,423
	Mud Brook (Summit County)	2,045.1	1,819.9	1,739.3	1,847.6	2,129.1	4,836,427	4,783,491	5,358,971	6,067,050	6,282,363
	Springfield (Summit County)	-	-	229.3	369.0	442.3	-	-	538,355	1,069,230	1,252,251
	Lakemore	326.0	331.9	310.2	356.0	360.5	591,092	773,391	745,622	903,888	933,872
	Tallmadge	879.6	826.6	648.3	630.1	461.3	1,565,535	1,671,014	1,618,058	1,849,594	1,367,157
Total		4,570.5	4,398.5	4,405.0	4,521.2	4,791.5	\$ 10,038,317	\$ 10,794,596	\$ 13,197,131	\$ 13,654,522	\$ 14,114,817

- Not part of top ten largest users for specified year

(a) Wholesale contract

(b) Governmental, wholesale contracts

(c) Revised revenue for 2015 due to contract true-ups

Sewer Rates

Council passed Ordinance 26-2014 establishing a revised schedule of rates for non-Master Meter service charges (effective 01/01/2014) and ordinance 32-2017 establishing a revised schedule of rates for Master Meter customers, shown in the following table.

City of Akron Sewer System Sewer Rates - 2015-2019

SEWER SYSTEM															
Rates For Sewer Service															
Effective January 1 of each year unless otherwise noted															
Customer	2015			2016			2017			2018			2019		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
	Rate (\$/HCF)			Rate (\$/HCF)			Rate (\$/HCF)			Rate (\$/HCF)			Rate (\$/HCF)		
Akron	\$10.66	\$10.66	\$9.57	\$10.66	\$10.66	\$9.57	\$10.66	\$10.66	\$9.57	**	**	**	**	**	**
Akron HEAP *	\$6.85	-	-	\$6.85	-	-	\$6.85	-	-	**	**	**	**	**	**
JEDD	\$10.66	\$10.66	\$9.57	\$10.66	\$10.66	\$9.57	\$10.66	\$10.66	\$9.57	**	**	**	**	**	**
Suburban	\$5.26	\$5.24	\$6.77	\$5.26	\$5.24	\$6.77	\$5.26	\$5.24	\$6.77	**	**	**	**	**	**
Fairlawn Contract	\$4.61	\$4.60	\$6.12	\$4.61	\$4.60	\$6.12	\$4.61	\$4.60	\$6.12	**	**	**	**	**	**
Master Meter	Rate (\$/1,000 gal)			Rate (\$/1,000 gal)			Rate (\$/1,000 gal)**			Rate (\$/1,000 gal)			Rate (\$/1,000 gal)		
	Jan-Mar	Apr-Aug	Sep-Dec				Jan-Mar	Apr-Dec		Jan-Mar	Apr-Dec		Jan-Mar	Apr-Dec	
Cuy. Falls	\$2.13	\$2.78	\$2.96	\$2.69			\$2.69	\$3.04		\$3.04	\$3.10		\$3.04	\$3.18	
Montrose	2.353	2.546	2.694				2.694	3.041		3.041	3.102		3.041	3.183	
Mud Brook	1.97	2.643	2.694				2.694	3.041		3.041	3.102		3.041	3.183	
Lakemore	2.003	2.273	2.694				2.694	3.041		3.041	3.102		3.041	3.183	
Tallmadge	2.066	2.356	2.694				2.694	3.041		3.041	3.102		3.041	3.183	

* HEAP is a federally funded program that issues heating benefits to supplement a household's annual energy cost

** 2018 rates have not yet been established

*** 2017 Master Meter rates approved 02/06/2017, Ord 32-2017

The City applies a surcharge to master meter customers that discharge wastewater to the Sewer System that is of greater strength than certain defined levels as follows:

	<u>B.O.D. (mg/L)</u>	<u>Suspended Solids (mg/L)</u>
Residential User	182	290
Commercial User	289	572
Industrial User	399	771
Suburban Master Meter User	182	290

Those master-meter customers that discharge wastewater with strengths in excess of these levels are charged \$0.237 per pound of excess B.O.D. per day and \$0.201 per pound of excess suspended solids per day.

Billing and Collection

Bills to most users of the Sewer System are mailed monthly. The City adds a 10% penalty, based on current charges to all Sewer System bills not paid within 15 days after the date they are mailed. If those bills remain unpaid for 45 days from the original bill, the City delivers a termination notice to the user, and service may be terminated 10 days after that by discontinuing water service. If service is terminated, it will not be restored until the bill is paid or a payment arrangement is signed. Ohio law provides additional sewer-charge collection procedures for cities, counties, and villages. When sewer charges are not paid when due, they may be sought either by court action or by certification to the county auditor for collection as a special assessment with the real estate taxes, with partial payments (\$10 minimum) permitted before the certification. Certification may be made only if the charges have been due and unpaid for at least 60 days and communication of the pending certification has been attempted with the owner through written notice at least 30 days before the certification. After certification, the lien created by the certification may be released upon full payment to the County Fiscal Officer of the unpaid water charges plus associated penalties, if any. The City began these procedures for the collection of delinquent water charges in 2004.

Sewer System account receivables over 30 days past due totaled \$ 4,335,221 which represents 44% of the \$9,805,503 in sewer receivables at 12/31/2018. The amounts past due as of 12/31/2018 are as follows: 30 day - \$ 1,460,791, 60 day - \$1,140,165 and 90 day - \$1,755,034. It is the general policy of the Utilities Business Office to pursue economically feasible collection of outstanding balances rather than write them off.

Historical Income, Expenditures and Debt Service Coverage

The following table sets forth historical comparative income and expenditures for the Sewer System for the past five years as well as debt-service coverage for those years reported and computed on a cash basis (see **Revenue Bonds**).

[Remaining portion of this page intentionally left blank.]

Historical Income and Expenditures and Debt Service Coverage

	2014	2015	2016	2017	2018
Total Operating Revenues	\$ 61,016,009	\$ 88,193,266	\$ 89,445,973	\$ 92,862,293	\$ 87,695,442
Total Operating Expenses	\$ 26,373,326	\$ 32,423,804	\$ 33,874,123	\$ 37,068,551	\$ 35,638,979
Net Revenues	\$ 34,642,683	\$ 55,769,462	\$ 55,571,850	\$ 55,793,742	\$ 52,056,463
Debt Service on Outstanding Bonds	\$ 5,080,061	\$ 5,079,000	\$ 5,077,500	\$ 1,890,000	\$ -
Debt Service Coverage on Outstanding Bonds (a)	6.82	10.98	10.94	29.52	n/a
Net Revenues Available for Other Utility Obligations (b)	\$ 29,562,622	\$ 50,690,462	\$ 50,494,350	\$ 53,903,742	\$ 52,056,463
Repay of OWDA/OPWC Loans	\$ 13,699,307	\$ 17,714,147	\$ 10,623,787	\$ 19,025,183	\$ 19,619,480
General Obligation Bond Payments	-	-	-	-	157.55
Balance Available	\$ 15,863,315	\$ 32,976,315	\$ 39,870,563	\$ 34,878,559	\$ 32,436,982

(a) Final payment on outstanding bonds occurred in 2017 and are not applicable for 2018.

(b) Net Revenues divided by Debt Service on Outstanding Bonds. The Trust Indenture for the Sewer System Improvement Revenue Bonds requires a debt-service coverage of at least 1.25.

(c) Other utility obligations includes loans from the Ohio Water Development Authority (OWDA), loans from the Ohio Public Works commission to the city used for sewer system improvements and general obligation bonds of the City issued to pay costs of improving the sewer system. Payments to OWDA and OPWC do not have a lien on revenues of the utility and payments to OWDA is to be made from net revenues only after payment in full of debt service on bonds.

WATER SYSTEM

General

The City has owned and operated its water supply, treatment, and distribution system (the Water System) since 1912. The watershed for the Water System covers 207 square miles and offers a potential supply of 120 million gallons per day. In 2017, the average daily pumpage was approximately 34.65 million gallons. According to the Ohio EPA, approved treatment plant capacity is 67 million gallons per day (M.G.D.) and approved instantaneous flow rate is 76 M.G.D. The Water System includes over 1,230 miles of pipe, 15 distribution-storage reservoirs, elevated tanks and standpipes, and 11 booster-pump stations. It serves over 90,000 customers in the City, six other municipalities, and parts of five adjacent townships.

The Water System is operated as a self-supporting enterprise. Rates are set so as to provide sufficient funds for operation, for an adequate level of maintenance, for capital improvements, and for debt-service requirements on revenue bonds, on certain general obligation bonds or notes issued for Water System purposes, and on obligations to the Ohio Water Development Authority (OWDA) and the Ohio Public Works Commission (OPWC) (see **Revenue Bonds and City Debt and Other Long-Term Obligations**).

The City's extensive water system is not confined to the sale of water. Other sources of revenues (totaling approximately \$2.854 million for 2018) include billing services for sewer and curb service (\$2.331 million).

Water Supply, Treatment and Distribution

The Cuyahoga River is the source of the City's water supply. The river's headwater is 15 miles from Lake Erie; it flows south to the City and then north into Lake Erie at the City of Cleveland.

The Water System's four reservoirs and their locations and capacities are set forth in the following table.

<u>Reservoir</u>	<u>Location (County)</u>	<u>Surface Area (acres)</u>	<u>Capacity (Billion Gallons)</u>
Lake Rockwell	Portage	611	2.0/2.3(a)
East Branch	Geauga	420	1.5
Wendell R. LaDue	Geauga	1,500	5.9
Mogadore	Portage	900	2.3/3.3(a)

(a) Increased capacity is available through use of flashboards, which are temporary wood additions to the dam to increase its height.

The City has underground resources to add to its surface reservoirs. Preliminary studies indicate that development of well fields in the upper portions of the watershed could provide a potential supplemental capacity of 22 M.G.D.

Untreated water flows from Lake Rockwell to the water plant about one-half mile away. All water supplied to the City passes through the treatment plant and pumping station at Lake Rockwell. Originally built in 1915, this plant has been enlarged, remodeled, and modernized over the years.

Upon entering the plant at Lake Rockwell, the raw water is chemically treated to kill bacteria and to coagulate, flocculate, and settle suspended particles. From there, the partially clarified water flows through filters that remove the particles and solid impurities remaining in the water after the settling process. A one-million gallon clear well collects the filtered water, which is further treated with additional chemicals: chlorine as a disinfectant, fluoride to prevent tooth decay, and pH stabilization and corrosion inhibitor agents to prevent corrosion and encrusting of the water mains. After the final chemical treatment, the water is pumped to the City by six pumps located in the high-lift pumping station. This is the first time that pumps are used; until this point, water has flowed to and through the system by force of gravity.

The treated water is pumped through about 31 miles of force mains to two equalizing reservoirs in the City. About 53 miles of feeder mains (12 and 16 inch) distribute water from the force mains and the equalizing reservoirs to a network of approximately 963 miles of distribution mains (4 and 10 inch) in the City and over 132 miles of mains in areas outside of the City. Water is stored within the distribution system at 11 different locations.

In addition to the domestic water supply, the City has an industrial water supply that is rarely used but stands ready to service the needs of industry in the event of a serious breakdown at the Lake Rockwell facility. Because this industrial watershed comes into the Cuyahoga River in the City, it does not flow through the Lake Rockwell facilities. This industrial water is untreated and not potable. The primary source of this industrial water is the Mogadore Reservoir in the valley of the Little Cuyahoga River. Because of the capacity and smooth operation of Lake Rockwell and the East Branch and LaDue Reservoirs, Mogadore Reservoir has been used exclusively in recent years for recreation and to control the flow of the Little Cuyahoga River. Deep wells owned by private industry are also a source of industrial water.

Capital Improvements

Over the past five years, the City has constructed approximately \$38 million worth of capital improvements to the Water System. This extensive capital improvements program has had a major positive impact on the operating efficiency of the Water System.

An example of this increased efficiency is the Water System's water service connections replacement program that began in 1964. The Water System assumed the responsibility of maintaining and replacing water service connections at no direct cost to the consumer. The replacement of house lines by the customer and water-service connections by the Water System with copper materials has reduced the operating expenses incurred in finding and repairing recurrent leaks as well as the unaccounted-for loss of water because of leaks. The Water System uses this program to reduce operating and capital costs further by systematically replacing all non-copper water service connections during the excavation phase of a street paving project rather than implementing a random replacement program that would increase surface restoration costs. The City expects that the copper replacement program will assist it in reducing the number of leaking water service connections and in complying with the requirements of the national lead/copper regulations of the U.S. EPA. The Water System has also instituted and maintains an active repair and replacement program for its distribution system, much of which was constructed before the 1930s. The Water System expects to reduce the rate of breaks through the continuation of the Water System's water-main-replacement program. Replacement of the older, iron pipes with new, cement-lined, ductile, iron pipes has reduced pumping costs and the occurrences of pavement damage, while meeting U.S. EPA drinking water regulations.

On January 23, 2017, the City released public records and an interactive map that demonstrate the City's proactive efforts to replace lead piping for residences and businesses throughout the City and to treat the City's water with special chemicals that prevent lead from dissolving into the water supply. The information can be found at www.akronohio.gov/water. The City regularly tests homeowners' tap water for lead and results show that the corrosion control program is working and that the City exceeds all United States Environmental Protection Agency (EPA) requirements.

The following table sets forth the Water System's capital improvement expenditures for the years 2014 through 2018 and includes expenditures from bond proceeds and Water System revenues.

Capital Improvement Expenditures (000)

Water System	A C T U A L (000's)					
In (\$000)	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>TOTAL</u>
Water Treatment Plant	\$ 1,366	\$ 1,517	\$ 6,147	\$ 65	\$ 570	\$ 9,665
Transmission and Distribution - City	3,464	2,378	7,820	2,655	1,432	17,749
Transmission and Distribution - JEDD	2,793	2,768	430	19	-	6,010
General	682	948	354	67	153	2,204
Total	\$ 8,305	\$ 7,611	\$ 14,751	\$ 2,806	\$ 2,155	\$ 35,628

The following table sets forth the projected capital improvement expenditures planned for the years 2019 through 2023, including expenditures from proceeds of bonds and other obligations, State grants, and Water System revenues, subject to availability of those revenues. As discussed in **The City-Joint Economic Development Districts**, the City has extended the Water System's transmission and distribution system into the neighboring townships in which Joint Economic Development Districts have been established. A portion of the revenues received by the City under the JEDD contracts will be used to pay costs of extending these facilities (see **Special Revenue Bonds**).

Projected Capital Improvement Expenditures (000's)

Water System	P R O J E C T E D (000's)					
In (\$000)	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2021</u>	<u>2023</u>	<u>TOTAL</u>
Water Treatment Plant	\$ 900	\$ 900	\$ 900	\$ 900	\$ 900	\$ 4,500
Transmission and Distribution - City	2,000	2,000	2,000	2,000	2,000	10,000
Transmission and Distribution - JEDD	-	-	-	-	-	-
General	250	250	250	250	250	1,250
Total	\$ 3,150	\$ 3,150	\$ 3,150	\$ 3,150	\$ 3,150	\$ 15,750

Employees

As of December 31, 2018, the City had 120 permanent employees involved in the operation and maintenance of the Water System. The Water Bureau, which includes all functions of the Water System as well as the Water Pollution Control Division and the Sewer Utilities Field Operations, is under the supervision of the Director of Public Service except the Finance Department's Manager of the Akron Utilities Business Office (see **Sewer System – Employees**).

Service Area and Users

As of December 31, 2018, the Water System provided water to approximately 72,119 accounts inside the City and 8,807 accounts outside the City's corporate limits. Those outside accounts represent 10.9 % of the total accounts serviced by the Water System and 20.1 % of the Water System's metered water. These figures include the sale of water to the City of Tallmadge and the City of Stow on a wholesale basis.

The Water System's number of users, billed revenue and metered consumption, by location and account type, are summarized in the following tables.

WATER SYSTEM NUMBER OF USERS

	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>
Within City					
Residential	65,450	65,569	65,993	66,217	66,344
Commercial	3,616	3,624	3,645	3,648	3,637
Industrial	1,441	1,456	1,503	1,491	1,464
Other	817	794	677	692	674
Subtotal	71,324	71,443	71,818	72,048	72,119
	88.1%	88.5%	88.9%	89.1%	89.1%
Outside City					
Residential	7,759	7,620	7,596	7,390	7,467
Commercial	778	781	783	793	805
Industrial	121	101	73	70	67
Other	978	738	536	533	468
Subtotal	9,637	9,240	8,988	8,786	8,807
	11.9%	11.5%	11.1%	10.9%	10.9%
Total Users					
Residential	73,209	73,190	73,589	73,607	73,812
Commercial	4,394	4,405	4,428	4,441	4,442
Industrial	1,562	1,557	1,576	1,561	1,531
Other	1,796	1,532	1,213	1,225	1,142
Total	80,960	80,684	80,806	80,834	80,926
	100.0%	100.0%	100.0%	100.0%	100.0%

**WATER SYSTEM
BILLED WATER REVENUE**

	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>
Within City					
Residential	\$ 6,609,524	\$14,521,834	\$ 16,155,913	\$16,032,966	\$ 15,858,387
Commercial *	4,277,756	6,186,728	4,225,873	4,111,032	4,197,690
Industrial	1,662,405	1,556,740	1,528,667	1,300,213	1,329,274
Other	142,613	257,467	242,032	251,568	190,516
Subtotal	\$22,692,298	\$22,522,769	\$22,152,485	\$21,695,778	\$ 21,575,868
	76.0%	74.9%	74.8%	74.5%	74.0%
Outside City					
Residential	3,688,658	3,692,695	3,596,006	3,529,856	\$3,457,624
Commercial *	3,074,283	3,252,390	3,223,621	3,246,786	3,476,062
Industrial	273,111	358,910	377,357	413,219	445,948
Other	147,056	228,776	265,891	253,475	196,789
	\$	\$	\$	\$	\$
Subtotal	7,183,107	7,532,771	7,462,875	7,443,335	7,576,423
	24.0%	25.1%	25.2%	25.5%	26.0%
Total Users					
Residential	\$20,298,181	\$20,151,651	\$19,751,919	\$19,562,822	\$9,316,011
Commercial	7,352,039	7,501,996	7,449,494	7,357,818	7,673,752
Industrial	1,935,516	1,915,650	1,906,024	1,713,431	1,775,222
Other	289,669	486,243	507,923	505,043	387,306
Total	\$29,875,405	\$30,055,540	\$29,615,360	\$29,139,114	\$ 29,152,291
	100.0%	100.0%	100.0%	100.0%	100.0%

WATER SYSTEM**METERED WATER CONSUMPTION (1,000 cubic feet)**

	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>
Within City					
Residential	385,984	480,736	469,558	457,905	451,319
Commercial *	275,825	279,081	277,173	272,895	279,030
Industrial	80,230	78,571	73,138	59,729	61,352
Other	15,145	20,199	23,304	22,442	16,341
Subtotal	757,183	858,588	843,173	812,971	808,042
	79.4%	80.4%	80.4%	80.0%	79.9%
Outside City					
Residential	142,697	147,400	140,463	138,835	138,195
Commercial *	36,960	40,864	40,462	39,527	39,852
Industrial	13,075	14,272	16,106	16,807	19,249
Other	3,752	7,044	8,376	7,965	5,903
Subtotal	196,485	209,581	205,407	203,135	203,199
	20.6%	19.6%	19.6%	20.0%	20.1%
Total Users					
Residential	528,680	628,137	610,022	596,740	589,514
Commercial	312,785	319,946	317,634	312,421	318,882
Industrial	93,305	92,843	89,244	76,537	80,600
Other	18,898	27,243	31,679	30,408	22,244
Total	953,668	1,068,169	1,048,580	1,016,106	1,011,240
	100.0%	100.0%	100.0%	100.0%	100.0%

* 2014 through 2016 amounts have been restated due to reclassification of Stow consumption

The area served with the Water System's water includes the Cities of Akron, Hudson, Tallmadge, Stow, Fairlawn, and a portion of Cuyahoga Falls; the Village of Mogadore; parts of the Townships of Bath, Boston, Springfield, Copley, and Coventry; and the Great Lakes Canning Company plant.

Most customers outside the City pay a retail rate equal to the amount charged to customers within the City plus a 10% to 60% retail surcharge. The City of Tallmadge is paying a rate equivalent to the City rate plus a 22.5% surcharge. The City of Fairlawn customers currently pay a retail rate equal to the City rate plus a 15% surcharge. Customers in the Village of Mogadore, the west portion of the City of Cuyahoga Falls, and the Townships of Bath and Boston, as well as the Great Lakes Canning Company plant, pay a retail surcharge of 45% to 60%. Those customers in Joint Economic Development Districts within the Townships of Copley, Coventry, Springfield, and Bath generally pay a surcharge of 10%. Residents and businesses in Hudson pay a monthly projects surcharge to cover expenses for additional system improvements, beyond regular capital

improvements, benefitting customers within the City of Hudson.

The County formerly operated a water distribution system, but sold the majority of that system to the City of Stow in 2001 and the remainder of that system to them in 2006. Akron signed a wholesale water supply contract with Stow in 2006, providing for a 15% surcharge. The contract also provides for tax-sharing from new business development in selected areas of Stow and adjacent areas made possible by the availability of water from the City's system. The City acquired the water and sewer lines of the Copley Square Water Company on June 4, 2010. This utility provided water and sewer service to approximately 700 accounts in Copley Township. The utility connected its water and sewer lines to Akron's water and sewer as a condition of the purchase. The City serves these accounts on a retail basis. The following table sets forth the ten largest users of water in 2014-2018.

WATER SYSTEM

Ten Largest User Accounts		Water Volume in Million Cubic Feet					Billing Revenue				
Customer	Entity Type	2014	2015	2016	2017	2018	2014	2015	2016	2017	2018
City Stow (a)	Government	119.4	125.4	122.3	125.3	127.2	\$ 1,848,038	\$ 1,937,122	\$ 1,890,712	\$ 1,934,788	\$ 1,963,641
City Tallmadge (a)	Government	57.4	61.0	57.7	57.5	59.0	996,965	1,053,662	1,001,154	998,050	1,021,664
Univ of Akron	Education	19.1	19.2	21.1	19.5	24.4	295,265	276,499	283,094	276,970	356,159
IRG RC Lessor	Industrial	33.8	33.1	29.7	21.9	21.5	527,194	525,170	460,301	374,687	365,969
Coca Cola Bottling	Food Prod	9.3	7.5	10.6	11.4	13.5	304,221	261,721	330,665	347,351	389,732
Cleveland Clinic	Medical	8.6	9.5	11.4	9.8	9.5	157,811	164,861	186,221	169,708	166,141
Childrens Hospital	Medical	7.6	7.2	7.3	6.5	6.4	153,672	152,856	151,959	148,026	141,316
Summa Health	Medical	6.8	6.4	5.9	5.1	5.2	153,818	143,073	129,468	113,249	121,498
Ohio Pure Foods	Industrial	*	*	*	4.6	4.7	*	*	*	78,342	84,004
St Thomas	Medical	*	*	*	*	4.6	*	*	*	*	94,445
LMA Commerce	Commercial	5.6	*	5.4	*	*	138,625	*	122,765	*	*
Rubbermaid	Industrial	6.2	4.9	5.1	4.5	*	122,638	108,969	126,108	108,918	*
Mall At Summit	Commercial		4.9					116,737			
Total		273.8	279.1	276.5	266.1	276.0	\$ 4,698,245	\$ 4,740,671	\$ 4,682,446	\$ 4,550,089	\$ 4,704,570

* Not part of top ten largest users for specified year

(a) Wholesale contract

The following table sets forth the water sales and number of meters in service for the Water System for the years 2014 through 2018.

WATER SALES & NUMBER OF METERS

For the Year 2014 2015 2016 2017 2018

Total Sales Volume for Year

Billions of Gallons	7.133	7.990	7.843	7.600	7.564
---------------------	-------	-------	-------	-------	-------

Average Daily Sales Volume

Millions of Gallons	19.544	21.890	21.489	20.823	20.723
---------------------	--------	--------	--------	--------	--------

Approximate Number of Meters in Service

	82,621	82,703	81,967	83,399	83,399
--	--------	--------	--------	--------	--------

Water Rates

Rates and charges for the products and services of the Water System are set by the Director of Public Service. The Service Director is bound by the rate covenant in the bond legislation and trust indentures relating to the various revenue bond issues (see **City Debt and Other Long-Term Obligations – Revenue Bonds** and **Special Revenue Bonds**). The Service Director approved a water rate schedule effective May 1, 2010 as follows (as of 2/28/2018 rates and for 2018 and beyond had not been established);

City of Akron Water System Water Rates - 2015-2019

WATER SYSTEM

Quarterly Rates Per 100 Cubic Feet

Effective May 1 of each year		2015	2016	2017	2018	2019
Block 1	0 - 9,000 cu.ft.	\$2.73	\$2.73	\$2.73	\$2.73	**
Block 2	9,001 - 1,500,000 cu.ft.	2.45	2.45	2.45	2.45	**
Block 3	1,500,001 cu.ft. and over	1.29	1.29	1.29	1.29	**
Billing Charge Per Quarter		11.26	11.26	11.26	12.00	12.00

WATER SYSTEM

Quarterly Rates For Fire Service

Effective May 1 of each year		2015		2016		2017		2018		2019	
Size of Line		Metered*	Unmetered	Metered*	Unmetered	Metered*	Unmetered	Metered*	Unmetered	Metered*	Unmetered
1"		\$21.57	\$64.52	\$21.57	\$64.52	\$21.57	\$64.52	\$21.57	\$64.52	**	**
2"		43.17	129.11	43.17	129.11	43.17	129.11	43.17	129.11	**	**
3"		53.86	172.14	53.86	172.14	53.86	172.14	53.86	172.14	**	**
4"		73.33	243.83	73.33	243.83	73.33	243.83	73.33	243.83	**	**
6"		107.76	358.77	107.76	358.77	107.76	358.77	107.76	358.77	**	**
8"		172.14	574.07	172.14	574.07	172.14	574.07	172.14	574.07	**	**
10"		279.81	911.05	279.81	911.05	279.81	911.05	279.81	911.05	**	**
12"		451.95	1,499.30	451.95	1,499.30	451.95	1,499.30	451.95	1,499.30	**	**

* Includes installations with full flow and detector check assemblies

** 2019 rates have not yet been established (current rates effective 03/01/2015)

As previously noted, City Council establishes various other retail rates for accounts outside the City. The quarterly charge per fire hydrant applicable to retail users outside the City is \$12.50.

Billing and Collection

Bills are rendered on a monthly basis. Bills indicate a net amount; a user may pay the net amount during the first 20 days after the bill is mailed. After 70 days the City initiates a shut-off procedure, and the user may have to pay up to \$40 to have service reinstated.

Water accounts are only in the name of the owner of the property. The City has the right to discontinue water service to any other property in the service area owned by a delinquent customer. Ohio law provides additional water-charge collection procedures for cities, counties, and villages. When water charges are not paid when due, they may be sought either by court action or by certification to the county auditor for collection as a special assessment with the real estate taxes, with partial payments (\$10 minimum) permitted before the certification. Certification may be made only if the charges have been due and unpaid for at least 60 days and communication of the pending certification has been attempted with the owner through written notice at least 30 days before the certification. After certification, the lien created by the certification may be released upon full payment to the County Fiscal Officer of the unpaid water charges plus associated penalties, if any. The City began these procedures for the collection of delinquent water charges in 2004.

In 2018, Water System account receivables over 30 days past due totaled \$ 1,784,702 which represents 50% of the \$3,586,493 in water receivables at 12/31/2018. The amounts past due as of 12/31/2018 are as follows: 30 day - \$ 479,057, 60 day - \$203,574, and 90 day - \$1,102,071. It is the general policy of the Utilities Business Office to pursue economically feasible collection of outstanding balances rather than write them off.

[Remaining portion of this page intentionally left blank.]

Historical Operating Results

The following table sets forth historical comparative revenue and expenses for the Water System for the past five years, as well as debt service coverage for those years, reported and computed on a cash basis (see **Revenue Bonds**).

Historical Income and Expenditures and Debt Service Coverage

	2014	2015	2016	2017	2018
Operating Revenues	\$ 37,722,226	\$ 7,800,342	\$ 39,214,624	\$ 41,148,637	\$ 37,796,120
Operating and Maintenance Expenditures	26,303,125	28,299,344	27,661,089	28,053,883	31,245,107
Net Operating Revenues	11,419,101	9,500,998	11,553,535	13,094,754	6,551,013
Maximum Annual Debt Service (1)	4,946,007	4,947,370	4,972,824	4,972,824	1,642,715
Debt Service Coverage (2)	2.31	1.92	2.32	2.63	3.99
Actual M/R Debt Service (3)(5)	5,011,457	5,027,989	5,038,570	4,940,454	4,975,076
Balance Available for Capital Additions, Reserves and Other Purposes	6,407,644	4,473,009	6,514,965	8,154,300	1,575,937
General Obligation Debt Service and OWDA Loan Repayment(4)(6)	1,437,054	1,763,892	2,133,438	2,133,438	2,558,318
Balance Available	\$ 4,970,590	\$ 2,709,117	\$ 4,381,527	\$ 6,020,862	\$ (982,381)

(1) On 2009, and 2015 Series Bonds.

(2) Net Operating Revenues divided by Maximum Annual Debt Service.

(3) Actual amount paid to the Trustee for debt service by the Utility in the calendar year indicated on 2009 and 2015 Series Bonds.

(4) Includes debt service on general obligation bonds and bond anticipation notes on OWDA Loan.

(5) Actual M/R Debt Service update will include 3rd Quarter 2009 refinanced total annual amounts not to exceed \$5,461,206 & replacing previous annual amount of \$8,156,755 on Series 2003 Bonds, Series 2006 and Series 2009 Bonds and Series 2015 Bonds.

(6) Other Debt Service excludes September 2005 payments, replaced by September 2006 payments on the Radio Communication System Improvement Bonds and the OWDA/OPWC Loan.

OTHER UTILITIES

Solid Waste Collection and Disposal System

The City provides residential garbage collection services through use of its own employees and a contract with a private firm. Solid waste collected by the City's curbside service is delivered to a Waste Management transfer station located in the City and then transferred to the American Landfill (a Waste Management facility located in nearby Stark County). In 1989, the City initiated a curbside recycling program to recover aluminum, glass, tin, and plastic, which was expanded in 1992 to all 64,000 households in the City. Newspapers, paper, and magazines were added to the recycling program in 1995. Before this time all recycles were handled as regular collection.

The City's Hardy Road Landfill was closed in June 2002. In 2004, Waste Management, the City, and the City of Cuyahoga Falls entered into an agreement to help manage waste from each city and throughout the County in an environmentally efficient manner.

Pursuant to requirements of Ohio law, the County, the City, and other political subdivisions within the County have established the Summit-Akron Solid Waste Management District that is governed by the Summit-Akron Solid Waste Management Authority.

In 2011, Hull & Associates, Inc and the City of Akron entered into an agreement to recover landfill gas from the closed Hardy Road Municipal Landfill for the production of electricity for the adjacent city-owned Water Reclamation Facility. The project produces approximately 6,000 megawatt hours of electricity annually, or about 25 percent of the wastewater plant annual electric requirements. The closed landfill produces approximately 15,000 standard cubic feet per hour of landfill gas which was previously flared to atmosphere.

FINANCIAL MATTERS

INTRODUCTION

The City's fiscal year corresponds with the calendar year. The main sources of City revenue are property taxes, income taxes, certain non-tax revenues, and State distributions as described herein.

The responsibilities for the major financial functions of the City are divided among the Mayor, the Director of Finance, and the Council. The Director of Finance is the City's fiscal and chief accounting officer. Her duties include: to keep the books and accurate statements of all money received and expended and of all taxes and special assessments; at the end of each fiscal year, or more often if requested by the Mayor, to examine all accounts of City officers and departments; and not to allow the amount set aside for any appropriation to be overdrawn, or the amount appropriated for any one item of expense to be drawn upon for any other purpose, or a voucher to be paid unless sufficient funds are in the City treasury to the credit of the fund on which the voucher is drawn. The Director of Finance is responsible for receiving, maintaining custody of, and disbursing all City funds. Other important financial functions include: general financial recommendations and planning by the Mayor; budget preparation by the Mayor with the assistance of the Director of Finance; and approval of all budgeting and appropriations by the Council.

In 2002, the electors of the County voted to eliminate the positions of County Auditor and County Treasurer and combine their duties into a single position. The duties formerly performed by the County Auditor and County Treasurer are now performed by the County Fiscal

Officer. For property taxation purposes, assessment of real property is made by the County Fiscal Officer subject to supervision by the State Tax Commissioner, and assessment of public utility and tangible personal property is made by the State Tax Commissioner. Property taxes and special assessments are billed and collected by the County Fiscal Officer.

BUDGETING, TAX LEVY AND APPROPRIATIONS PROCEDURES

Detailed provisions for City budgeting, tax levies and appropriations are made in the Revised Code and the City Charter. The procedures involve review by County officials at several steps.

City budgeting for a fiscal year formally begins with the preparation and the adoption of a tax budget for the fiscal year. For debt service, the tax budget must show the amounts required, the estimated receipts from sources other than ad valorem property taxes, the net amount for which a property tax levy must be made, and the portions of that levy to be inside and outside the Charter tax rate limitation. The tax budget then is presented for review by the County Budget Commission comprised of the County Executive, County Fiscal Officer, and County Prosecuting Attorney.

As part of that review, the County Budget Commission determines and approves levies for debt service outside and inside the Charter tax rate limitation. The Revised Code provides that “if any debt charge is omitted from the budget, the commission shall include it therein.”

After its approval of the tax budget, the County Budget Commission certifies its action to the City together with the estimate by the County Fiscal Officer of the tax rates outside and inside the Charter tax rate limitation. Thereafter, and before the end of the then calendar year, the Council approves the tax levies and certifies them to the proper County officials. The approved and certified tax rates are then reflected in the tax bills sent to property owners. Real property taxes are billed in two installments, the first usually in or before January and the second in July.

The City’s Department of Finance is responsible for appropriation preparation. Each of the City’s operating departments submits an appropriation request supported by detailed explanations of need by early October. The Department of Finance adjusts these requests in accordance with projected resources and then reviews the adjusted requests with each of the departments and the Mayor to determine final funding priorities. This process is completed by mid-November and the appropriation document is then finalized and submitted to City Council. The Council reviews the appropriation request as submitted by the Mayor and adopts a permanent appropriation. A temporary appropriation is passed by December 31 if Council decides to continue appropriation review into the new year. At the conclusion of the appropriation review, Council adopts a permanent appropriation. This appropriation provides funding for the calendar year commencing January 1 and includes both operating and capital expenditures. State law requires the adoption of the annual appropriation measure by April 1. The appropriation ordinance for calendar year 2018 was enacted by the Council on March 19, 2018. The appropriation ordinance for calendar year 2019 was enacted on March 25, 2019. Annual appropriations may not exceed the County Budget Commission’s official estimate of resources, and the County Fiscal Officer must certify that the City’s appropriation measures do not appropriate money in excess of the amounts set forth in those estimates.

The Department of Finance continues to monitor and adjust the appropriations throughout the year. At the request of an operating department, the Director of Finance may transfer funds within certain categories of expenditures, but may not change the total amount of the appropriations for each individual fund. The Department of Finance also regularly compares actual receipts to projected receipts and reduces the rate of expenditure, if such action is necessary. City

Council must authorize by ordinance any increase in appropriations. The Department reports quarterly to Council a comparison of actual and projected receipts and expenditures.

FINANCIAL REPORTS AND EXAMINATIONS OF ACCOUNTS

The City maintains its accounts, appropriations, and other fiscal records in accordance with the procedures established and prescribed by the Auditor of State (the Auditor). The Auditor is charged by law with the responsibility of inspecting and supervising the accounts and records of each taxing subdivision and most public agencies and institutions.

City receipts and expenditures are compiled on a cash basis, pursuant to accounting procedures prescribed by the Auditor, which are generally applicable to all Ohio political subdivisions. The records of these cash receipts and expenditures are converted annually for audit purposes to a modified accrual and accrual basis of accounting. These accounting procedures conform to generally accepted accounting principles as recommended by the Governmental Accounting Standards Board. Those recommendations, among other things, provide for a basic set of financial statements, which include a government-wide statement of net position and a government-wide statement of activities on a full accrual basis. In addition, the basic financial statements also include a balance sheet and statement of revenues, expenditures and changes in fund balances on a modified accrual basis of accounting for the general fund, each major special revenue, debt service (bond retirement) and capital project fund (referred to as governmental funds) and all other governmental funds; a statement of net position, a statement of revenues, expenses and changes in net position, and a statement of cash flows on a full accrual basis of accounting for all major enterprise funds, other enterprise funds and internal service funds (referred to as proprietary funds); and a statement of fiduciary net position and a statement of changes in net assets for the City's fiduciary funds on a cash basis.

The City's Audit and Budget Division within the Department of Finance is responsible for finalization of City financial statements, monitoring and improvement of internal controls for accounting, cash management and other fiscal activities, and special reviews of the City's accounting system.

Beginning with the audit of 1981 and continuing through the audit of 2003, the Auditor authorized the City to contract with an independent public accounting firm for an audit of the City's finances. The audit of the City's financial statements for each of the years 2004 through 2016 was performed by the Auditor. The City was again authorized to contract with an independent accounting firm for the audit ending December 31, 2017. The most recent Independent Auditor's Report is dated June 28, 2019 and will be available upon release by the Auditor's Office. Copies of the full 2018 Comprehensive Annual Financial Report (CAFR) can be viewed on the City of Akron website, akronohio.gov, or obtained by writing to the Director of Finance at the address set forth in the **Introductory Statement**.

The City has issued a CAFR for each of the calendar years 1983 through 2018. The City's CAFR for the years 1984 through 2017, were awarded the Certificate of Achievement for Excellence in Financial Reporting by the Government Finance Officers Association of the United States and Canada (GFOA). As explained by the GFOA, the Certificate of Achievement is the highest form of recognition for excellence in state and local government financial reporting. In order to be awarded a Certificate of Achievement, a government must publish an easily readable and efficiently organized comprehensive annual financial report. This report must satisfy both generally accepted accounting principles and applicable legal requirements. A Certificate of Achievement is valid for a period of one year only. The City has also received the GFOA Distinguished Budget Presentation Award for the years 1985 through 2018.

See **Appendix A** for a comparative summary of general fund receipts and expenditures for the last five fiscal years and budgeted for 2018. **Appendix B** sets forth receipts and expenditures for all funds for 2013 to 2017.

CASH BALANCES AND INVESTMENTS

Listed below are the year-end cash balances and investments for 2014 to 2018:

As of December 31	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>
General Fund:					
Cash	\$1,383,476	\$691,512	\$585,266	\$1,760,711	\$1,174,494
Investments	3,991,223	4,547,850	4,602,398	8,092,145	\$8,710,497
Debt Service Funds:					
Cash	1,358,305	608,475	331,009	953,848	994,616
Investments	3,918,605	4,001,741	2,602,980	2,531,243	2,431,986
Enterprise Funds:					
Cash	4,848,308	2,982,812	4,711,270	17,569,144	12,743,704
Investments	13,986,996	19,616,995	37,048,332	80,746,978	94,512,208
All other Funds:					
Cash	18,343,289	9,431,262	7,439,837	10,754,714	7,531,301
Investments	52,918,978	62,026,364	58,505,154	49,428,169	55,855,022
Total Cash and Investments	\$100,749,181	\$103,907,011	\$115,826,246	171,836,952	\$183,953,827

Investments of City funds are governed by the Uniform Depository Law (Chapter 135 of the Revised Code) applicable to all subdivisions and by the Charter and Sections 37.30 through 37.42 of the Code of Ordinances, enacted December 15, 1986 (the Investment Policy Ordinance). Section 37.38 of the Investment Policy Ordinance sets forth the City's investment objectives as follows.

“The achievement of good fiscal management for the City requires effective cash management of public money and, in turn, effective bank management practices with respect to the investment and deposit of this public money. The following investment and deposit objectives shall be applied in the management of public money:

(A) The primary objective of the City's investment activities is the preservation of capital and the protection of investment principal.

(B) The City's investments shall remain sufficiently liquid to enable the City to meet operating requirements that might reasonably be anticipated.

(C) Those responsible for investing public money shall strive to maximize the return on the investments but shall avoid assuming unreasonable investment risks.

(D) The City's investments shall be diversified to avoid the assumption of unreasonable and avoidable risks associated with specific types of securities or individual financial institutions. To the extent practicable, of the public money allocated to the general depository account, it is intended

that no more than 50% will be invested in repurchase agreements, no more than 50% will be invested with any one eligible institution, and no more than 20% will be invested with any one maturity date.

(E) Investments shall be made with the exercise of that degree of judgment and care, under circumstances then prevailing, which persons of prudence, discretion, and intelligence exercise in the management of their own affairs, not for speculation but for investment, considering the probable safety of their capital as well as the probable income to be derived.

(F) Price and rate quotations for all eligible investments may be obtained from eligible institutions within or outside of the City or the State. However, in the case of the sale or purchase of eligible investments where all other factors considered by the Investment Officer are equal, placement shall be made with the eligible institution situated within the City. The right is reserved to reject all bids or proposals or any bid if such is inconsistent with the City's investment objectives."

The Director of Finance is responsible for the City's investments. The Treasurer of the City, as the designee of the Director of Finance, is charged with the day-to-day responsibility of carrying out the investment objectives and practices of the City. Under recent and current practices, investments are made in direct obligations of the United States, obligations guaranteed by the United States (including obligations of certain federal agencies), certificates of deposit, repurchase agreements (with the underlying securities held on the City's behalf by third-party institutions or in the customer safekeeping account of the Federal Reserve account of the City's depository institutions), and certain of the City's own bonds and notes, including the bond anticipation notes issued in anticipation of the levy and collection of special assessments (see **Special Assessments and Bond Anticipation Notes**).

The City from time to time also invests in STAR Ohio (State Treasury Asset Reserve), which is an investment pool managed by the Ohio Treasurer of State. STAR Ohio is similar in concept to a registered investment company issuing redeemable securities, commonly called a "money market mutual fund." A treasurer, governing board or investment authority of a subdivision may deposit public money of the subdivision with the Treasurer of State. Subdivision is defined in Section 135.01(L) of the Ohio Revised Code as any county, municipal corporation, school district, township, municipal or school district sinking fund, special taxing or assessment district, and other district or local authority electing or appointing a treasurer. The Treasurer of State will invest the public money deposited in STAR Ohio in the same types of instruments as are provided for the investment of interim money of the State. STAR Ohio seeks to obtain as high a level of current income as is consistent with prudent investment management, the preservation of capital, and maintenance of liquidity. STAR Ohio has been awarded Standard & Poor's highest rating, AAAm. STAR Ohio is the only money market mutual fund in which the City may invest. In recent years, STAR Ohio expanded to include STAR Plus. This fund provides access to hundreds of FDIC insured banks via one account, offering participants full FDIC insurance up to \$ 50 million per account. The State's Treasurer's office has endorsed this program as a secure investment option for public funds managers.

The City does not invest in any securities that would be characterized as derivatives or in reverse repurchase agreements and purchases all investments with the intent to hold to maturity. The average days to maturity for the entire portfolio is 444 days. The average yield to maturity at cost for bonds/notes is 2.4%. The following table presents a summary of the City's investment portfolio as of December 31, 2018.

	<u>Investments</u>	<u>% of Portfolio</u>
Money Market Savings	2,387,907	1.50%
City bonds and notes(a)	33,147,331	20.84%
Star Ohio	59,097,751	37.14%
Federal Agency Bonds	24,287,241	15.27%
Federal Treasury Note	34,734,795	21.84%
Certificate of Deposit	5,423,183	3.41%
Total(b)	\$159,078,208	100.00%

(a) See **Bond Anticipation Notes**,

(b) Does not include cash (\$31,038,417); see prior table.

FINANCIAL OUTLOOK

The City, as with most cities across the country, continues to be impacted by global economic conditions. The City's income tax collections decreased by 2.23% in 2017 (compared to 2016). In 2018, income tax collections increased by 12.4% (compared to 2017). The increase is largely due to the collection of an addition ¼% passed by voters the previous year. Collections for 2019 are budgeted to increase by approximately 2%. Global economic conditions have impacted other sources of City revenue. Property tax revenues declined due to the housing market conditions, but have stabilized. The Total Assessed Value declined by 17.24% from 2010-2016 although the majority of the decline took place in 2012 when the valuation dropped by 11.4%. However, in 2017 there was an increase of 2.37%, a marginal increase in 2018 and there is another projected marginal increase for 2019. General Fund revenues are expected to increase to approximately \$167,929,640 in 2019 from \$165,750,408 in 2018.

The State of Ohio, in response to these same economic and budgetary constraints, has implemented changes to the State budget directly affecting funding to the City of Akron. The State budget has reduced Local Government Funding (LGF), which directly impacts the City's General Fund. In 2011, the LGF collections were \$ 12,378,170. However, this amount was reduced by 25% and then to 50% over the state's biennial budget in 2012. The City continues to see the effects of the reduction. In 2014, LGF revenues had dropped to \$6,500,389, which is only slightly more than half of the LGF revenues received in 2011. LGF revenues have fluctuated every year since then with \$ 6,429,000 in revenues in 2018.

As a result of the consolidation of City services into regional offices, including the new combined Information Technology departments with Summit County, combined with other attrition and previous years' pro-active measures, employment has declined from 2009 to 2016 by over 400 positions or 17.6%. The City's full-time employee count reached its lowest point in 2013, where the number of employees totaled 1,725. Since that time, the City has increased staffing slightly to its current level (as of 12/31/2018) of 1,789 full-time employees. The City received several grants for the Police and Fire departments which allowed the City to increase the ranks of police and firefighters. The City will continue to review and implement cost savings wherever possible.

In 2018, the City experienced stability in overall expenditures compared to 2017 with an increase of 1.49%. Recent increases were largely associated with the Combined Sewer Overflow (CSO) project in the Sewer Fund. For 2019, the City anticipates a slight increase in expenditures to what occurred in 2018. The General Fund balance is expected to remain stable for 2019.

On September 30, 2011, the Ohio State Auditor declared the City to be in fiscal caution. The declaration and the State Auditor's guidelines for fiscal caution may be viewed on the State Auditor's website at <http://www.auditor.state.oh.us>. In accordance with Section 118.025, Revised Code, the City developed a written proposal for corrective actions to address the fiscal practices and conditions that led to the declaration. The City delivered that proposal by the end of November 2011, within the 60-day period required by the law. The State asked for additional information and they received the supplemental information in January 2012. The City implemented all corrective actions necessary to discontinue and correct those fiscal practices and conditions, in order to be released from the declaration. On March 5, 2015, the State Auditor released the City from fiscal caution. The release may be viewed on the State Auditor's website at <https://ohioauditor.gov>.

AD VALOREM PROPERTY TAXES AND SPECIAL ASSESSMENTS

ASSESSED VALUATION

The following table shows the recent assessed valuations of property subject to ad valorem taxes levied by the City, and the estimated total actual valuations (in thousands).

Tax Collection Year	Real(a)	<u>Assessed Valuation (000)</u>		<u>Total</u>	<u>Estimated Total Actual Valuation (000)</u>
		<u>Tangible Personal(b)(c)</u>	<u>Public Utility(c)(d)</u>		
2010	2,911,817	7,025	86,082(e)	3,004,924	8,445,399
2011	2,928,343	0	88,008(e)	3,016,351	8,466,705
2012	2,580,090	0	92,022(e)	2,672,112	7,476,256
2013.....	2,550,583	0	111,892(e)	2,662,476	7,414,532
2014.....	2,493,126	0	126,778(e)	2,619,904	7,485,440
2015.....	2,437,486	0	145,400(e)	2,582,886	7,379,675
2016.....	2,409,852	0	165,213(e)	2,575,065	7,073,034
2017.....	2,427,755	0	208,226(e)	2,635,981	7,173,063
2018.....	2,473,755	0	222,043(e)	2,695,797	7,320,191
2019.....	2,498,129	0	210,667(e)	2,708,796	7,376,904

- (a) Other than real property of railroads. The real property of public utilities, other than railroads, is assessed by the County Fiscal Officer. Real property of railroads is assessed, together with tangible personal property of all public utilities, by the State Tax Commissioner.
- (b) Other than public utility.
- (c) The State (i) has reduced the valuation of tangible personal property of general businesses and railroads in increments beginning in 2006 to zero in 2009 and (ii) is reducing the valuation of tangible personal property of telephone and telecommunications companies in increments beginning in 2007 to zero in 2011; see the discussion of those reductions and related State makeup payments below.
- (d) Tangible personal property of all public utilities and real property of railroads; see footnotes (a) and (c).
- (e) Reflects effect of State legislation that, beginning with collection year 2002, reduced the assessed valuation of electric utility production equipment from 100% to 25% of true value and of natural gas utility property from 88% to 25% of true value.

Source: County Fiscal Officer.

Taxes collected on "Real" in a calendar year are levied in the preceding calendar year on assessed values as of January 1 of that preceding year. Taxes collected on "Tangible Personal" in a calendar year were levied in the same calendar year on assessed values during and at the close of the taxpayer's most recent fiscal year that ended on or before December 31 of the preceding calendar year, and at the tax rates determined in the preceding year. "Public Utility" (real

and tangible personal) taxes collected in a calendar year are levied in the preceding calendar year on assessed values determined as of December 31 of the second year preceding the tax collection year.

Based on County Fiscal Officer records of assessed valuations for the 2018 tax collection year, the ten largest City ad valorem property tax payers are set forth in the following table.

<u>Name of Taxpayer</u>	<u>Nature of Business</u>	<u>Total Assessed Valuation</u> (000)	<u>% of Total Assessed</u>
American Transmissions	Utility	118,194	4.38
Ohio Edison	Utility	92,125	3.42
East Ohio Gas	Utility	17,827	.66
Albrecht Incorporated	Dev/Grocery	15,459	.57
DFG Chapel Hill LLC	Builder/Dev	13,352	.50
Chapel Hill Mall Realty Holding	Developer	12,739	.47
Concord Tests Hotel Associates	Developer	7,916	.29
Summa Health Systems	Health	7,759	.29
Hampton Knoll LLC	Builder/Dev	7,078	.26
Akron Management Corp	Builder/Dev.	6,597	.24

Pursuant to statutory requirements for sexennial/triennial reappraisals, in 2014 the County Fiscal Officer adjusted the true value of taxable real property to reflect then current fair market values. These adjustments will first be reflected in the 2014 tax list (collection year 2015) and in the ad valorem taxes distributed to the City in 2015 and thereafter. The County Fiscal Officer is required to, and has, adjusted taxable real property value triennially to reflect true values. The last Triennial was completed in 2017 and will next be completed in 2023. This is done without the individual appraisal of properties except when done as part of the sexennial reappraisal. The next sexennial appraisal will occur in 2020.

The assessed valuation of real property is fixed at 35% of true value and is determined pursuant to rules of the State Tax Commissioner. An exception is that real property devoted exclusively to agricultural use is to be assessed at not more than 35% of its current agricultural use value. Real property devoted exclusively to forestry or timber growing is taxed at 50% of the local tax rate upon its assessed value.

The taxation of all tangible personal property used in general businesses (excluding certain public utility tangible personal property) has been phased out over four years, from tax year 2006 to tax year 2009. Previously, machinery and equipment and furniture and fixtures were generally taxed at 25% of true value, and inventory was taxed at 23%. The taxation of all tangible personal property used by telephone, telegraph or inter-exchange telecommunications companies ("telecommunications property") is also being phased out over tax years 2007 to 2011. Previously, telecommunications property was taxed at 25% or 46% of true value (depending on the type of equipment and when it was placed into service). The percentages of true value of such property taxed have been, and are being, reduced to those set forth in the following table:

Tax Year	General Business Property	Telecommunications Property
2006	18.75%	(a)
2007	12.50	20.00%
2008	6.25	15.00
2009	0.00	10.00
2010	0.00	5.00
2011	0.00	0.00

(a) 25% or 46%; see discussion above.

Certain tangible personal property not previously used in business in Ohio is not subject to tangible personal property taxation.

Initially, to compensate for decreased revenue as the tangible personal property tax is phased out, the State in 2006 commenced making distributions to taxing subdivisions (such as the City) from revenue generated by a newly enacted commercial activity tax (the “CAT”). The CAT is levied annually on all persons or entities doing business in the State with taxable gross receipts from their business activities greater than \$150,000. Generally, these distributions are expected to fully compensate taxing subdivisions for such tax revenue losses from the phase-out of tangible personal property tax on general business tangible personal property through 2010, with gradual reductions in the reimbursement amount from 2011 through 2017, and for such tax revenue losses from the phase-out of tangible personal property tax on telecommunications property through 2011, with gradual reductions in the reimbursement amount from 2012 through 2018. Reimbursements for tax losses relating to levies for voted debt service (currently, not applicable to the City) are generally to continue at 100% until the debt is retired, subject to a ½-mill threshold adjustment (for all fixed-sum levies). That adjustment basically requires real property taxpayers to absorb up to ½ mill of increased property taxes (in order to continue to generate a fixed dollar amount) due to the phase-out of tangible personal property taxes. The State is to provide any necessary reimbursement above that amount. However, in 2010 the State reduced the timeline and amount of reimbursement for several items to local jurisdictions: CAT tax reimbursement, Tangible/Utility personal property, eliminating them almost altogether by 2013.

Public utility tangible personal property (with some exceptions) is currently assessed (depending on the type of property) from 25% to 88% of true value. Effective for collection year 2002, the assessed valuation of electric utility production equipment was reduced from 100% and natural gas utility property from 88% of true value, both to 25% of true value; makeup payments in varying and declining amounts are to be made through 2016 to taxing subdivisions such as the City by the State from State resources.

Commencing in tax year 2006, the assessment rate for electric utility transmission and distribution equipment was reduced from 88% to 85%, and the assessment rate for all electric company taxable property was reduced from 25% to 24%, commencing in tax year 2006. Taxation of all personal property used by telephone companies, telegraph companies or interchange telecommunications companies is also being phased out by tax year 2011, with State reimbursement payments to be made in declining amounts through 2018.

The first \$10,000 of taxable value of tangible personal property has historically been exempted from taxation; reimbursement of resulting reduced local collections has been made in the past from State sources. This reimbursement is being phased out such that no reimbursement payments are to be made after the State’s fiscal year, June 30, 2009.

The General Assembly has from time to time exercised its power to revise the laws applicable to the determination of assessed valuation of taxable property and the amount of receipts

to be produced by ad valorem taxes levied on that property, and may continue to make similar revisions.

Ohio law grants tax credits to offset increases in taxes resulting from increases in the true value of real property. Legislation classifies real property as between residential and agricultural property and all other real property, and provides for tax reduction factors to be separately computed for and applied to each class. These tax credits apply only to certain voted levies on real property, and do not apply to un-voted tax levies, or to voted levies to provide a specified dollar amount or to pay debt charges on general obligation debt. These credits are discussed further following **Tax Table A** under **Tax Rates**.

OVERLAPPING GOVERNMENTAL ENTITIES

The major political subdivisions or other governmental entities that overlap all or a portion of the territory of the City are listed below. The “(%)” figure is that percentage of the assessed valuation of the entity that is located within the City.

1. The County (functions allocated to counties by Ohio law, such as elections, health and human services and a portion of the judicial system). (21.76%)
2. A portion (99.72%) of the Akron City School District, which includes 91.10% of the territory within the City (K-12 educational responsibilities). Portions of other school districts are also included in the City as follows: the Copley-Fairlawn City School District (13.15%), which includes 0.89% of the territory within the City, and the Revere Local School District (3.20%), the Springfield Local School District (7.6%), Woodridge Local School District (30.30%) and the Coventry Local School District (8.86%), which together include 7.98% of the territory within the City.
3. METRO Regional Transit Authority (public mass transit). (21.76%)
4. Akron Metropolitan Park District (park and recreation areas). (22.92%)
5. Cuyahoga Valley Joint Vocational School District (.53%) and Portage Lakes Joint Vocational School District (3.35%) (vocational education programs).
6. Akron-Bath-Copley Joint Hospital District. (71.56%)
7. Akron-Summit County Library District (public library facilities). (32.61%)
8. Muskingum Watershed Conservancy District. (6.23%)

Each of these entities operates independently, with its own separate budget, taxing power and sources of revenue. Only those entities listed as 1 through 4 above may levy ad valorem property taxes within the ten-mill limitation described under **Indirect Debt and Unvoted Property Tax Limitations**.

TAX RATES

All references to tax rates under this caption are in terms of stated rates in mills per \$1.00 of assessed valuation.

The Charter provides that the maximum total tax rate that may be levied without a vote of the electors for all purposes is 10.5-mills. See **Indirect Debt and Unvoted Property Tax Limitations**.

The following are the rates for recent years at which the City and the overlapping taxing subdivisions (within the Akron City School District) levied ad valorem property taxes.

Tax Table A: Overlapping Tax Rates

<u>Collection Year</u>	<u>City</u>	<u>Akron City School District</u>	<u>County</u>	<u>Akron Metropolitan Park District</u>	<u>Total</u>
2010.....	10.30	71.66	14.80	1.46	98.22
2011.....	10.30	71.66	14.80	1.46	98.22
2012.....	10.30	71.66	14.80	1.46	98.22
2013.....	10.30	79.56	14.84	1.46	106.16
2014.....	10.30	79.56	14.81	1.46	106.13
2015.....	10.30	79.56	14.80	1.46	106.12
2016.....	10.30	79.56	15.32	1.46	106.64
2017.....	10.50	79.56	15.30	1.46	106.82
2018.....	10.50	79.56	15.26	1.46	106.78
2019.....	10.50	79.56	15.26	1.46	106.78

Source: County Fiscal Officer.

Statutory procedures limit, by the application of tax credits, the amount realized by each taxing subdivision from real property taxation to the amount realized from those taxes in the preceding year plus both:

- the proceeds of any new taxes (other than renewals) approved by the electors, calculated to produce an amount equal to the amount that would have been realized if those taxes had been levied in the preceding year, and
- amount(s) realized from new and existing taxes on the assessed valuation of real property added to the tax duplicate since the preceding year.

As noted above, all of the City's property tax levies, as Charter tax rates and taxes for debt service charges, are exempt from these tax credit provisions. The tax credit provisions do not apply to amounts realized from taxes levied at a rate required to produce a specified amount, such as for debt service charges, or from taxes levied inside the ten-mill limitation or any applicable charter tax rate limitation. To calculate the limited amount to be realized, a reduction factor is applied to the stated rates of the tax levies subject to these tax credits. A resulting "effective tax rate" reflects the aggregate of those reductions, and is the rate based on which real property taxes are in fact collected. As an example, the total overlapping tax rate for the 2018 tax collection year of 106.78 mills within the City (in the portion overlapping the Akron City School District) is reduced by reduction factors of 0.256227 for residential/agricultural property and 0.140586 for all other

property, which results in “effective tax rates” of 79.420097 mills for residential and agricultural property and 91.68200 mills for all other property. See **Tax Table A**.

Real property tax amounts are generally further reduced by an additional 12.5% in the case of owner-occupied residential property. The State biennial budget bill eliminated the 10% “rollback” for certain commercial and industrial real property (while it remains for all other real property), effective for the 2005 tax year and thereafter. See **Collections** for a discussion of reimbursement by the State for this reduction.

The following are the rates at which the City levied property taxes for the general categories of purposes in recent years both outside and inside the Charter tax rate limitation:

Tax Table B: City Tax Rates

Collection Year	<u>Inside 10.5-mill Charter Rate Limitation:</u>				<u>Voted(a):</u>	Total Tax Rate
	<u>Operating</u>	<u>Police Pension</u>	<u>Fire Pension</u>	<u>Debt Retirement</u>	<u>Debt Retirement</u>	
2010.....	9.28	.30	.30	.42	--	10.30
2011.....	9.28	.30	.30	.42	--	10.30
2012.....	9.28	.30	.30	.42	--	10.30
2013.....	9.28	.30	.30	.42	--	10.30
2014.....	9.28	.30	.30	.42	--	10.30
2015.....	9.28	.30	.30	.42	--	10.30
2016.....	9.28	.30	.30	.42	--	10.30
2017.....	9.28	.30	.30	.62	--	10.50
2018.....	9.28	.30	.30	.62	--	10.50
2019.....	9.28	.30	.30	.62	--	10.50

(a) The voted levies for “Debt Retirement” continue for the life of the bonds authorized by the electors, in annual amounts sufficient to pay debt service on those bonds as it becomes due.

Source: County Fiscal Officer.

See the discussion of the Charter tax rate limitation, and the priority of claim on that millage for debt service on un-voted general obligation debt, under **Indirect Debt and Unvoted Property Tax Limitations**.

COLLECTIONS

The following are the amounts billed and the percent collected for City ad valorem property taxes for recent tax collection years. “Billed” includes current charges, plus current and delinquent additions and also current and current delinquent abatements. “% Collected” includes collections of current “Billed” and current delinquent additions.

Collection Year	Current Billed	City Current Collected (a)	County Collected(b)	% City Collected	% County Collected	Delinquent	
						Current	Accumulated(c)
Real and Public Utility							
2009	30,939,477	30,099,260	28,422,839	97.3	91.87	2,516,639	4,603,844
2010	30,874,452	30,084,952	28,383,628	97.4	91.93	2,490,824	5,508,050
2011	31,064,531	29,726,017	27,798,721	95.7	89.49	3,265,810	7,278,527
2012	27,518,858	26,316,201	24,477,858	95.6	88.95	3,041,000	6,736,036
2013	27,419,595	27,002,737	25,174,172	98.5	91.81	2,245,424	5,896,432
2014	26,984,750	26,719,680	25,022,030	99.0	92.73	1,962,721	5,718,165
2015	26,604,375	26,315,578	24,737,683	98.9	92.98	1,866,692	5,986,925
2016	26,523,326	26,470,741	24,987,814	94.2	99.80	1,535,512	5,924,857
2017	27,619,239	28,982,301	25,985,068	104	94.08	1,634,171	6,291,579
2018	28,305,710	28,005,409	26,421,069	98.94	93.34	1,884,681	7,619,011

Collection Year	Current Billed	City Current Collected (a)	County Collected(b)	% City Collected	% County Collected	Delinquent	
						Current	Accumulated (c)
Tangible Personal Property							
2009	144,732	262,668	142,855	181.5 (d)	97.80	1,87	92,080
2010	79,284	90,642	79,283	114	100.00	2	131,443
2011	0	9,364	0	0	0	0	80,014
2012	0	0	0	0	0	0	52,688
2013	0	0	0	0	0	0	48,618
2014	0	0	0	0	0	0	46,663
2015	0	0	0	0	0	0	42,806
2016	0	0	0	0	0	0	23,228
2017	0	0	0	0	0	0	21,928
2018	0	0	0	0	0	0	0

(a) Actual Current City receipts.

(b) Total County Current Collected.

(c) The County's calculation: delinquent billed minus previous years annual collection plus the current delinquent.

(d) As the amount billed is significantly reduced and the amount of delinquencies collected remained relatively stable, the percentage collected increased dramatically.

Source: County Fiscal Officer.

Current and delinquent taxes are billed and collected by the County Fiscal Officer for all taxing subdivisions in the County.

Included in the "Billed" and "% Collected" figures above are payments from State revenue sources under two statewide real property tax relief programs (these relief programs do not apply to special assessments). Homestead exemptions are available for persons over 65 and the disabled. Payments to taxing subdivisions have been made in amounts equal to approximately 10% (12-1/2% with respect to owner-occupied residential property) of all ad valorem real property taxes levied, thereby reducing the tax obligations of real property owners in any given year by the applicable 10% or 12-1/2%. This State assistance reflected in the City's tax collections for 2017

was \$1,008,675 for the elderly/disabled homestead payment and \$2,136,528 for the rollback payment.

Real Property taxes are payable in two installments, the first usually in January and the second in July. Tangible personal property taxes for taxpayers owning property in more than one county are payable in September, and for taxpayers owning property in one county are payable in two installments (usually in April and September).

SPECIAL ASSESSMENTS

The City conducts an ongoing residential street improvement program, which includes paving, resurfacing, draining, planting shade trees and constructing curbs, sidewalks, storm sewers and sanitary sewers. The City pays approximately 67% of the cost of these improvements; the remaining portion is paid from special assessments levied against the property benefiting from those improvements.

Typically, owners of such property commence a street improvement project by filing a petition with City Council requesting the improvement. If accepted, the project becomes part of the City's five-year capital plan. At the commencement of construction, bond anticipation notes are issued to pay the property owners' portion of the project cost. These notes are purchased and held by the City's Treasury Investment Account as investments until the project is completed, usually within approximately two years. Following completion of the work and determination of final costs, the special assessments are levied by Council against the benefiting property. Special assessments not paid within 30 days are certified to the County Fiscal Officer for collection over a period of time (10 years for almost all projects). Bonds are issued in anticipation of the collection of the special assessments to refund (together with any cash payments of special assessments) those notes. The special assessments certified for collection bear the same interest as the bonds. Under State law, those bonds are to be paid from the anticipated special assessments, but they are also general obligations of the City, payable from ad valorem property taxes to the extent not paid from those special assessments (see **City Debt and Other Long-Term Obligations – Statutory Direct Debt Limitations, Indirect Debt and Unvoted Property Tax Limitations and Debt Tables A and B**). The City has never been required to levy an ad valorem property tax for debt service on bonds issued in anticipation of the collection of special assessments because special assessments have been collected as required and sufficient balances have been available in the Bond Payment Fund to cover any temporary shortfall.

The City conducts annual programs for the provision of street lighting and street cleaning services (including sprinkling, sweeping and removing snow and leaves) for its streets, alleys and other public ways. A portion of the cost of these programs is paid by the City from general funds; the remaining portion is financed by the levy each year of special assessments upon the benefited properties. Notes may be issued in anticipation of those special assessments to fund these programs. If issued, these notes have a maturity of one year or less and are payable solely from those special assessments. The notes are not general obligations of the City. By statute, no property tax may be pledged or used for their payment.

Real property taxes levied on any property against which special assessments have been levied cannot be paid unless those special assessments are also paid. During the five most recent years, the collections of the current amount of special assessments levied and of delinquencies have averaged 75.55% of the amount levied. The following are the amounts billed and percent collected for City special assessments for the indicated years (special assessments are collected in conjunction with ad valorem taxes). "Billed" are the amounts of current special assessments certified by the City to the County Fiscal Officer to be collected. "% Collected" includes the amounts of special assessments received by the City and collections of current "Billed" amounts and delinquencies.

Collection Year	Billed	City Current Collected (a)	County Collected (b)	% City Collected	% County Collected	Current Delinquent	Accumulated Delinquent
<i>Special Assessments</i>							
2009	15,023,300	13,462,398	16,059,778	89.6	106.9	3,775,491	3,775,491
2010	15,421,700	13,297,398	12,642,461	86.2	82.0	4,602,272	4,602,272
2011	16,431,680	14,422,201	13,077,748	87.8	79.6	3,353,932	4,162,729
2012	15,648,186	13,981,452	12,506,889	89.3	79.9	3,141,297	4,932,541
2013	23,333,183	16,488,089	15,648,740	70.7	67.1	7,684,383	(c) 22,693,610
2014	23,550,345	18,683,781	17,238,367	79.3	73.2	6,311,979	25,230,633
2015	26,239,838	17,570,929	18,146,904	67.0	69.2	8,092,934	29,831,164
2016	23,837,660	17,596,839	18,117,403	73.82	76.00	5,720,256	38,446,007
2017	23,000,054	17,326,247	17,835,485	75.33	77.55	5,164,569	45,758,268
2018	20,874,758	17,185,588	17,674,431	82.32	84.67	3,200,327	49,328,260

(a) This collection includes monies received from the county's sale of delinquent tax liens and is the actual current city receipts.

(b) Total County Current Collected.

(c) In 2013, Summit County changed the manner in which they calculate and provide this information.

Source: Summit County Fiscal Office

DELINQUENCIES

The following table sets forth the number of delinquent parcels in the City and the number of parcels against which foreclosures were commenced.

<u>Collection Year</u>	<u>Total Nonexempt Parcels</u>	<u>Total Delinquent (a)</u>	<u>Foreclosures Commenced Against</u>
2009.....	96,479	12,241	211
2010.....	96,012	12,738	161
2011.....	95,642	13,318	96
2012.....	95,642	13,318	96
2013.....	94,583	8,451	74
2014.....	93,428	12,186	52
2015.....	91,441	12,024	32
2016.....	91,406	12,025	13
2017.....	90,675	8,580	43
2018.....	90,080	9,376	566(b)

(a) Certified delinquent to the County Prosecutor for the then current year only. Parcels must be delinquent two years prior to certification.

(b) In 2018 the Prosecutor's Office increased the number of foreclosures they process monthly, and the Land Bank properties are now being handled by the Prosecutor's Office and are included

Source: County Fiscal Officer.

There is no one taxpayer that accounts for more than 5% of any of the delinquencies of ad valorem real property taxes or special assessments identified above.

The following is a general description of delinquency procedures under Ohio law, the implementation of which may vary in practice among the counties, but written as practiced by the County. Real estate taxes and special assessments not paid in the due year are to be certified by the county fiscal office as delinquent. A list of delinquent properties then is published. If the delinquent taxes and special assessments are not paid within one year after certification, the properties are then to be certified as delinquent to the county prosecuting attorney. The property owner may arrange a payment plan with the county fiscal officer providing for payments over a period not to exceed five years. If payments are made when due under the plan, no further interest will be assessed against delinquent balances covered by the plan; a default in any payment under the plan or in the payment of current taxes will invalidate the taxpayer's participation in the plan. If a payment plan is not adhered to or if none is arranged, foreclosure proceedings may be initiated by the county fiscal office employees. They employ a notification procedure and judicial proceedings to collect delinquent tangible personal property taxes. Proceeds from delinquent property foreclosure sales become part of and are distributed as current collections to the taxing subdivisions.

A program authorized by State legislation permits certain of the larger counties to "sell" the right to collect delinquent real estate taxes. That program was implemented by the County in each of the years 1999 through 2018. The County expects to use the program in 2019.

MUNICIPAL INCOME TAX

In 1962, City electors approved a Charter provision authorizing the Council to levy a 1% income tax for a six-year period. The tax was renewed on a continuing basis in 1968 with the passage of another Charter provision. In 1969, the electors authorized an increase in the rate of income tax to 1.3% in 1970, 1.4% in 1971, and 1.5% in 1972 and thereafter. In 1981, the electors authorized subsequent increases in the rate of income tax to 1.8% effective March 1, 1981, and 2% effective January 1, 1982, and thereafter. The voters of the City approved each of these income tax issues submitted to them. At the May 2003 election, the voters approved a 0.25% increase in the income tax rate to fund, in cooperation with the School District, Community Learning Centers. The increase in the tax rate became effective on January 1, 2004. The voters approved a 30 year levy. In the November 2017 general election, voters approved a .25% increase of the income tax to be allocated in the City budget as 1/3% for police safety forces, 1/3 for fire safety forces and 1/3 for street improvement(s). This increase was effective as of January 1, 2018. The City, pursuant to Council action and that voter authorization, currently levies the income tax at the rate of 2.50% on both business income and individuals' wages and salaries.

The income tax is collected and administered by the City.

The following table sets forth the annual income tax revenues for the last ten years and budgeted for 2019.

<u>Year</u>	<u>2% Income Tax Amount</u>	<u>.25% CLC Income Tax Amount</u>	<u>Total</u>
2009.....	108,803,515	12,164,205(a)	120,967,720
2010.....	107,180,499	12,940,652	120,121,151
2011.....	115,015,815	11,545,777	126,561,592
2012	116,295,017	16,144,392	132,439,409
2013.....	124,560,193	14,970,130	139,530,323
2014.....	124,663,781	15,084,147	139,747,928
2015	126,265,136	15,238,983	141,504,119
2016	131,388,865	15,613,060	147,001,926
2017.....	128,423,801	15,297,223	143,721,024
2018	145,700,288	15,844,001	161,544,289
2019 (est).....	148,614,294	16,160,881	164,775,175

(a) 2009 CLC Income Tax revenues were adjusted down to correct overstatements in prior years.

The recent fluctuations in income tax revenues are partially due to varying returns from the larger employers in the City.

Pursuant to a 1991 Charter amendment and applicable only to the 2% portion of the City's income tax rate, income tax proceeds are allocated 27% for capital expenditures and 73% for the General Fund. This income tax authorization is a major component of the City's Capital Investment Program.

Residents are currently permitted, as a credit against their City income tax liability, up to a maximum of 2.50%, paid as municipal income tax on the same income in another municipal corporation. Based on employer payments of corporate and salary withholding income taxes, there is one employer that contributed 5% or more of that collection. Certain types of the income subject to the municipal income tax is also subject to State income tax.

OTHER GENERAL FUND REVENUE SOURCES

Other sources of revenue to the General Fund, in addition to ad valorem property taxes and the municipal income tax, include certain non-tax revenues and State local government assistance distributions. See **Appendix A-1** for further information regarding other revenue sources for the General Fund.

NONTAX REVENUES

The City's General Fund receives significant revenues from non-tax sources, such as licenses and permits, fines and interest earnings. (See also **Nontax Revenue Bonds**.) The Nontax Revenues include: (a) grants from the United States of America and the State of Ohio; (b) payments in lieu of taxes authorized by State statute; (c) fines and forfeitures that are deposited in the General Fund; (d) fees deposited in the General Fund from properly imposed licenses and permits; (e) investment earnings on the General Fund that are credited or transferred to the General Fund; (f) investment earnings of other funds of the City that are credited or transferred to the General

Fund; (g) proceeds from the sale of assets that are deposited in the General Fund; (h) rental income that is deposited in the General Fund; (i) gifts and donations; and (j) charges for services and payments received in reimbursement for services; provided that Nontax Revenues do not include any funds in the City's Knight Estate Fund.

Historical Collections of Nontax Revenues

The following table summarizes historical collections for the past ten years of the revenues identified by the City from its General Fund as Nontax Revenues. No assurance can be given that the full amount of such collections will be available to pay debt service on the Nontax Revenue Bonds (see **Nontax Revenue Bonds**). Moreover, no assurance can be given that the collection of such Nontax Revenues will remain at the levels historically collected by the City.

Historical Collections - General Fund Nontax Revenues

Year	<u>Licenses & Permits</u>	<u>Charges for Services</u>	<u>Fines & Forfeitures</u>	<u>Interest Earnings(a)</u>	<u>Expenditure Recoveries</u>	<u>Other</u>	<u>Total</u>
2009	912,936(b)	16,134,723	3,562,705	44,484	3,552,927	360,865	24,568,640
2010	823,815	16,356,358	3,593,364	21,632	3,577,182	430,663	24,803,014
2011	327,737	16,700,483	3,390,685	75,932	3,667,007	644,313	24,806,157
2012	370,292	17,117,884	3,239,029	39,172	4,459,129	526,146	25,751,652
2013	359,512	17,914,758	3,259,025	31,001	4,562,730	1,563,126	27,690,152
2014	295,000	18,838,296	3,393,991	15,802	5,015,089	2,009,271	29,567,449
2015	822,975	18,492,149	3,470,267	13,355	8,508,747	900,688	32,208,180
2016	312,486	18,566,082	3,384,203	14,979	8,034,980	595,289	30,908,018
2017	385,867	30,071,355	3,275,626	1,132,237	10,008,366	1,703,183	46,576,635
2018	335,030	19,264,893	3,207,799	2,241,796	9,186,969	2,270,428	36,506,915
Avg%	(c) 1.26%	59.71%	9.8%	1.74%	23.20%	4.28%	

(a) Amount transferred from the City's Investment Earnings Fund.

(b) Contracting-out of the majority of the City of Akron Building Department to Summit County caused reduction in license and permit revenues.

(c) Approximate percentage of the total General Fund Nontax Revenues averaged over the years 2014 through 2019 for each category.

Licenses and Permits. Revenue in this category is derived from the issuance of various activity permits such as Right-of-Way and a variety of inspection permits/fees. Revenue is also generated from the issuance of operating licenses, including licenses for ambulances, burglar alarms, carnivals, gasoline pumps, taxis, and solid waste haulers. In total, the City issues over 60 different types of licenses or permits. Fees vary with the type of license or permit and are set by City ordinance.

Charges for Services. This category of revenue includes a variety of fees and charges collected by the City for the provision of services. The major services provided are solid waste and recyclable collection as well as Franchise Fees.

Fines and Forfeitures. These revenues are derived from City fines, parking violations, court costs, highway patrol, and civil filing fees.

Interest Earnings. The City Treasurer invests City funds pursuant to the Ohio Revised Code and the City's Investment Policy. See **Financial Matters – Cash Balances and**

Investments. The City uses the Investment Earnings Fund to record all investment earnings and then distributes the earnings almost entirely to the General Fund. The Knight Estate Fund, the Akron Development Corp, Incubator Fund and certain federal grant funds are required to receive their share of investment earnings.

Expenditure Recoveries. Revenue in this category is derived from reimbursements to the General Fund for costs and expenses it has incurred on behalf of other funds. These other funds include the Engineering, Fire Pension, Police Pension, Golf Course, Management Information Systems, Off-Street Parking, Sewer and Water Funds.

Other. This category includes a wide variety of types of revenue collected by City divisions. Due to the nature of these revenues, which frequently includes one time receipt of revenues, the total may fluctuate from year to year. Included in these totals are loan payments, refunds, rental payments from leased land, gifts, donations, and proceeds from the sale of personal property by the City's Police Department.

LOCAL GOVERNMENT ASSISTANCE FUNDS

Statutory State-level local government assistance funds are comprised of designated State revenues. Most are distributed to each county and then allocated on a formula basis or, in some cases (as in the County) on an agreement basis, among the county and cities, villages and townships, and in some cases park districts, in the county. City receipts from those funds for the past 10 years are:

2009.....	12,349,228
2010.....	12,515,342
2011.....	12,378,170
2012.....	8,668,934
2013.....	6,640,387
2014.....	6,500,389
2015.....	6,857,604
2016.....	6,374,150
2017.....	6,245,599
2018.....	6,429,000

The amounts of and formula for distribution of these funds have been, and based on the State's approved budget, will be reduced significantly in the future.

The State also distributes significant portions of the State estate tax to decedents' communities of residence. Due to the very nature of this tax, the annual amounts received can vary significantly. The City received \$4,855,475 , \$655,450.50 and \$427,551.33 from this source in 2013, 2014, and 2015. The City credits these distributions to its General Fund. The collection of this tax has been eliminated by the State of Ohio and this source of funding has been eliminated from future City collection projections beginning in 2014. Small amounts may be received in future year's based on previous year's delinquencies and late filings. For example \$ 28,113 was received in 2017.

CITY DEBT AND OTHER LONG-TERM OBLIGATIONS

The following describes the security for general obligation debt, applicable debt and ad valorem property tax limitations, outstanding and projected bond and note indebtedness and certain other long-term financial obligations of the City. Certain overlapping subdivisions may issue voted and un-voted general obligation debt. As used in the discussions that follow, BANs refers to notes issued in anticipation of the issuance of general obligation bonds.

SECURITY FOR GENERAL OBLIGATION DEBT

The following describes security for City general obligation debt.

Bonds and Bond Anticipation Notes

Unvoted Bonds. The basic security for un-voted City general obligation debt is the City's ability to levy, and its levy pursuant to constitutional and statutory requirements of, an ad valorem tax on all real and tangible personal property subject to ad valorem taxation by the City, within the Charter tax rate limitation described below. This tax must be in sufficient amount to pay (to the extent not paid from other sources) as it comes due the debt service on un-voted City general obligation bonds, both outstanding and in anticipation of which BANs are outstanding. The law provides that the levy necessary for debt service has priority over any levy for current expenses within that tax limitation; that priority may be subject to the provisions of bankruptcy laws and other laws affecting creditors' rights and to the exercise of judicial discretion. See the discussion below, under **Indirect Debt and Unvoted Property Tax Limitations**, of the Charter tax limitation and the priority of claim on it for debt service on un-voted general obligation debt of the City.

Voted Bonds. The basic security for voted City general obligation debt is the authorization by the electors for the City to levy to pay debt service on those bonds, without limitation as to rate or amount, ad valorem taxes on all real and tangible personal property subject to ad valorem taxation by the City. The tax is outside of the Charter tax limitation and is to be in sufficient amount to pay (to the extent not paid from other sources) as it comes due the debt service on the voted bonds (subject to the provisions of bankruptcy laws and other laws affecting creditors' rights and to the exercise of judicial discretion). The City has no voted general obligation debt.

BANs. Ohio law requires, while BANs are outstanding, the levy of an ad valorem property tax in an amount not less than that which would have been levied if bonds had been issued without the prior issuance of the BANs. That levy need not actually be collected if payment in fact is to be provided from other sources, such as the proceeds of the bonds anticipated or of renewal BANs. BANs, including renewal BANs, may be issued and outstanding from time to time up to a maximum period of 240 months (20 years) from the date of issuance of the original notes (the maximum maturity for special assessment BANs is five years). Any period in excess of five years must be deducted from the permitted maximum maturity of the bonds anticipated, and portions of the principal amount of BANs outstanding for more than five years must be retired in amounts at least equal to, and payable not later than, those principal maturities that would have been required if the bonds had been issued at the expiration of the initial five-year period. As of December 31, 2017, the City has no General Obligation BANs outstanding.

In addition to the basic ad valorem property tax security described above, each ordinance authorizing the issuance of the City's general obligation bonds or notes issued in anticipation thereof provides further security by making a pledge of the full faith and credit of the City for the payment of the debt service on those bonds or notes as it becomes due. Included in that pledge are all funds of the City, except those specifically limited to another use or prohibited from that use by the Ohio Constitution or by Ohio or federal law or by revenue bond trust agreements. These exceptions include tax levies voted for specific purposes, special assessments pledged to particular bonds or notes, and certain utility revenues. As discussed herein, only voted general obligation debt is payable from unlimited ad valorem property taxes.

As is shown in **Debt Table C**, the City expects that almost all of the debt service on the un-voted general obligation debt of the City will in fact be paid from sources other than the ad valorem property tax, such as the City's income tax revenues, utility revenues, and special assessments. Should income tax revenues or other revenues for any reason become insufficient to pay debt service on City bonds and bond anticipation notes, the City will be required by Ohio law to levy, collect, and use the above-described ad valorem taxes to pay that debt service.

STATUTORY DIRECT DEBT LIMITATIONS

The Revised Code provides that the net principal amount of both voted and un-voted general obligation debt of a city, excluding "exempt debt" (discussed below), may not exceed 10-1/2% of the total value of all property in the city as listed and assessed for taxation, and that the net principal amount of the un-voted nonexempt debt of a city may not exceed 5-1/2% of that value. These two limitations, which are referred to as the "direct debt limitations," may be amended from time to time by the General Assembly.

A city's ability to incur un-voted debt (whether or not exempt from the direct debt limitations) also is restricted by the indirect debt limitation discussed below under **Indirect Debt and Unvoted Property Tax Limitations**.

Certain debt a city may issue is exempt from the direct debt limitations ("exempt debt"). Exempt debt includes: general obligation debt issued for improvements for municipal utility, off-street parking, garbage and refuse collection or disposal, hospital, and airport purposes, to the extent it is "self-supporting" (that is, revenues from the category of facilities are sufficient to pay operating and maintenance expenses and related debt service and other requirements); bonds issued in anticipation of the collection of special assessments; revenue bonds; notes issued in anticipation of the collection of current revenues or in anticipation of the proceeds of a specific tax levy; notes issued for certain emergency purposes; bonds issued to pay non-contractual final judgments; and un-voted general obligation bonds to the extent that debt service will be met from lawfully available municipal income taxes to be applied to that debt service pursuant to ordinance covenants. Notes issued in anticipation of exempt bonds are also exempt debt.

In the calculation of the debt subject to the direct debt limitations, the amount of money in a city's bond retirement fund allocable to the principal amount of nonexempt debt is deducted from gross nonexempt debt. Without consideration of money in the City's Bond Payment Fund and based on outstanding debt and current tax valuation, the City's voted and un-voted nonexempt debt capacities as of August 15, 2019 were:

<u>Debt Limitation</u>	<u>Outstanding Debt</u>	<u>Additional Borrowing Capacity Within Limitation</u>
10-1/2% - \$284,423,510	\$93,148,655	\$191,274,855
5-1/2% - \$148,983,743	\$93,148,655	\$55,835,088

See **Debt Table A** for further details.

INDIRECT DEBT AND UNVOTED PROPERTY TAX LIMITATIONS

Voted general obligation debt may be issued by the City if authorized by a vote of the electors. Ad valorem taxes, without limitation as to amount or rate, to pay debt service on voted bonds are authorized by the electors at the same time they authorize the issuance of the bonds.

General obligation debt also may be issued by the City without a vote of the electors. This un-voted debt may not be issued unless the highest ad valorem property tax for the payment of debt service on (a) those bonds (or the bonds in anticipation of which BANs are issued) and (b) all outstanding un-voted general obligation bonds (including bonds in anticipation of which notes are issued) of the City resulting in the highest tax required for such debt service, in any year is 10.5 mills or less per \$1.00 of assessed valuation. This indirect debt limitation is imposed by the Charter.

In lieu of the ten-mill limitation briefly discussed below, the electors of a charter municipality such as the City may establish a different tax rate limitation. The electors of the City have authorized the Council to levy, for all purposes of the City, each year a tax of up to the Charter tax rate limitation on all the taxable property in the City without further authorization from the electors, but subject to change by further action of the electors. See **Ad Valorem Tax Rates**. No portion of the 10.5-mills can be preempted by another overlapping taxing subdivision. In the case of BANs issued in anticipation of un-voted general obligation bonds, the highest annual debt service estimated for the anticipated bonds is used to calculate the millage required. These debt service estimates are included in **Debt Table C**.

This Charter millage is required to be used first for the payment of debt service on un-voted general obligation debt of the City, unless provision has been made for its payment from other sources, and the balance may be used for general fund purposes.

The indirect limitation applies to all un-voted general obligation debt even if debt service on some of it is expected to be paid in fact from special assessments, utility revenues, or other sources. Revenue bonds, notes issued solely in anticipation of special assessments, and bonds and notes payable only from City income tax revenues are not included in debt subject to the Charter tax rate limitation because they are not general obligations of the City and the full faith and credit of the City is not pledged for their payment.

The highest debt service requirement in any year for all City debt subject to the Charter tax rate limitation (including unvoted, general obligation bonds already outstanding and bonds to be issued to fund those BANs) is estimated to be \$23,187,855. The payment of that annual debt service would require a levy of 8.56 mills based on current assessed valuation. This maximum debt service requirement (except debt service on certain final judgment bonds) is expected by the City to be paid from sources other than ad valorem property taxes, such as the City income tax revenues and special assessments (see **Debt Table C**). If those other sources for any reason are not available, the debt service could be met from the amounts produced by the millage currently levied for all purposes by the City within the Charter tax rate limitation.

The total millage theoretically required by the City for its outstanding unvoted bonds (including bonds in anticipation of which notes are outstanding) is, as shown above 8.56 mills for 2018, the year of the highest potential debt service. There thus remain 1.94 mills within the Charter tax rate limitation that has yet to be allocated to debt service by the City and that is available to the City in connection with the issuance of additional unvoted general obligation debt. The City could, for example, issue additional debt in the principal amount of approximately \$28,442,351 (maturing over 20 years with substantially equal annual debt service payments and with an estimated interest rate of 5.0%) within this limitation. The estimated principal amount of

that additional debt would be reduced accordingly if the estimated interest rate exceeded 5.0% or if the City's total assessed valuation continued to decrease (see **Ad Valorem Property Taxes and Special Assessments - Assessed Valuation** in the **Annual Information Statement**).

In the absence of the Charter tax limitation, the applicable indirect debt limitation would be the product of what is commonly referred to as the "ten-mill limitation" imposed by a combination of provisions of the Ohio Constitution and of the Revised Code. The ten-mill limitation is the maximum aggregate millage for all purposes that may be levied without elector approval on a single piece of property by *all* overlapping taxing subdivisions, with the ten mills being allocated among certain overlapping taxing subdivisions (including the cities) pursuant to a statutory formula. The inside millage so allocated is required by Ohio law to be used first for the payment of debt service on unvoted general obligation debt of the subdivisions (unless provision has been made for its payment from other sources) and the balance may be used for other purposes of the subdivisions. If the ten-mill limitation applied to the City (that is, if the City did not have the Charter tax rate limitation), unvoted obligations could not be issued by the City unless the tax required to be imposed in any one year would be ten mills or less per \$1.00 of assessed valuation for payment of annual debt service on those obligations (if BANs, the bonds in anticipation of which the BANs are issued) and all outstanding unvoted general obligation bonds (including bonds in anticipation of which BANs are issued) of the combination of overlapping taxing subdivisions including the City resulting in the highest tax rate required for that debt service. To the extent that this inside millage is required for debt service of a taxing subdivision (which may exceed the formula allocation for that subdivision), the amount that would otherwise be available to that subdivision or to other overlapping subdivisions for general fund purposes would be reduced. A law applicable to all Ohio cities and villages, however, requires that any lawfully available receipts from a municipal income tax or from voted property tax levies be allocated to pay debt service on City unvoted debt before the formula allocations of the inside millage to overlapping subdivisions can be invaded for that purpose.

DEBT OUTSTANDING

The following tables list the City's outstanding general obligation debt represented by bonds and notes and certain other debt service information as of June 30, 2019.

DEBT TABLE A

Principal Amounts of Outstanding General Obligation Debt; Capacity for Additional Debt within Direct Debt Limitations

A.	Total debt (a).....	145,397,318
B.	Exempt debt: (all unvoted)	
	Bonds issued to pay final judgments	5,399,175
	Bonds issued for public improvements under Chapter 725 of the Revised Code	0
	Bonds issued for various improvements with a specific pledge of income tax under Section 133.05(B)(7) of the Revised Code:	
	Ascot Park Improvement	52,700

	CitiCenter Building.....	248,440	
	Community Centers	58,020	
	Economic Development.....	34,860	
	Final Judgement.....	202,730	
	Fire Department Facilities.....	276,370	
	Furnace/Howard Renewal.....	128,750	
	High Street Renewal	209,850	
	Industrial Incubator.....	121,890	
	Inventure Place.....	369,590	
	Justice Center Plaza	67,610	
	Motor Vehicles/Equipment	783,330	
	Municipal Facilities	5,513,950	
	Off-Street Parking.....	3,697,830	
	Real Estate Acquisition.....	663,070	
	Recreational Facilities.....	9,413,170	
	Storm Sewers	11,630	
	Streets.....	18,633,380	
	Total.....	40,127,170	
	Bonds issued in anticipation of the collection of special assessments	6,722,318	
	Total exempt debt		52,248,663
C.	Nonexempt debt:		
	Unvoted bonds and BANs issued for the following improvements:		
	Economic Development.....	2,434,050	
	Fire Department Facilities.....	250,950	
	Furnace/Howard Renewal Area	1,885,107	
	Industrial Incubator.....	2,050,010	
	Motor Vehicles/Equipment.....	1,631,150	
	Municipal Facilities	9,244,314	
	Parking Facilities	8,070,000	
	Real Estate Acquisition.....	2,976,305	
	Recreational Facilities.....	20,697,155	
	Storm Sewers.....	808,480	
	Streets.....	43,101,170	
	Total non exempt debt		93,148,655
D.	5-1/2% of assessed valuation (unvoted direct debt limitation).....		148,983,743
E.	Total limited tax nonexempt bonds and notes out-standing:		
	Bonds outstanding.....	93,148,655	
	Notes outstanding.....	<u>0</u>	
	Total		93,148,655
F.	Debt capacity within 5-1/2% unvoted debt limitation (but subject to indirect debt limitation) (D minus E) (b)		55,835,088

G.	10-1/2% of assessed valuation (voted and unvoted direct debt limitation).....		284,423,510
H.	Total nonexempt bonds and notes outstanding:		
	Bonds outstanding.....	93,148,655	
	Notes outstanding.....	<u>0</u>	
	Total.....		93,148,655
I.	Debt capacity within 10-1/2% direct debt limitation (G minus H) (b).....		191,274,855

-
- (a) Other City debt and long-term obligations, which are not general obligations of the City and thus are not set forth in this table, include:
- (b) • Health benefit claims BANs (\$2,500,000) payable solely from income tax revenues (see **Income Tax Revenue Bonds – Health Benefit Claims Bond Anticipation Notes** in the Annual Information Statement).
- (c) • Special Assessment Street Improvement Notes (\$13,000,000) payable solely from special assessment revenues.
- (d) • Water System mortgage revenue bonds payable solely from revenues (\$14,785,000) and (see **Revenue Bonds** in the Annual Information Statement).
- (e) • Loan payments payable to: (i) the OWDA, (ii) the OPWC, (iii) the ODOT, and (iv) the ODOD, and certain lease agreements (see **Long-Term Obligations Other Than Bonds and Notes** in the Annual Information Statement).
- (f) • Certificates of Participation for: (i) Canal Park Stadium project (\$ 5,915,000 and \$ 1,260,000), (iii) Steam System Utility (\$9,830,000, \$11,365,000, and \$24,445,000 (see **Long-Term Obligations Other Than Bonds and Notes** in the Annual Information Statement).
- (g) • Nontax Revenue Economic Development Bonds (\$33,435,000) (see **Nontax Revenue Bonds** in the Annual Information Statement)
- (h) • Income Tax Revenue Bonds (\$122,897,059) payable solely from income tax revenues (see **Income Tax Revenue Bonds** in the Annual Information Statement)
- (i) • Community Learning Centers Income Tax Revenue Bonds, Series 2010A (\$990,000) Series 2010B (\$12,060,000), Series 2010C (\$15,060,000), Series 2012A (\$133,320,300) , Series 2014 (\$20,455,000), Series 2016 (\$24,745,000) and Series 2017 (\$36,390,000) (see **Income Tax Revenue Bonds** in the Annual Information Statement).
- (j) • Joint Economic Development District Special Revenue Bonds (\$11,555,000), payable solely from JEDD Revenues (see **Special Revenue Bonds** in the Annual Information Statement).
- (k) Debt capacity in this table is determined without considering money in the Bond Payment Fund (estimated \$414,137), which is available to pay Debt Service on general obligation bonds and bond anticipation notes.

DEBT TABLE B

Various City and Overlapping General Obligation (GO) Debt Allocations (Principal Amounts)

	Amount	Per Capita(b)	% of City's Current Assessed Valuation(d)	% of City's Estimated Actual Valuation(e)
City Nonexempt GO Debt(a)	\$93,148,655	\$ 468	3.44%	1.20%
Total City GO Debt (exempt and nonexempt)	\$145,397,318	\$ 730	5.37%	1.88%
Total Overlapping GO Debt(c)	\$175,886,165	\$ 883	6.49%	2.27%

(a) Total City GO debt, less exempt debt (see **Debt Table A**).

(b) Based on 2010 census population of 199,110 for the City.

(c) Includes, in addition to "Total City GO Debt," allocations of the total GO debt of overlapping debt issuing subdivisions resulting in the calculation of total overlapping debt based on percent of assessed valuation of territory of the subdivisions located within the City (% figures are resulting percent of total debt of subdivisions allocated to the City in this manner), as follows:

- \$ 10,378,765 of County debt (21.76%);
- \$ 3,269,153 of Summit County Library District debt (32.61%);
- \$ 2,010,200 of Revere Local School District debt (3.20%);
- \$ 10,145,955 of Woodridge Local School District debt (30.3%);
- \$ 2,497,494 of Coventry Local School District debt (8.86%);
- \$ 2,187,280 of Springfield Local School District debt (7.6%);

(d) The assessed valuation of the City is \$2,708,795,330.

(e) The estimated actual valuation of the City is \$7,739,406,805.

Source of assessed valuation and estimated actual valuation: County Fiscal Officer.

Source of GO debt figures for overlapping subdivisions: Ohio Municipal Advisory Council (OMAC)*.

*Statement provided by OMAC: "OMAC compiles information from official and other sources. OMAC believes the information it compiles is accurate and reliable, but OMAC does not independently confirm or verify the information and does not guaranty its accuracy. OMAC has not reviewed this Official Statement to confirm that the information attributed to it is information provided by OMAC or for any other purpose."

DEBT TABLE C

Projected Debt Service Requirements on Unvoted General Obligation Bonds (Payable from Ad Valorem Taxes Levied within the City's 10.5-Mill Charter Tax Rate Limitation)

Portion of Total Debt Service Anticipated to be Paid From:

Year	Bonds	Total Debt Service	Income Tax	Pledged Income Tax (a)	Ad Valorem Taxes	Special Assessments
2018	23,253,604	23,253,604	15,395,759	6,464,340	581,956	811,548
2019	23,187,855	23,187,855	14,932,778	6,524,689	582,116	1,148,272
2020	21,333,974	21,333,974	14,533,950	5,072,357	584,998	1,142,668
2021	23,016,834	23,016,834	15,160,413	6,129,470	588,102	1,138,848
2022	19,067,239	19,067,239	14,076,340	3,861,780	364,213	764,906
2023	17,586,504	17,586,504	12,394,360	4,143,490	365,838	682,816
2024	14,843,484	14,843,484	10,152,380	3,747,233	366,813	577,059
2025	10,662,047	10,662,047	7,423,600	2,298,688	362,700	577,059
2026	12,175,329	12,175,329	7,434,850	3,800,420	363,000	577,059
2027	8,167,925	8,167,925	4,373,244	2,849,422	368,200	577,059
2028	6,393,484	6,393,484	2,983,494	2,829,695	363,200	217,095
2029	4,310,737	4,310,737	1,774,487	2,173,250	363,000	0
2030	4,305,502	4,305,502	1,777,162	2,165,940	362,400	0
2031	4,311,090	4,311,090	1,778,050	2,166,640	366,400	0
2032	364,800	364,800	0	0	364,800	0
2033	362,800	362,800	0	0	362,800	0
2034	365,400	365,400	0	0	365,400	0
2035	362,400	362,400	0	0	362,400	0
2036	364,000	364,000	0	0	364,000	0
2037	0	0	0	0	0	0

(a) Debt service on general obligation bonds and notes secured with a specific pledge of income tax revenues under Section 133.05(B)(7) of the Revised Code. (See **Debt Outstanding - Debt Table A** and **Income Tax Revenue Bonds** in the Annual Information Statement.)

NOTE: Columns may not total due to rounding to the nearest dollar

PAYMENT OF DEBT SERVICE

General obligation debt of the City, unless paid from other sources, is to be paid by the levy of ad valorem property taxes, which taxes are unlimited as to amount or rate as to voted issues and within the 10.5-mill Charter tax rate limitation as to un-voted issues. The actual source of payment of debt service on general obligation debt has shifted during the last 56 years from property taxes to other sources, as indicated below. The property tax continues to be pledged to the payment of that debt even though payment is made from other sources. At the end of 1963, the City's outstanding general obligation debt totaled \$41,127,332; of this amount, \$25,856,432, or 62.87%, was expected to be retired from property taxes. By the end of 2018 the City's outstanding general obligation debt had risen to \$145,397,319, but only \$9,547,743, or 6.57%, of this amount was expected to be retired from property taxes.

Debt Table D sets forth the principal amount of the City's total general obligation debt, outstanding as of January 1 in the years indicated, divided according to the source of funds used and expected to be used in 2018 to retire that debt. Of that total debt, 87.18% is to be paid from the City's municipal income tax (see **Municipal Income Tax**) and another 4.62% is to be paid from the collection of special assessments (see **Special Assessments**).

Tax increment payments support 1.63% of the outstanding general obligation debt. Under certain tax increment financing statutes, the City may declare the future increase in assessed valuation of parcels being developed to be exempt from real property taxation for a certain period of time. Owners of that property then make payments to the City in lieu of the taxes that would have been paid. The City uses these payments to pay debt service on general obligation debt issued to fund public improvements, including bonds issued under Chapter 725 of the Revised Code (see **Debt Table A**). The City has entered into several agreements with the Akron City School District that provide, in part, for limitations on the exemption period and for certain payments by the City to the School District.

[Remaining portion of this page intentionally left blank.]

DEBT TABLE D

Principal Amount of General Obligation Debt, the Debt Service on Which Was (or Will Be) Retired from these Sources

Outstanding as of January 1,	<u>Total</u>	<u>Income Taxes(a)</u>	<u>Ad Valorem Taxes</u>	<u>Special Assessments</u>	<u>Water and Sewer Revenue</u>	<u>Off-Street Parking Revenue</u>	<u>Tax Increment Payments</u>	<u>County-Wide Bed Tax</u>
2007	225,634,970	190,782,790	10,287,564	17,433,196	-0-	-0-	6,496,778	634,642
2008	233,149,295	189,346,094	10,794,138	16,285,403	-0-	10,420,040	5,978,799	324,821
2009	246,059,447	204,584,645	10,278,052	16,077,013	-0-	9,659,431	5,460,306	-0-
2010	271,488,713	232,375,027	10,278,196	13,412,622	-0-	9,991,106	5,431,762	-0-
2011	281,471,862	244,813,495	9,927,639	12,415,297	-0-	9,227,680	5,087,751	-0-
2012	292,990,209	257,623,859	9,723,524	12,219,202	-0-	8,677,052	4,746,572	-0-
2013	238,585,598	207,893,539	9,260,389	9,107,829	-0-	7,952,907	4,370,934	-0-
2014	221,992,067	201,292,597	9,447,804	7,220,254	-0-	-0-	4,031,412	-0-
2015	206,074,959	188,373,005	8,987,363	5,048,132	-0-	-0-	3,666,459	-0-
2016	190,245,256	175,214,500	8,151,241	3,760,089	-0-	-0-	3,119,426	-0-
2017	176,967,869	160,202,240	11,802,064	2,726,347	-0-	-0-	2,237,217	-0-
2018	162,331,703	142,781,690	10,684,758	5,013,086	-0-	-0-	3,852,169	-0-
2019	145,397,318	126,760,005	9,547,743	6,722,318	-0-	-0-	2,367,252	-0-

(a) Includes general obligation debt expected to be paid from the City's income taxes as well as general obligation debt secured with a specific pledge of income tax revenues (see **Debt Outstanding – Debt Table A and Debt Table C**).

Shown below is the annual debt service on general obligation debt paid from income tax revenues and from unlimited ad valorem taxes pursuant to elector authorization and ad valorem taxes within the 10.5-mill Charter tax rate limitation.

<u>Calendar Year</u>	<u>Debt Service Paid from^(a)</u>		
	<u>Income Tax Revenues</u>	<u>Unlimited Ad Valorem Taxes^(b)</u>	<u>Ad Valorem Taxes within 10.5-mill Limit^(b)</u>
2007	18,815,310	-0-	921,511
2008	19,500,503	-0-	929,212
2009 ^(c)	8,217,966	-0-	259,361
2010	15,182,974	-0-	777,252
2011	17,428,822	-0-	818,183
2012.....	16,115,523	-0-	780,743
2013.....	21,817,913	-0-	810,435
2014.....	16,568,911	-0-	939,852
2015.....	16,892,540	-0-	665,441
2016.....	20,648,113	-0-	629,705
2017.....	19,473,725	-0-	1,182,560
2018.....	19,193,897	-0-	1,212,996

(a) See **Debt Tables A** and **C** for amount of future debt service anticipated to be paid from these sources.

(b) See **Tax Table B** for millage levied for this debt service.

(c) General Obligation maturities totaling \$12,925,000 were refinanced in 2009.

As indicated in **Debt Table C** and **Debt Table D**, the City's un-voted general obligation bonds and bond anticipation notes are anticipated to be paid from income tax revenues, special assessments, off-street parking revenues and other sources. Because the City has provided for the levy of taxes within the 10.5-mill Charter tax rate limitation (as required by law), should those revenue sources fail for any reason to produce amounts sufficient for debt service, the City would be required to preempt the levy for current expenses for its General Fund to the extent of the revenue shortfall in order to provide for debt service on those bonds and notes. The City has not been in default on any of its general obligation debt since March 1, 1936.

[Remaining portion of this page intentionally left blank.]

CHANGES IN INDEBTEDNESS; FUTURE FINANCINGS

The City's amortization schedule of its general obligation bonds provides that 89.6% of those bonds currently outstanding will mature and be paid within 10 years.

A summary of the general obligation debt of the City, outstanding for the years indicated, is set forth in the following table.

<u>General Obligation Debt (Principal Amount)</u>					<u>% of Then Current Assessed Valuation(b)</u>	<u>% of Then Estimated Actual Valuation(b)</u>
<u>Year</u>	<u>Bonds</u>	<u>Bond Anticipation Notes</u>	<u>Total</u>	<u>Per Capita(a)</u>		
2008	230,369,113	2,780,182	233,149,295	1,074	7.36	2.58
2009	214,782,947	31,276,500	246,059,447	1,134	8.15	2.90
2010	212,191,513	59,297,200	271,488,713	1,251	9.03	3.21
2011	257,573,662	23,898,200	281,471,862	1,414	9.33	3.32
2012	252,361,509	40,628,700	292,990,209	1,471	10.96	3.92
2013.....	238,069,598	516,000	238,585,598	1,198	10.05	3.61
2014.....	221,992,067	0	221,992,067	1,115	9.49	3.41
2015.....	206,074,959	0	206,074,959	1,035	7.97	2.89
2016.....	190,245,256	0	190,245,256	958	7.39	2.59
2017.....	175,547,997	0	175,547,997	882	6.82	2.39
2018.....	161,158,086	0	161,158,086	809	5.98	2.20
2019.....	145,397,319	0	145,397,319	730	5.37	1.97

(a) Based on Bureau of Census 2014 estimated population figure of 199,110 for the City.

(b) For the current assessed valuation and estimated actual valuation see table under **Ad Valorem Property Taxes and Special Assessments -- Assessed Valuation**.

[Remaining portion of this page intentionally left blank.]

The following table sets forth the types and principal amounts of debt retired and issued in the last calendar year and projections for the current year.

Principal Amount of Debt (000)						
	2018			2019		
	Outstanding as of <u>January 1(b)</u>	To be <u>Paid</u>	To be <u>Issued(c)</u>	Outstanding as of <u>January 1(b)</u>	To be <u>Paid</u>	To be <u>Issued(c)</u>
Revenue Bonds(d).....	\$19,040	\$4,255	-0-	\$14,785	\$1,130	-0-
Special Revenue Bonds(e)	15,220	3,665	-0-	11,555	3,835	-0-
Nontax Revenue Bonds(f).....	39,170	5,735	-0-	33,435	3,025	-0-
Special Assessment Notes(g)	13,000	13,000	13,000	13,000	13,000	13,000
Income Tax Revenue Bonds(h).....	339,080	16,463	2,000	324,617	16,754	53,000
Income Tax Revenue Notes(h).....	33,500	33,500	43,800	43,800	43,800	-0-
Voted –						
Bonds.....	-0-	-0-	-0-	-0-	-0-	-0-
Notes.....	-0-	-0-	-0-	-0-	-0-	-0-
Unvoted utility or off-street parking(i)						
Bonds.....	13,858	2,090	-0-	11,768	2,195	-0-
Notes.....	-0-	-0-	-0-	-0-	-0-	-0-
Unvoted in anticipation of special assessments(j)						
Bonds.....	5,013	700	2,410	6,722	996	1,546
Notes.....	-0-	-0-	-0-	-0-	-0-	-0-
Unvoted-general purposes						
Bonds.....	143,461	15,659	-0-	126,907	15,260	-0-
Notes.....	-0-	-0-	-0-	-0-	-0-	-0-

- (a) For description of note issues see **Bond Anticipation Notes**.
- (b) For detail see **Debt Table A**.
- (c) Estimated amounts, currently expected to be issued.
- (d) Non-GO debt payable from revenues of utilities.
- (e) Non-GO debt payable from JEDD revenues and utility revenues if necessary.
- (f) Non-GO debt payable solely from non-tax revenues.
- (g) Non-GO debt payable solely from special assessments.
- (h) Non-GO debt payable solely from municipal income tax revenues.
- (i) Exempt GO debt expected to be paid from revenues of utilities or off-street parking facilities.
- (j) Exempt GO debt expected to be paid from the collection of special assessments.

The City also plans to issue, from time to time, notes in anticipation of the levy and collection of special assessments and of the issuance of bonds for various street, sewer, and water improvement projects. It is expected that consistent with City policy these general obligation notes will be purchased by the City as investments in its Treasury Investment Account. (See **Special Assessments**.)

REVENUE BONDS

The City has issued revenue bonds for its Water System and for its Sewer System (see **The City – Water System and Sewer System**). These bond issues are summarized in the following tables.

Water System Revenue Bonds

<u>Date of Issue</u>	<u>Final Maturity</u>	<u>Original Principal Amount</u>	<u>Principal Outstanding as of Dec. 31, 2018</u>	<u>Principal and Interest Payment Due in 2019</u>
September 17, 2009	2034	22,100,000	8,025,000	712,538
December 18, 2015	2026	8,300,000	6,760,000	930,177

The bonds dated September 17, 2009 were issued to finance improvements to the Water System and to refund prior issues of Water System Revenue Bonds dated January 15, 1996 in the outstanding aggregate principal amount of \$7,780,000 and bonds dated February 1, 1998 in the outstanding aggregate principal amount of \$6,570,000. The bonds dated December 18, 2015 were issued to finance improvements to the Water System and to refund prior issues of Water System Revenue Bonds dated August 10, 2006 in the outstanding aggregate principal amount of \$ 8,300,000. The Water System Revenue Bonds are payable from the revenues of the Water System. They are not general obligations of the City. The Water System Revenue Bonds are secured by a mortgage on that utility.

SPECIAL REVENUE BONDS

On December 21, 2011, the City issued \$27,165,000 Joint Economic Development District Revenue Refunding Bonds. These bonds refunded \$8,080,000 Waterworks System Special Revenue Bonds, Series 2000, dated as of July 1, 2000, \$10,060,000 Waterworks System Special Revenue Bonds, Series 2002, dated as of September 1, 2002, \$8,100,000 Sanitary Sewer System Special Revenue Bonds, Series 2000, dated as of August 1, 2000, and \$6,340,000 Sanitary Sewer System Special Revenue Bonds, Series 2002, dated as of November 1, 2002. These Special Revenue Bonds are special obligations of the City; they are not general obligations of the City. These bonds are payable solely from revenues received by the City from joint economic development districts. See **Joint Economic Development Districts** for a table showing debt service coverage provided by JEDD revenues. The City has agreed that, so long as the Special Revenue Bonds are outstanding, it will not suffer the repeal, amendment, or any other change in the City legislation authorizing those bonds or the JEDD contracts that in any way materially and adversely affects or impairs (i) the sufficiency of the JEDD Revenues available for the payment of those bonds, or (ii) the application of the JEDD Revenues to the payment of those bonds.

INCOME TAX REVENUE BONDS

Pension Bonds

In May 1999, the City issued \$10,090,000 of Pension Refunding Income Tax Revenue Bonds, Series 1999 (the Pension Bonds), to refund the obligation of the City to the Ohio Police and Fire Pension Fund for employer's accrued liability. The refunding eliminated the City's obligation to pay \$738,365 per year through 2035 to that Fund for the City's allocable share of the accrued liability. The 1999 bonds were refunded by the \$6,405,000 Pension Refunding Income Tax Revenue Bonds, Series 2011 on December 15, 2011. The City will pay, on average, approximately \$702,779 in debt service per year through 2023 to retire the Pension Bonds in 2023.

As provided in the bond ordinance for the Pension Bonds, the City will levy and collect annually income taxes to first produce an amount sufficient to pay interest (and any premium) on and principal of the Pension Bonds when due, and to meet the coverage requirements included in the Trust Indenture relating to the Pension Bonds (the Indenture), and then to meet other obligations of the City to be discharged from its income tax revenues. To secure the payment of the debt service on the Pension Bonds and any additional bonds issued under the Indenture, the City pledged its income tax revenues (the Income Tax Revenues) to the Trustee and assigned and created a security interest in the Pledged Income Tax Revenues to and in favor of the Trustee. The Pledged Income Tax Revenues comprise all money in the Pledged Funds and all income and profit from the investment of that money. The City has created two funds under the Indenture as Pledged Funds, the Bond Fund and the Bond Reserve Fund. These Pledged Funds are in the custody of the Trustee.

The Pension Bonds are not a general obligation debt or pledge of the faith or credit of the City. The Pension Bonds are special obligations of the City payable solely from the income tax revenues. The holders of the Pension Bonds have no right to have taxes, other than the City income tax, levied by the City, the State, or the taxing authority of any other political subdivision of the State for the payment of debt service on the Pension Bonds.

Holders of the Pension Bonds do not have a security interest in the City's Income Tax Revenues other than the Pledged Income Tax Revenues. The City is permitted to and intends to use its Income Tax Revenues for other lawful purposes, including but not limited to the payment of City general obligation debt. See **City Debt and Other Long-Term Obligations**. Under the

Indenture, the City may issue additional bonds, although the City has no present expectation of doing so. The Indenture also permits the City to incur other obligations payable from and secured by a pledge of Income Tax Revenues on a parity with the Pension Bonds, including any general obligation bonds of the City, any City guarantees of debt or other obligations (such as the CLC Bonds) that are secured by a pledge of Income Tax Revenues (Parity Obligations). As provided in the Indenture, the City may issue additional Pension Bonds or incur Parity Obligations if the City can demonstrate that the average annual Income Tax Revenues for the previous two calendar years, taking into account any income tax rate changes then in effect, aggregate at least 300% (3.0x) of the largest amount required to be paid in any succeeding calendar year to (i) be paid into the Bond Fund to pay debt service on all Pension Bonds to be outstanding immediately after the issuance of any additional bonds and (ii) pay all required payments on outstanding other Parity Obligations. See **Municipal Income Tax**. The coverage calculated for 2018 is 766% (7.66). See **Income Tax Revenue Bond Debt Service and Debt Service Coverage**.

General Obligation Bonds

The City has issued general obligation bonds and bond anticipation notes for various improvements secured with a pledge of income tax under Section 133.05(B)(7) of the Revised Code, with aggregate outstanding principal of \$51,460,683. Those bonds and notes were issued for various purposes including: Convention Center, Community Centers, Inventure Place, Justice Center Plaza, Fire Department Facilities, Motor Vehicles, Street Improvements, Municipal Facilities and Recreational Facilities. See **Debt Outstanding - Debt Table A**. Although not secured under the Indenture, those bonds and notes are on a parity with the Pension Bonds and are “Parity Obligations” as defined in the Indenture. For purposes of determining whether the coverage requirement in the Indenture is satisfied prior to the issuance of additional bonds or Parity Obligations, the City will include the aggregate amount of Income Tax Revenues pledged by the City to pay debt service on these Parity Obligations.

Guarantees

In 2001, the Summit County Port Authority (the Port Authority) issued \$14,646,070 of revenue bonds to fund, in part, the renovation, expansion, and equipping of the Akron Civic Theatre (see **Central Business District (CBD) Development Program**). The Development Finance Authority of Summit County (formerly known as the Summit County Port Authority) refinanced the original bonds with a \$15,295,000 refunding bond issued dated July 12, 2012. These revenue bonds are to be paid from a County-wide bed tax. As part of a cooperative agreement between the City, the County, the Port Authority, and the Akron Civic Theatre, the City has guaranteed the payment of debt service on these bonds, but only from its income tax revenues. The Guaranty by the City is not a general obligation of the City. Under the cooperative agreement, the County’s bed-tax collections that are not needed to pay debt service on these revenue bonds will be paid to the City. The City’s guaranty of debt service commenced in 2004 and extends through 2033. Although the City expects that the debt service on these bonds will be fully paid from the bed tax revenues, the amount of that debt service will be included in the coverage calculation for all bonds secondly to a pledge of the income tax revenues, including the Pension Bonds, general obligation bonds secured by the pledge and the CLC Bonds. See **Income Tax Bond Debt Service and Debt Service Coverage**.

Community Learning Centers (CLC) Bonds

As noted in **Municipal Income Tax**, the City, pursuant to voter approval, increased its income tax rate by an additional 0.25% (the CLC Income Tax) effective January 1, 2004. The revenues generated by the CLC Income Tax are to be used solely to fund Community Learning Centers, including payment of debt service on bonds issued for that purpose. The City covenanted in the Trust Agreement securing the CLC Bonds (the

Trust Agreement) not to suffer the repeal or the amendment of the City's income tax ordinances in any way that materially and impairs the security for the CLC Bonds. In January 2004, the City issued \$215,000,000 City of Akron Community Learning Centers Income Tax Revenue Bonds (the CLC Bonds) to fund the initial phases of the Community Learning Centers project. In July 2010, the City issued an additional \$45,000,000 of City of Akron Community Learning Center Income Tax Revenue Bonds to fund additional Community Learning Center projects. On June 27, 2012, the City refunded \$165,000,000 of the Series 2004A bonds with a \$155,360,000 CLC Bonds Series 2012A refunding issue. The City also refunded \$6,895,000 the Series 2004B bonds with a \$7,025,000 CLC Bonds Series 2012B refunding issue. On May 7, 2014 the City issued an \$50,000,000 of City of Akron Community Learning Center Income Tax Revenue Bonds to fund additional Community Learning Center projects. In December 2016, the City issued an additional \$27,000,000 of City of Akron Community Center Income Tax Revenue Bonds to fund additional Community Learning Center projects. On December 20, 2017 the City refunded \$15,000,000 of the 2010A CLC Bonds and \$ 20,625,000 of the 2014 CLC with a 2017 refunding issue of \$36,615,000.

The City will levy and collect annually income taxes to produce an amount sufficient to pay debt service on the CLC Bonds when due and to meet other obligations of the City to be discharged from its municipal income tax revenues (the Income Tax Revenues). To secure the payment of the debt service on the CLC Bonds including additional bonds issued under the Trust Agreement, the City has pledged its Income Tax Revenues to the Trustee and has assigned and created a security interest to and in favor of the Trustee in all money in the Pledged Funds and all income and profit from the investment of that money (the Pledged Income Tax Revenues). The City has created two funds under the Trust Agreement as Pledged Funds—the Bond Fund and the Bond Reserve Fund. Those Pledged Funds are in the custody of the Trustee. The Bond Reserve Fund will not be funded unless and until the City fails to meet the coverage ratio as provided in the Trust Agreement.

In the Cooperative Agreement, the School District has agreed to transfer \$3,000,000 each year to the Trustee for deposit in the Bond Fund (the School Contribution). The School Contribution is to be made in two installments (\$1,500,000 on or before February 15 and \$1,500,000 on or before May 15) each year from 2004 through 2033 or until all the CLC Bonds are fully paid. The City intends that all debt service on the CLC Bonds will be paid from the income tax revenues generated from the CLC Income Tax (the CLC Income Tax Revenues) and the annual School Contribution (collectively, the CLC Revenues). If for any reason, that debt service could not be paid from those sources, it will be paid from other Income Tax Revenues. The City has agreed in the Trust Agreement to transfer to the Trustee for deposit in the Bond Fund from CLC Income Tax Revenues, an amount sufficient to pay debt service due and payable on the CLC Bonds for the then current year taking into account the School Contribution and any amounts then remaining in the Bond Fund after all debt service for the prior year has been paid. The transfers are to occur well in advance of the debt service payment dates.

The CLC Bonds are not a general obligation debt or pledge of the faith or credit of the City, the School District, the State, or any other political subdivision. The CLC Bonds are special obligations of the City payable solely from the CLC Revenues and the Income Tax Revenues of the City. The Holders of the CLC Bonds have no right to have taxes, other than the City income tax, levied by the City, the School District, the State, or the taxing of the debt for the payment of debt service on the CLC Bonds. Holders of the Bonds do not have a security interest in the City's Income Tax Revenues other than the Pledged Income Tax Revenues. The City is permitted to and intends to use its Income Tax Revenues for other lawful purposes, including but not limited to the payment of City general obligation debt. See **City Debt and Other Long-Term Obligations**.

The City must meet a coverage test in order to issue Additional Bonds under the Trust Agreement (the Additional Bonds) and in order to incur Parity Obligations. As noted above, Parity Obligations are other obligations payable from and secured by a pledge of Income Tax

Revenues on a parity with the CLC Bonds, including any general obligation bonds or notes of the City additionally secured by a pledge of Income Tax Revenues and any guarantees of the City secured by a pledge of the Income Tax Revenues. Parity Obligations are not secured by the Trust Agreement or the Pledged Income Tax Revenues under the Trust Agreement. The coverage test under the Trust Agreement for both Additional Bonds and Parity Obligations requires the City to certify that the average annual Income Tax Revenues for the previous two calendar years, taking into account any income tax rate changes then in effect, aggregate at least 300% of the largest amount required in any succeeding calendar year to (a) be paid into the Bond Fund to pay debt service on all CLC Bonds to be outstanding immediately after the issuance of the Additional Bonds and (b), pay all required payments on outstanding Parity Obligations.

A second coverage test is also required to be met in order to issue Additional Bonds under the Trust Agreement. For each of the years that all CLC Bonds will be outstanding, the projected CLC Revenues must equal an amount not less than 100% of the debt service due on all CLC Bonds in each corresponding year. For this second coverage test, (a) the projected CLC Revenues will be computed based on the actual CLC Income Tax Revenues for the preceding year as increased annually at a rate not to exceed 2.5% per year, and (b), if necessary, an amount from the Accumulated CLC Income Tax Fund will be included in the CLC Income Tax Revenues for the purposes of this test and allocated to pay debt service as needed for each of those years.

Health Benefit Claims Bond Anticipation Notes

On March 17, 2010, the City issued \$14,000,000 of Health Benefit Claims Bond Anticipation Notes. These notes were issued to pay medical, dental, vision and life insurance claims associated with the City's self-insured health benefits program. The City has issued renewal notes annually in 2011, 2012, 2013, 2014, 2015, 2016, semi-annually in 2017, and 2018 to retire portions of the maturing notes. The remaining portions of the maturing notes were retired with funds available in the City's self-insurance fund. The Series 2010 Notes, Series 2011 Notes, Series 2012 Notes, Series 2013 Notes, Series 2014 Notes, Series 2015 Notes, Series 2016 Notes, Series 2017 and 2017A, and Series 2018 and any additional renewal notes, and the Bonds are not general obligations of the City and are not secured by a pledge of the full faith and credit of the City or any revenues of the City other than those specifically anticipated or pledged. The Health Benefit Claims Notes and Bonds are payable solely from the Basic Income Tax revenues of the City. The City expects to retire any additional renewal notes at their maturity from the revenues of the Charged Funds, and the proceeds of renewal notes. The maximum maturity of the Bonds is 20 years from their issuance date. That maximum maturity is reduced by any period of time any renewal notes are outstanding after five Fiscal Years after the Series 2010 Notes were issued.

[Remaining portion of this page intentionally left blank.]

Income Tax Revenue Bond Debt Service and Debt Service Coverage

The following table sets forth past and projected debt service on bonds and other obligations subject to a pledge of and payable from the City's income tax revenues.

	GO BONDS	PENSION BONDS	MEDICAL NOTES	CIVIC GUARANTY	IT BONDS	2018 IT NOTES	FIRSTMERIT CASCADE BONDS	OAQDA BONDS	BOWERY	NON- CLC TOTAL	CLC TOTAL	TOTAL DEBT SERVICE
2017	6,586,774	700,775		898,881	8,918,850	802,426	348,091	552,237		18,808,035	21,992,615	40,800,650
2018	5,891,839	699,175		925,881	9,183,000	3,314,019	348,090	552,235		20,914,239	22,159,841	43,074,080
2019	6,524,689	705,900	200,606	950,006	5,876,800	3,314,019	348,091	552,232	126,905	18,599,248	21,641,542	40,240,790
2020	5,072,357	700,650	200,606	975,019	5,639,550	3,314,019	348,090	552,228	127,112	16,929,632	21,770,805	38,700,437
2021	6,129,470	703,600	200,606	998,025	6,643,400	3,314,019	348,091	552,226	126,538	19,015,976	23,343,743	42,359,718
2022	3,861,780	704,400	200,606	1,028,850	4,633,650	3,314,019	348,090	441,472	126,916	14,659,784	23,101,506	37,761,289
2023	4,143,490	702,950	200,606	1,052,763	4,627,900	3,314,019	348,091	415,402	127,199	14,932,420	22,935,819	37,868,239
2024	3,747,233		200,606	1,084,013	4,625,400	3,314,019	348,090	403,383	127,386	13,850,130	22,774,506	36,624,635
2025	2,298,688		200,606	1,112,013	4,625,650	3,314,019	348,091	391,295	127,478	12,417,839	22,716,569	35,134,408
2026	3,800,420		200,606	1,142,813	4,623,150	3,314,019	348,090	379,139	126,475	13,934,711	22,671,881	36,606,592
2027	2,849,422		200,606	1,243,313	4,120,500	3,314,019	348,091	366,914	127,424	12,570,288	22,386,881	34,957,170
2028	2,829,695		200,606	1,271,813	4,121,050	3,314,019	348,090	354,620	127,230	12,567,122	22,576,644	35,143,766
2029	2,173,250		200,606	1,306,638	4,460,150	3,314,019	348,091		126,940	11,929,694	22,813,950	34,743,644
2030	2,165,940		200,606	1,337,669	4,462,000	3,314,019	348,090		126,555	11,954,879	22,913,475	34,868,354
2031	2,166,640		200,606	1,366,163	4,460,031	3,314,019	348,091		127,075	11,982,624	23,134,775	35,117,399
2032			200,606	1,400,600	4,456,438	3,314,019	348,090		127,451	9,847,204	23,360,275	33,207,479
2033			200,606	1,398,800	2,416,125	3,314,019	348,091		126,685	7,804,326	23,582,475	31,386,801
2034			200,606		2,417,375	3,314,019	348,090		126,823	6,406,913		6,406,913
2035			200,606			3,314,019	174,046		126,818	3,815,489		3,815,489
2036			200,606			3,314,019			126,669	3,641,294		3,641,294
2037			200,606			3,314,019			127,378	3,642,003		3,642,003
2038									126,896	126,896		126,896
2039									127,271	127,271		127,271
2040									126,455	126,455		126,455
2041									126,496	126,496		126,496
2042									127,346	127,346		127,346
2043									126,957	126,957		126,957
2044									127,378	127,378		127,378
2045									126,560	126,560		126,560
2046									126,552	126,552		126,552
2047									127,305	127,305		127,305
2048									126,772	126,772		126,772

(a) Includes bond anticipation notes (see **Debt Table C**).

(b) To date, no payments have been required on any guarantees.

The following table sets forth information on Income Tax Revenues and debt service on bonds, notes, and obligations necessary to determine the applicable coverage requirements related to the Pension Bonds and the CLC Bonds as discussed above.

Income Tax Debt Service Coverage

	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>
Income Tax Revenues(a):	126,265,132	131,388,866	128,429,531	145,700,288
2.00% Income Tax				
0.25% CLC Income Tax	15,238,986	15,613,060	15,291,493	15,844,001
Total Income Tax Revenues	141,504,118	147,001,926	143,721,024	161,544,289
Debt Service(b):				
Highest Non-CLC				
Obligations(c)	19,659,919	20,303,418	21,105,843	19,015,976
Highest Total Debt	40,061,765	43,080,598	43,755,405	42,359,718
Service				
Debt Service Coverage(d):				
CLC Bonds	351%	335%	332%	381%
Pension Bonds(e)	638%	635%	615%	766%

- (a) Annual average for most recent two years (the year indicated at the column heading and the preceding year). See **Municipal Income Tax**. For purposes of this table, the coverage tests are determined as of January 1 of the year following the year indicated.
- (b) Projected highest total debt service; see prior table.
- (c) Based on the highest projected debt service as of the then current year.
- (d) Average income tax revenues divided by highest total debt service. Under the Indenture for the Pension Bonds and the Trust Agreement for the CLC Bonds, the coverage required must be at least 300%.
- (e) Excludes debt service on CLC Bonds and CLC Income Tax Revenues (which are specifically pledged only to CLC Bonds). Since CLC Bond debt service is fully paid from CLC Revenues, it does not impact the coverage for the Pension Bonds; otherwise this coverage would be the same as for the CLC Bonds.

The following table sets forth the debt service and revenue information necessary to determine coverage under the CLC Revenues Coverage Test provided in the Trust Agreement for the CLC Bonds. CLC Revenues Coverage is provided for 2015 through 2018 and projected through 2025 based on current information.

	CLC Bonds	CLC Income	School	Accumulated	CLC
	Debt Service	Tax Revenues	Contribution	CLC	Revenues
Year		(a)		Revenues (a) (b)	Coverage (c)
2015	19,586,941	15,238,983	3,000,000	24,308,901	100%
2016	19,667,241	15,613,060	3,000,000	24,334,396	100%
2017	21,992,615	15,291,493	3,000,000	21,712,949	100%
2018	22,159,841	15,844,001	3,000,000	20,401,299	100%
2019	21,641,542	16,160,881	3,000,000	18,732,372	100%
2020	21,770,805	16,564,903	3,000,000	17,338,204	100%
2021	23,343,743	16,979,026	3,000,000	14,785,221	100%
2022	23,101,506	17,403,501	3,000,000	12,763,661	100%
2023	22,935,819	17,838,589	3,000,000	11,207,587	100%
2024	22,774,506	18,284,554	3,000,000	10,123,502	100%
2025	22,716,569	18,741,667	3,000,000	9,419,178	100%

- (a) Assumes a 2.5% annual increase in years 2019 through 2025. The Trust Agreement for the CLC Bonds permits the projection of annual increases of up to 2.5% per year. (See also **Municipal Income Tax**.) There can be no assurances that the CLC Income Tax Revenues will increase as projected.
- (b) Actual through 2018; estimated for 2019 and thereafter.
- (c) The CLC Revenues, plus, if necessary, an amount of the Accumulated CLC Revenues needed to meet coverage, divided by Bond Service Charges in each year. Under the Trust Agreement for the CLC Bonds, the coverage required in order to issue additional CLC Bonds is at least 100%.

NONTAX REVENUE BONDS

The City issued \$35,000,000 City of Akron Nontax Revenue Economic Development Bonds, Series 1997, dated as of November 1, 1997 (the 1997 Nontax Revenue Bonds), to finance the renovation of the vacant O'Neil's Department Store Building in the central business district into an office/retail/restaurant/entertainment/parking complex. The 1997 bonds were refunded by the \$14,035,000 Nontax Revenue Economic Development Refunding Bonds, Series 2011 issue on December 15, 2011. The City issued \$19,500,000 City of Akron Taxable Economic Development Revenue Bonds, Series 2006, dated December 15, 2006 (the 2006 Nontax Revenue Bonds), to acquire real property and, as applicable, to improve it for sale or lease for economic development purposes in order to create and preserve jobs and employment opportunities. The 2006 bonds were refunded by the 2015 Taxable Economic Development Funding Bonds on November 12, 2015. The City also issued \$20,150,000 Taxable Economic Development Revenue Bonds, Series 2008, dated September 18, 2008, also for economic development purposes. The 2008 bonds were refunded by the \$28,230,000 Series 2014 Nontax Revenue Refunding Bonds on November 25, 2014.

The Nontax Revenue Bonds are special obligations of the City payable from Nontax Revenues (including fees for licenses, fines, interest earnings, and other nontax sources) (see **Nontax Revenues**). They are not general obligation debt of the City. The Nontax Revenue Bonds and any additional bonds (the Additional Bonds) issued under the trust indentures applicable to the Nontax Revenue Bonds (the Indentures) are to be paid by the City from certain pledged nontax revenues. Holders of the Nontax Revenue Bonds do not have a security interest in the City's Nontax Revenues other than those pledged under the respective Indentures, and the City is permitted to and intends to use its Nontax Revenues for other lawful purposes.

The City may, however, only issue Additional Bonds under the Indentures or incur other obligations payable from and secured by a pledge on Nontax Revenues on a parity with those Nontax Revenue Bonds such as the guarantees or other non-tax revenue bonds (the NT Parity Obligations) if the City can demonstrate that the average annual Nontax Revenues for the previous two years, taking into account any rate changes then in effect, have aggregated at least 150% (with respect to the 2011 Nontax Revenue Bonds) or 300% (with respect to the 2014 Nontax Revenue Bonds and the 2015 Nontax Revenue Bonds) of the highest amount of (a) debt service on all outstanding Nontax Revenue Bonds (taking into account, with respect to the 2014 Nontax Revenue Bonds and the 2015 Nontax Revenue Bonds, the amount of Project Revenues, as that term is defined in the respective Indentures for those bonds, available to pay debt service) and (b) required payments on the proposed Additional Bonds or NT Parity Obligations and any outstanding NT Parity Obligations due in any succeeding year.

The following table sets forth the debt service on the Series 2011 Nontax Revenue Bonds, the 2014 Nontax Revenue Bonds, the 2015 Nontax Revenue Bonds, and the non-tax revenue guarantee obligations. The highest amount required for all Nontax Parity Obligations occurs in 2018.

Year	2011 Nontax Revenue Bonds	2014 Nontax Revenue Bonds	2015 Nontax Revenue Bonds	Guarantees(a)	Total Debt Service
2016	2,834,925	2,513,897	414,317	439,445	6,202,584
2017	2,831,625	2,510,210	613,546	610,283	6,565,664
2018	2,832,325	2,508,150	1,690,466	527,060	7,558,001
2019		2,511,520	1,686,416	539,218	4,737,154
2020		2,513,043	1,690,396	587,188	4,790,627
2021		2,508,167	1,694,489	589,931	4,792,587
2022		2,506,625	1,693,336	587,506	4,787,467
2023		2,509,650	1,693,134	584,913	4,787,697
2024		2,512,625	1,694,294	587,206	4,794,125
2025		2,508,188	1,694,569	589,275	4,792,032
2026		2,510,987	1,694,269	586,175	4,791,431
2027		2,510,388		587,906	3,098,294
2028		2,511,937		589,413	3,101,350
2029		383,338		2,079,902	2,463,240
2030		384,562		411,863	796,425
2031		385,075			385,075
2032		384,875			384,875
2033		383,962			383,962
2034		382,338			382,338

(a) The City is not making payments on any of its current guarantee

The following table sets forth information on Nontax Revenues and debt service on bonds and obligations necessary to determine the applicable coverage requirements related to the 2011 Nontax Revenue Bonds, the 2014 Nontax Revenue Bonds and the 2015 Nontax Revenue Bonds.

Nontax Revenue Debt Service Coverage

	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>
Nontax Revenues(a)	\$30,887,815	\$31,558,099	\$38,742,327	\$41,541,775
Debt Service(b)	\$7,558,001	\$7,558,001	\$7,558,001	\$5,502,835
Debt Service Coverage (c) (d)	409%	418%	513%	755%

(a) Annual average for most recent two years. See **Nontax Revenues**.

(b) Projected highest total debt service; see prior table.

(c) Average Nontax Revenues divided by highest total debt service. Under the Indenture for the 2011 Nontax Revenue Bonds, the coverage required must be at least 150%. Under the Indentures for the 2014 Nontax Revenue Bonds and for the 2015 Nontax Revenue Bonds, the coverage required must be at least 300%, but includes any Project Revenues as Nontax Revenues.

(d) Does not include any Project Revenues for the 2014 Nontax Revenue Bonds or the 2015 Nontax Revenue Bonds.

LONG-TERM OBLIGATIONS OTHER THAN BONDS AND NOTES

OWDA, ODOT, ODOD and OPWC Loans

The City has entered into loan agreements with the Ohio Water Development Authority (OWDA), the Ohio Department of Transportation (ODOT), the Ohio Department of Development (ODOD) and the Ohio Public Works Commission (OPWC) for its Water System and Sewer System, for other public improvements and for certain economic development projects. These loan agreements are summarized in the following tables.

[Remaining portion of page intentionally left blank.]

Ohio Water Development Authority Loan Agreements

Agreement Year	Project Number	Outstanding 12/31/18	Annual Principal & Interest Payment	Final Payment
Sept. 30, 1999	OWDA #3246	\$ 150,040	\$ 77,482	Jan. & July 1, 2019-20
May. 25, 2000	OWDA #3326	1,183,706	609,505	Jan. & July 1, 2019-20
Oct. 30, 2008	OWDA #4997 Water	267,826	183,708	Jan. & July 1, 2019-20
Oct. 30, 2008	OWDA #4997 Sewer	267,826	183,708	Jan. & July 1, 2019-20
Jan. 14, 2010	OWDA #5577	644,919	66,077	Jan. & July 1, 2019-30
Nov. 19, 2009	OWDA #5578	108,281	10,704	Jan. & July 1, 2019-30
Dec. 10, 2009	OWDA #5582	83,721	43,391	Jan. & July 1, 2019-20
Dec. 10, 2009	OWDA #5583	56,544	5,794	Jan. & July 1, 2019-30
Mar. 31, 2011	OWDA #5849	616,401	57,881	Jan. & July 1, 2019-32
Feb. 24, 2011	OWDA #5850	1,662,763	159,720	Jan. & July 1, 2019-32
Feb. 24, 2011	OWDA #5851	313,494	30,113	Jan. & July 1, 2019-32
Dec. 8, 2011	OWDA #6079	2,081,425	180,738	Jan. & July 1, 2019-32
Dec. 8, 2011	OWDA #6080 Water	1,523,314	128,546	Jan. & July 1, 2019-33
Dec. 8, 2011	OWDA #6080 Sewer	1,523,313	128,546	Jan. & July 1, 2019-33
Dec. 8, 2011	OWDA #6081	662,623	59,281	Jan. & July 1, 2019-32
Dec. 8, 2011	OWDA #6098	362,299	33,064	Jan. & July 1, 2019-32
Oct. 27, 2011	OWDA #6108	18,010,155	1,476,573	Jan. & July 1, 2019-33
Oct. 27, 2011	OWDA #6109	968,086	81,975	Jan. & July 1, 2019-33
Oct. 27, 2011	OWDA #6110	741,619	64,613	Jan. & July 1, 2019-32
May. 31, 2012	OWDA #6203	164,310	166,520	Jan. & July 1, 2019
Jun. 28, 2012	OWDA #6280	854,810	66,244	Jan. & July 1, 2019-33
Dec. 6, 2012	OWDA #6402	444,883	453,041	Jan. & July 1, 2019
Mar. 28, 2013	OWDA #6414	4,108,486	328,877	Jan. & July 1, 2019-34
May. 30, 2013	OWDA #6483	1,777,613	144,597	Jan. & July 1, 2019-33
Jun. 27, 2013	OWDA #6484	2,419,325	177,437	Jan. & July 1, 2019-34
Jun. 27, 2013	OWDA #6486	600,028	44,008	Jan. & July 1, 2019-34
Aug. 29, 2013	OWDA #6510	5,345,368	412,059	Jan. & July 1, 2019-35
Sep. 26, 2013	OWDA #6550	110,506	14,345	Jan. & July 1, 2019-21
Oct. 31, 2013	OWDA #6578	68,213	70,055	Jan. & July 1, 2019
Oct. 31, 2013	OWDA #6579	409,724	283,014	Jan. & July 1, 2019-20
Dec. 12, 2013	OWDA #6613	664,616	49,985	Jan. & July 1, 2019-35
Jan. 30, 2014	OWDA #6664	1,218,472	101,292	Jan. & July 1, 2019-34
Jan. 30, 2014	OWDA #6665	411,226	76,961	Jan. & July 1, 2019-24
Feb. 27, 2014	OWDA #6686	1,985,873	161,277	Jan. & July 1, 2019-35
Feb. 27, 2014	OWDA #6688	8,941,012	725,050	Jan. & July 1, 2019-35
Jan. 30, 2014	OWDA #6692	216,296	221,794	Jan. & July 1, 2019
Jan. 30, 2014	OWDA #6693	166,908	171,151	Jan. & July 1, 2019
Apr. 24, 2014	OWDA #6722	2,385,053	251,070	Jan. & July 1, 2019-36
Apr. 24, 2014	OWDA #6723	1,258,382	103,002	Jan. & July 1, 2019-34
Jun. 26, 2014	OWDA #6776	8,774,851	645,111	Jan. & July 1, 2019-36
Jun. 26, 2014	OWDA #6790	12,058,156	1,211,115	Jan. & July 1, 2019-36
Aug. 28, 2014	OWDA #6817	5,549,072	430,455	Jan. & July 1, 2019-35
Feb. 26, 2015	OWDA #6948	3,275,156	305,621	Jan. & July 1, 2019-36
Feb. 26, 2015	OWDA #6949	17,186,903	1,135,429	Jan. & July 1, 2019-38

Ohio Water Development Authority Loan Agreements (continued)

Agreement Year	Project Number	Outstanding 12/31/18	Annual Principal & Interest Payment	Final Payment
Apr. 30, 2015	OWDA #7003	15,682,842	5,414,888	Jan. & July 1, 2019-21
May. 28, 2015	OWDA #7012	807,232	24,399	Jan. & July 1, 2019-36
May. 28, 2015	OWDA #7014	10,880,814	755,147	Jan. & July 1, 2019-36
May. 28, 2015	OWDA #7016	24,046,834	1,953,390	Jan. & July 1, 2019-38
Jun. 25, 2015	OWDA #7040	795,855	50,249	Jan. & July 1, 2019-36
Jul. 30, 2015	OWDA #7071	3,781,603	344,451	Jan. & July 1, 2019-36
Aug. 27, 2015	OWDA #7089	4,696,961	366,877	Jan. & July 1, 2019-37
Sept. 24, 2015	OWDA #7116	1,440,060	93,529	Jan. & July 1, 2019-36
Oct. 29, 2015	OWDA #7153	2,679,355	144,881	Jan. & July 1, 2019-37
Oct. 29, 2015	OWDA #7154	188,828,727	-	Jan. & July 1, 2020-49
Oct. 29, 2015	OWDA #7155	373,041	23,544	Jan. & July 1, 2019-35
Dec. 10, 2015	OWDA #7214	2,777,932	348,955	Jan. & July 1, 2019-37
Dec. 10, 2015	OWDA #7215	3,620,238	277,781	Jan. & July 1, 2019-37
Dec. 10, 2015	OWDA #7216	1,151,070	84,851	Jan. & July 1, 2019-36
Jan. 28, 2016	OWDA #7234	557,330	145,534	Jan. & July 1, 2019-26
Feb. 25, 2016	OWDA #7267	4,644,279	215,981	Jan. & July 1, 2019-47
Mar. 31, 2016	OWDA #7282	19,878,948	889,354	Jan. & July 1, 2019-48
Jun. 30, 2016	OWDA #7409	935,658	53,253	Jan. & July 1, 2019-47
Jun. 30, 2016	OWDA #7410	19,163,049	952,340	Jan. & July 1, 2019-48
Jun. 30, 2016	OWDA #7411	11,544,732	632,394	Jan. & July 1, 2019-48
Aug. 25, 2016	OWDA #7455	1,331,113	125,442	Jan. & July 1, 2019-37
Aug. 25, 2016	OWDA #7460	1,418,744	59,692	Jan. & July 1, 2019-47
Aug. 25, 2016	OWDA #7461	38,024,938	-	Jan. & July 1, 2020-49
Aug. 25, 2016	OWDA #7462	5,067,854	118,218	Jan. & July 1, 2019-48
Sep. 29, 2016	OWDA #7494	3,586,948	208,645	Jan. & July 1, 2019-48
Apr. 27, 2017	OWDA #7647	13,009,285	-	Jan. & July 1, 2019-24
Apr. 27, 2017	OWDA #7648	1,836,263	451,737	Jan. & July 1, 2019-23
Apr. 27, 2017	OWDA #7649	1,939,072	236,337	Jan. & July 1, 2019-23
Apr. 27, 2017	OWDA #7650	461,272	45,675	Jan. & July 1, 2019-31
May. 25, 2017	OWDA #7699	1,983,799	-	Jan. & July 1, 2019-24
May. 25, 2017	OWDA #7700	1,008,127	234,282	Jan. & July 1, 2019-23
May. 25, 2017	OWDA #7704	20,441,806	564,121	Jan. & July 1, 2019-63
Jun. 29, 2017	OWDA #7743	1,446,697	139,081	Jan. & July 1, 2019-48
Apr. 26, 2018	OWDA #8035	286,468	33,270	Jan. & July 1, 2019-29
Jun. 28, 2018	OWDA #8156	2,803	4,530	Jan. & July 1, 2019-39
Jul. 26, 2018	OWDA #8161	3,842	3,842	Jan. & July 1, 2019-39
Sep. 27, 2018	OWDA #8243	\$ 35,545	\$ -	Jan. & July 1, 2019-39
Total OWDA		\$ 521,794,733	\$ 26,327,599	

ODSA
Ohio Development Services Agency

<u>Agreement Year</u>	<u>Project Name</u>	<u>Outstanding 12/31/2018</u>	<u>Annual Principal & Interest Payment</u>	<u>Final Payment</u>
Mar. 31, 2011	Goodyear Akron Riverwalk Project	\$ 4,265,000	\$ 404,219	Jun. 1, 2019-2030
	TOTAL ODOD LOANS	\$ 4,265,000	\$ 404,219	

[Remaining portion of this page intentionally left blank.]

OPWC LOANS
Ohio Public Works Commission Loan Agreement

Agreement Year	Project Number	Outstanding 12/31/17	Annual Principal & Interest Payment	Final Payment
July 1, 1996	OPWC #CH006	\$ 68,044	\$ 45,363	Jan. & July 1, 2019-20
July 1, 2006	OPWC #CH04J(CIP)	543,400	49,400	Jan. & July 1, 2019-29
July 1, 1999	OPWC #CH05C(CIP)	104,738	29,925	Jan. & July 1, 2019-22
July 1, 2000	OPWC #CH05D	268,500	44,750	Jan. & July 1, 2019-24
July 1, 2005	OPWC #CH05I(CIP)	28,350	2,700	Jan. & July 1, 2019-29
Aug. 4, 2010	OPWC #CH05N(CIP)	112,916	4,261	Jan. & July 1, 2019-45
July 1, 2000	OPWC #CH06D(CIP)	24,400	6,100	Jan. & July 1, 2019-22
July 1, 2003	OPWC #CH06G(CIP)	325,013	43,335	Jan. & July 1, 2019-26
Nov. 28, 2008	OPWC #CH06M(CIP)	142,703	6,204	Jan. & July 1, 2019-41
Oct. 11, 2011	OPWC #CH06N(CIP)	527,467	22,933	Jan. & July 1, 2019-41
July 1, 2000	OPWC #CH07D(CIP)	108,122	21,624	Jan. & July 1, 2019-23
July 1, 1998	OPWC #CH08B(CIP)	101,400	50,700	Jan. & July 1, 2019-20
July 1, 2000	OPWC #CH08D(CIP)	66,302	16,576	Jan. & July 1, 2019-22
July 1, 2001	OPWC #CH08E(CIP)	226,542	41,189	Jan. & July 1, 2019-24
July 1, 2005	OPWC #CH08I(CIP)	358,228	37,708	Jan. & July 1, 2019-28
Mar. 13, 2009	OPWC #CH08M(CIP)	288,897	12,840	Jan. & July 1, 2019-41
July 1, 1997	OPWC #CH09A	74,375	29,750	Jan. & July 1, 2019-21
July 1, 1998	OPWC #CH09B(CIP)	183,400	33,345	Jan. & July 1, 2019-24
July 1, 1999	OPWC #CH09C(CIP)	42,839	12,240	Jan. & July 1, 2019-22
July 1, 2006	OPWC #CH09J(CIP)	82,980	9,220	Jan. & July 1, 2019-27
July 1, 2008	OPWC #CH09L(CIP)	700,679	26,441	Jan. & July 1, 2019-45
Nov. 28, 2008	OPWC #CH09M(CIP)	468,239	19,510	Jan. & July 1, 2019-42
July 1, 1999	OPWC #CH10C(CIP)	43,875	14,625	Jan. & July 1, 2019-21
July 1, 2005	OPWC #CH10I	73,066	9,133	Jan. & July 1, 2019-26
July 1, 2006	OPWC #CH10J(CIP)	458,700	41,700	Jan. & July 1, 2019-29
July 1, 2005	OPWC #CH11I(CIP)	798,150	93,900	Jan. & July 1, 2019-27
July 1, 1995	OPWC #CH903	\$ 51,208	\$ 51,208	Jan. & July 1, 2019
Total OPWC		\$ 6,272,533	\$ 776,680	

Where applicable, the payments under these loan agreements are required to be made from revenues of the appropriate system after payment of operation and maintenance expenses of the system and the requirements of any revenue bonds issued for that system. The loan agreements grant no security or property interest to the OWDA or the OPWC in any property of the City, and do not pledge the general credit of the City, or create a debt subject to the direct or indirect debt limitations, or require the application of the general resources of the City for repayment. All of the OPWC loans are interest-free.

Certificates of Participation

Canal Park Baseball Stadium Project. In November 2013, the City issued \$14,910,000 Taxable Refunding Certificates of Participation, Series 2013 (the Series A 2013 Stadium COPs), to advance refund the outstanding principal amount of the Series 2005 Stadium COPs. In July 2005, the City issued \$32,065,000 Refunding Certificates of Participation, Series 2005 (the Series 2005 Stadium COPs), to advance refund the outstanding principal amount of a prior issue of Certificates of Participation dated November 7, 1996. Those original COPs were issued as part of the funding for the Canal Park Stadium. In December of 2013, the City issued \$2,365,000 Taxable Certificates of Participation, Series 2013 (the Series B 2013 Stadium COPs). The Series B 2013 Stadium COPs were issued to pay costs associated with improvements made to the Canal Park Stadium. The Series A & B 2013 Stadium COPs evidence the owners' proportionate interest in the rent to be paid by the City under an amended lease-purchase agreement (the Amended Lease). The obligations of the City under the Amended Lease, including making rental payments, are subject to and dependent upon annual appropriations by the City. The City's obligation to make rental payments does not constitute a debt of the City within the meaning of any constitutional or statutory limitation. The City has made such an appropriation for each fiscal year from 1997 through 2018. The rental payments for the Series A 2013 Stadium COPs continue through 2021. The remaining aggregate principal component is \$11,385,000 and the average annual payment over the life of the Series A 2013 Stadium COPs is approximately \$2.11 million. The rental payments for the Series B 2013 Stadium COPs continue through 2023. The remaining aggregate principal component is \$1,935,000 and the average annual payment over the life of the Series B 2013 Stadium COPs is approximately \$284,386.

Parking Facilities Project. In September 2005, the City issued \$31,940,000 Certificates of Participation, Series 2005-A (the Series 2005-A Parking COPs), to finance and refinance the costs of constructing and equipping various municipal off-street parking facilities, including parking decks, garages and surface parking lots. As part of this financing, the Series 2005-A Parking COPs refunded \$21,820,000 of outstanding general obligation bonds and notes of the City previously issued to fund municipal parking facilities. The Series 2005-A Parking COPs evidence the owners' proportionate interest in the rent to be paid by the City under a lease-purchase agreement (the Lease). In December 2007, the City issued \$19,610,000 Certificate of Participation, Series 2007 (the Series 2007 Parking COPs, and together with the Series 2005-A Parking COPs, the Parking COPs), to finance the costs of constructing and equipping certain municipal off-street parking facilities. The Series 2007 Parking COPs were issued as additional obligations under the Lease pursuant to a First Supplement Lease Purchase Agreement. The obligations of the City under the Lease, including making rental payments, are subject to and dependent upon annual appropriations by the City. The City's obligation to make these rental payments does not constitute a debt of the City within the meaning of any constitutional or statutory limitation. The City has made such an appropriation for each fiscal year from 2006 through 2018. Income Tax Revenue Bonds dated November 12, 2015 were issued to refund both the 2005 and 2007 parking COPS in the aggregate principal amount of \$ 31,410,000.

Akron District Energy Project. On November 3, 2010, the City issued \$13,200,000 Certificates of Participation (the "Energy COPs") to finance improvements to its district energy system consisting of a steam, hot water, and chilled water distribution system, a steam power plant, and a chilled water production unit currently operated by Akron Energy Systems LLC ("AES"). In connection with the Energy COPs, the City entered into a Financing Agreement with AES. Under the Financing Agreement, the City agreed to make payments to AES, subject to and dependent upon annual appropriations by the City, in amount sufficient to pay to principal and interest on the certificates when due. The City's obligation to make payments under the

Financing Agreement does not constitute a debt of the City within the meaning of any constitutional or statutory limit. The Lease, and the payments there-under, continue through 2030. The remaining aggregate principal component is \$11,360,000, and the average annual payment over the life of the Energy COPs is approximately \$1.1 million. In October 2016, the City issued \$ 11,965,000 Certificates of Participation (Akron Energy COPS) to finance improvements to the district system which include a new chill plant, purchase of rental boilers, condensation return, as well as other remedial projects. The average annual payment is \$ 717,653 through 2041.

Other Obligations

The City has a lease with the Ohio Department of Administrative Services for space in the Ocasek Government Office Building. The operations and maintenance fees for 2019 increased to \$416,487 annually from \$265,212 in 2018 and the lease has an annual option to renew. This space is being used for City offices. Due to consolidation of City operations from other offices, space occupied by the City in Ocasek increased in 2017 and 2018.

The City and County have entered into a prisoner housing agreement under which the County houses certain prisoners for the City in the County Jail. The City's annual payments previously included an amount to pay debt service on a portion of the County's bonds issued to construct and improve its jail facilities, however 2015 was the final year of debt service. The City's payment in 2018 was \$4,441,382.83. The agreement continues until 2023 with an option to extend for four additional terms of five years each.

The City also has the following 4 leases for vehicles and equipment used by the Department of Public Service.

2015 Street Sweepers— 5 year lease with US Bancorp Public Leasing for the purchase of 4 street sweepers for the Department of Public Service. Annual payments of \$120,498 began on February 2, 2015 and end on February 2, 2020.

2017 Street Sweepers— 4 year lease with US Bancorp Public Leasing for the purchase of 3 street sweepers for the Department of Public Service. Annual payments of \$107,334 began on June 30, 2017 and end on June 30, 2021.

2018 Sewer Cleaning Truck – 5 year lease with PNC Equipment Finance for the purchase of 1 sewer cleaning truck for the Department of Public Service. Annual lease payments of \$57,387 began on October 15, 2018 and end on October 15, 2023.

2018 Street Sweepers – 5 year lease with PNC Equipment Finance for the purchase of 2 street sweepers for the Department of Public Service. Annual payments of \$73,849 began on December 10, 2018 and end on September 10, 2023.

The City has no other long-term financial obligations, other than the bonds and notes and other obligations described above.

RETIREMENT OBLIGATIONS

Present and retired employees of the City are covered under two statewide public retirement (including disability retirement) systems. The Ohio Police and Fire Pension Fund (OPF) covers uniformed members of the police and fire departments. All other eligible City employees are covered by the Ohio Public Employees Retirement System (OPERS).

Employees covered by OPERS contribute at a statutory rate of 10% of earnable salary or compensation. The City's current employer contribution rate is 14.00%. The City reports a net pension liability (excluding health care) of \$68.9 million at December 31, 2018.

OP&F-covered employees contribute at a statutory rate of 10% of gross earnings. The City contributes at rates (actuarially established and fixed by the OP&F Board), applying to earnable salary or compensation, of 19.5% for police personnel and 24% for fire personnel. The City reports, at December 31, 2018, a net pension liability of \$ 160.6 million. In 1999, the City issued Income Tax Revenue Bonds to refund the City's obligation for its unfunded accrued liability, which was determined in 1967 when this Statewide system was established (see **Income Tax Revenue Bonds**).

Federal law requires City employees hired after March 31, 1986 to participate in the federal Medicare program, which requires matching employer and employee contributions, each being 1.45% of the wage base. Otherwise, City employees who are covered by a State retirement system are not currently covered under the federal Social Security Act.

The City's current employer contributions to OPERS and OPF have been treated as current expenses and included in the City's operating expenditures, except to the extent paid from the proceeds of the "Police and Fire Pension" levy referred to above under **Tax Rates**.

OP&F and OPERS are not subject to the funding and vesting requirements of the federal Employee Retirement Income Security Act of 1974. Both OP&F and OPERS are created by and operate pursuant to Ohio law. The General Assembly could determine to amend the format of either fund and could revise rates or methods of contributions to be made by the City into the pension funds and revise benefits or benefit levels.

In addition to the post-retirement benefits provided by OP&F and OPERS, the City provides post-retirement health care and life insurance benefits, in accordance with union agreements and City Council ordinances, for retired employees. Substantially all of the City's employees may become eligible for those benefits if they reach normal retirement age while working for the City. As of December 31, 2018, approximately 2,268 retirees, ~~not~~ including spouses, met those eligibility requirements. The City pays 100% of the cost of health care and life insurance benefits. These benefits are financed on a pay-as-you go basis; as such, the cost of retiree health care and life insurance benefits is recognized as expenditure/expense as claims are incurred. For 2018, those costs totaled \$3,716,745.

LEGAL MATTERS

LITIGATION

The City is a party to various legal proceedings seeking damages or injunctive or other relief and generally incidental to its operations. These proceedings are unrelated to any outstanding City debt, or the security therefore, or the permanent improvements being financed. The ultimate disposition of these proceedings is not now determinable, but will not, in the opinion of the City Director of Law, have a material adverse effect on any outstanding City debt, or the security therefore, or those improvements.

Under current Ohio law, City money, accounts and investments are not subject to attachment to satisfy tort judgments in State courts against the City.

The City has been self-insured for liability coverage for non-auto-related incidents since 1985. The City has secured traditional insurance for other types of coverage, such as property insurance, airport liability, employee life, auto liability, and boiler and machinery coverage. The City is assisted in its insurance program by an independent consulting firm that writes no insurance, but has expertise in the insurance industry. The City relies on the advice provided by the consultant in securing any insurance.

BOND COUNSEL

The City has retained the legal services of Squire, Sanders & Dempsey LLP, Vorys, Sater, Seymour and Pease LLP, and Roetzel & Andress Co. L.P.A. as bond counsel in connection with the issuance of certain bonds, notes and other obligations of the City. Legal matters incident to the issuance of that debt and with regard to the tax-exempt status of the interest are subject to the respective legal opinions of those bond counsel.

RATINGS

The City's general obligation bonds are rated "AA-" by Standard & Poor's Ratings Services, "AA-" by Fitch Ratings and "Aa3" by Moody's Investors Service, Inc.

The ratings reflect only the respective views of the rating services, and any explanation of the meaning or significance of the ratings may be obtained only from the respective rating service. The City furnished to each rating service certain information and materials, some of which may not have been included in this Annual Statement, relating to the outstanding obligations and the City. Generally, rating services base their ratings on such information and materials and on their own investigation, studies, and assumptions. There can be no assurance that a rating when assigned will continue for any given period of time or that it will not be lowered or withdrawn entirely by a rating service if in its judgment circumstances so warrant. Any lowering or withdrawal of a rating may have an adverse effect on the marketability or market price of the outstanding obligations. The City may issue debt for which a rating is not requested. Failure to furnish requested information and materials, or the issuance of debt for which a rating is not requested, may result in the suspension or withdrawal of a rating on outstanding obligations.

CONCLUDING STATEMENT

To the extent that any statements made in this Annual Statement involve matters of opinion or estimates, whether or not expressly stated to be such, they are made as such and not as representations of fact or certainty and no representation is made that any of those statements have been or will be realized. Information in this Annual Statement has been derived by the City from official and other sources and is believed by the City to be accurate and reliable. Information other than that obtained from official records of the City has not been independently confirmed or verified by the City and its accuracy is not guaranteed.

This Annual Statement has been prepared and delivered by the City and signed for and on behalf of the City by its Director of Finance in her official capacity.

CITY OF AKRON, OHIO

Dated: August 15, 2019

By: /s/ Diane Miller-Dawson
Director of Finance

APPENDIX A-1

Comparative Summary of General Fund Receipts 2014 through 2018 and Budgeted 2019

<u>Source</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>Budgeted 2019</u>
Taxes:						
Real Estate & Public Utility	16,810,051	16,661,431	16,520,330	16,978,137	17,816,527	17,883,960
Local Government	6,500,339	6,857,604	6,374,150	6,245,598	6,429,000	6,470,260
Estate (Inheritance)	655,451	427,551	152,156	28,113	-	-
Casino	3,252,129	3,141,607	3,205,253	3,151,888	3,233,834	3,249,670
Charges for Services:						
General Government Revenue	557,618	634,402	468,954	521,862	993,990	823,670
Service Revenues	25,454,885	28,952,450	28,832,897	29,392,607	30,168,662	32,249,880
Interfund Transfer:	-	-	-	-		
Licenses, Permits & Inspections:	3,227,394	2,688,603	2,602,960	2,978,425	2,969,012	3,051,150
Other Receipts:						
JEDD Revenues	4,074,900	1,861,400	4,321,500	3,986,300	2,381,000	4,000,000
Miscellaneous	3,485,308	2,769,231	7,508,620	17,394,928	5,087,078	2,382,950
Investment Earnings	15,802	13,355	14,979	1,132,237	2,241,796	1,500,000
Income Tax Collection	87,913,900	88,972,400	91,357,748	89,215,191	94,429,509	96,318,100
Total Receipts	151,947,777	152,980,034	161,359,547	171,025,286	165,750,408	167,929,640
Balance January 1	5,374,699	5,239,362	5,187,664	5,401,932	9,852,856	9,884,991
Total Receipts and Balance	157,322,476	158,219,396	166,547,211	176,427,218	175,603,264	177,814,631

(a) Amounts have been amended for accuracy

APPENDIX A-2
Comparative Summary of General Fund Expenditures 2014 through 2018 and Appropriated 2019

<u>Source</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>Appropriated 2019</u>
Legislative:						
Council	930,031	925,437	975,268	963,127	1,008,213	1,054,560
Council Clerk's Office	310,472	357,264	308,614	390,974	307,765	316,090
Total Legislative	1,240,503	1,282,701	1,283,882	1,354,101	1,315,978	1,370,650
Judicial:						
Municipal Court - Judges	4,323,541	4,314,937	4,404,916	4,800,573	4,837,808	5,066,810
Court Clerk's Office	3,567,676	3,581,199	3,581,210	3,801,445	3,877,176	4,044,170
Total Judicial	7,891,217	7,896,136	7,986,126	8,602,018	8,714,984	9,110,980
Law Enforcement:						
Law Director's Office	3,612,007	3,235,894	3,434,033	3,692,466	3,833,148	4,081,250
Indigent Defense	424,301	366,750	440,250	414,000	415,200	484,000
Total Law Enforcement	4,036,308	3,602,644	3,874,283	4,106,466	4,248,348	4,565,250
Commissions and Executive:						
Planning	1,239,004	1,260,471	1,178,699	1,125,055	1,234,953	1,045,560
Civil Service Commission	880,414	813,816	1,059,468	1,072,404	1,084,575	1,254,740
Mayor's Office	2,096,285	2,061,352	2,724,795	3,024,294	2,985,443	2,885,670
Total Commissions and Executive	4,215,703	4,135,639	4,962,962	5,221,753	5,304,971	5,185,970
Finance Department:						
Director's Office and Budget						
Management	262,810	265,209	431,446	709,005	1,276,630	668,720
Purchasing	1,760,631	1,762,815	1,815,124	1,588,523	1,540,967	1,598,000
Accounting, Payroll and Audit	1,185,140	1,130,815	1,314,686	1,256,839	1,915,228	1,445,090
Treasury	6,522	61,688	4,193	4,423	39,500	5,900
City-Wide Other Expense(a)	4,011,185	3,392,492	3,665,160	2,852,474	3,877,998	2,683,710
Total Finance Department	7,226,288	6,613,019	7,230,609	6,411,264	8,650,323	6,401,420
Subtotal for General Government	24,610,019	23,530,139	25,337,862	25,695,602	28,234,604	26,634,270

APPENDIX A-2
Comparative Summary of General Fund Expenditures 2014 through 2018 and Appropriated 2019

<u>Source</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>Appropriated 2019</u>
Safety Department:						
Police	51,424,851	50,984,316	54,414,495	57,211,827	55,226,300	56,926,570
Corrections	8,125,479	7,849,569	8,850,874	7,913,924	7,071,710	7,088,000
Fire	28,690,134	30,952,766	32,843,589	36,285,578	36,035,344	37,058,950
Communications	1,394,201	988,113	1,003,124	740,379	1,024,109	1,067,160
Combined Dispatch Center	2,787,856	4,485,882	4,769,970	4,998,224	5,145,309	5,777,670
Inspection-Building	67,588	131,680	253,551	105,520	17,586	80,400
Inspection-Weights & Measures	52,166	56,160	53,428	58,786	52,451	60,000
Disaster Services	560	272	230	4,394	184	300
Total Safety Department	92,542,836	95,448,758	102,189,261	107,318,632	104,572,993	108,059,050
Health Department:						
Health Consolidated	4,540,071	4,188,568	4,251,912	4,199,787	4,340,973	4,279,960
Total Health Department	4,540,071	4,188,568	4,251,912	4,199,787	4,340,973	4,279,960
Service Department:						
Service Director's Office	618,499	309,215	175,383	160,917	132,752	129,020
Customer Service	1,123,184	855,861	1,026,522	1,063,066	1,069,772	1,174,790
Customer Service Call Center	584,432	581,383	581,194	554,511	587,767	641,310
Plan Center	137,690	146,952	168,160	293,192	282,448	459,770
Street Lighting	-	15,539	-	8,059	-	-
Building Maintenance	3,678,220	3,930,389	4,130,983	3,857,996	3,942,290	4,366,700
Airport	195,022	290,000	135,000	200,000	382,000	-
Parks Maintenance	3,498,712	3,371,648	3,599,693	3,720,226	3,526,321	3,747,930
Steam System	1,577,000	900,000	170,000	10,000	-	-
Recreation & Zoo	4,129,392	4,376,105	3,964,926	4,359,910	4,190,472	4,114,300
Sanitation Service & Landfill	10,427,963	10,678,806	10,894,536 (a)	10,014,163 (a)	9,315,275	9,410,710
Highway Maintenance	1,591	81	61	460,000	-	-
Sewer Maintenance	43,889	45,720	56,060	66,398	59,550	61,130
Public Works Administration	501,090	438,788	446,086	458,507	1,078,831	534,480
Recycling	1,421,828	1,463,905	1,525,781	1,363,094	1,384,062	1,386,730
Engineering Services	-	-	-	105	-	-
Off Street Parking	-	-	-	420,000	300,000	150,000
Housing	1,061,056	1,082,496	1,074,623	1,055,568	1,030,597	1,039,120
Traffic Engineering	1,123,239	1,111,233	1,131,585	997,479	992,634	1,283,130
Neighborhood Assistance	267,381	266,146	285,651	297,150	294,932	291,890
Total Service Department	30,390,188 (a)	29,864,267	29,366,244	29,360,341	28,569,703	28,791,010
Total General Fund Expenditures	152,083,114 (a)	153,031,732	161,145,279	166,574,362	165,718,273	167,764,290

(a) Amounts have been amended for accuracy.

APPENDIX B

Cash Basis Financial Statement Summary for 2013 through 2018

FISCAL YEAR 2013

<u>Funds</u>	<u>Balance at Beginning</u>	<u>Receipts</u>	<u>Expenditures</u>	<u>Balance at Close</u>
General Fund	\$5,121,661.78	\$158,259,428.40	\$158,006,391.04	\$5,374,699.14
Special Revenue Fund	35,367,062.92	173,858,959.58	159,265,789.73	49,960,232.77
Debt Service Fund	8,273,271.08	130,836,929.01	133,833,250.11	5,276,949.98
Capital Projects Fund.....	2,346,280.71	28,217,748.51	20,444,364.11	10,119,665.11
Enterprise Fund	12,844,230.77	126,825,906.17	120,834,832.24	18,835,304.70
Internal Service Fund.....	9,964,012.32	52,681,894.56	51,640,043.87	11,005,863.01
Trust & Agency Fund.....	<u>98,280.66</u>	<u>116,847.63</u>	<u>38,622.14</u>	<u>176,506.15</u>
Total	<u>74,014,800.24</u>	<u>670,797,713.86</u>	<u>644,063,293.24</u>	<u>100,749,220.86</u>

- (a) Deficit a result of capital expenditures on numerous projects for which long-term debt had not yet been issued and delays in reimbursement of City's portion of project costs from Special Revenue Fund until completion of various special assessment projects.

FISCAL YEAR 2014

<u>Funds</u>	<u>Balance at Beginning</u>	<u>Receipts</u>	<u>Expenditures</u>	<u>Balance at Close</u>
General Fund	5,374,699.14	151,947,776.66	152,083,113.61	5,239,362.19
Special Revenue Fund	49,960,232.77	171,568,360.87	171,380,577.23	50,148,016.41
Debt Service Fund	5,276,949.98	288,437,026.89	289,103,760.86	4,610,216.01
Capital Projects Fund.....	10,119,665.11	25,085,853.13	26,789,817.90	8,415,700.34
Enterprise Fund	18,835,304.70	131,704,503.44	127,940,001.32	22,599,806.82
Internal Service Fund.....	11,005,863.01	59,296,979.60	57,563,144.23	12,739,698.38
Trust & Agency Fund.....	<u>176,506.15</u>	<u>24,375.34</u>	<u>46,670.22</u>	<u>154,211.27</u>
Total	<u>100,749,220.86</u>	<u>828,064,875.93</u>	<u>824,907,085.37</u>	<u>103,907,011.42</u>

- (a) Deficit a result of capital expenditures on numerous projects for which long-term debt had not yet been issued and delays in reimbursement of City's portion of project costs from Special Revenue Fund until completion of various special assessment projects.

FISCAL YEAR 2015

<u>Funds</u>	<u>Balance at Beginning</u>	<u>Receipts</u>	<u>Expenditures</u>	<u>Balance at Close</u>
General Fund	5,239,362.19	152,980,034.21	153,031,732.38	5,187,664.02
Special Revenue Fund	50,148,016.41	166,515,390.90	166,791,800.12	49,871,607.19
Debt Service Fund	4,610,216.01	148,904,149.55	150,580,376.30	2,933,989.26
Capital Projects Fund.....	8,415,700.34	13,490,149.95	16,738,305.08	5,167,545.21
Enterprise Fund	22,599,806.82	171,164,589.95	152,004,795.34	41,759,601.43
Internal Service Fund.....	12,739,698.38	54,349,534.31	56,333,256.87	10,755,975.82
Trust & Agency Fund	154,211.27	74,884.39	79,232.26	149,863.40
Total	103,907,011.42	707,478,733.26	695,559,498.35	115,826,246.33

FISCAL YEAR 2016

<u>Funds</u>	<u>Balance at Beginning</u>	<u>Receipts</u>	<u>Expenditures</u>	<u>Balance at Close</u>
General Fund	5,187,664.02	161,359,547.00	161,145,279.00	5,401,932.02
Special Revenue Fund	49,871,607.19	168,938,478.00	171,642,197.00	47,167,888.19
Debt Service Fund	2,933,989.26 (a)	144,019,894.00 (a)	143,710,229.00 (a)	3,243,654.26 (a)
Capital Projects Fund	5,167,545.21	13,520,828.00	14,764,677.00	3,923,696.21
Enterprise Fund	41,759,601.43	157,815,714.00	135,159,635.00	64,415,680.43
Internal Service Fund	10,755,975.82	53,468,769.00	58,845,371.00	5,379,373.82
Trust & Agency Fund	149,863.40	1,086,035.00	283,792.00	952,106.40
Total	115,826,246.33	700,209,265.00 (a)	685,551,180.00 (a)	130,484,331.33 (a)

FISCAL YEAR 2017

<u>Funds</u>	<u>Balance at Beginning</u>	<u>Receipts</u>	<u>Expenditures</u>	<u>Balance at Close</u>
General Fund.....	5,401,932.00	171,025,286.00	166,574,362.00	9,852,856.00
Special Revenue Fund	47,167,889.00	183,050,517.00	181,079,698.00	49,138,708.00
Debt Service Fund	3,243,654.00	156,645,568.00	156,404,131.00	3,485,091.00
Capital Projects Fund	3,923,696.00	12,875,812.00	13,008,259.00	3,791,249.00
Enterprise Fund	64,415,680.00	182,350,270.00	148,449,828.00	98,316,122.00
Internal Service Fund	5,379,374.00	58,587,422.00	57,802,318.00	6,164,478.00
Trust & Agency Fund	952,106.00	432,216.00	295,873.00	1,088,449.00
Total	<u>130,484,331.00</u>	<u>764,967,091.00</u>	<u>723,614,469.00</u>	<u>171,836,953.00</u>

FISCAL YEAR 2018

<u>Funds</u>	<u>Balance at Beginning</u>	<u>Receipts</u>	<u>Expenditures</u>	<u>Balance at Close</u>
General Fund.....	9,852,856.00	165,750,408.00	165,718,273.00	9,884,991.00
Special Revenue Fund	49,138,708.00	199,991,127.00	199,737,455.00	49,392,380.00
Debt Service Fund	3,485,091.00	140,102,944.00	140,161,433.00	3,426,602.00
Capital Projects Fund	3,791,249.00	16,593,690.00	16,000,768.00	4,384,171.00
Enterprise Fund	98,316,122.00	147,505,532.00	138,565,743.00	107,255,911.00
Internal Service Fund	6,164,478.00	57,357,246.00	55,169,519.00	8,352,205.00
Trust & Agency Fund	1,088,449.00	497,791.00	328,675.00	1,257,565.00
Total	<u>171,836,953.00</u>	<u>727,798,738.00</u>	<u>715,681,866.00</u>	<u>183,953,825.00</u>

APPENDIX C

CUSIP Numbers* for City of Akron Bonds, Notes and Other Obligations

* Final maturity of the issue.

2009

Name	Amount	Date	CUSIP #
Waterworks System Mortgage Revenue Improvement & Refunding Bonds, Series 2009	\$22,100,000	September 17, 2009	010122 KB4

2010

Name	Amount	Date	CUSIP #
Community Learning Centers Income Tax Revenue Bonds, Series 2010A	\$17,880,000	July 28, 2010	010056 CP2
Community Learning Centers Income Tax Revenue Bonds, Series 2010B	\$12,060,000	July 28, 2010	010056 CV9
Community Learning Centers Income Tax Revenue Bonds, Series 2010C	\$15,060,000	July 28, 2010	010056 CW7
Certificates of Participation, Series 2010 (Akron Energy Systems Project)	\$13,200,000	November 3, 2010	010047 CZ9
Various Purpose Refunding Bonds, Series 2010A	\$24,045,000	November 30, 2010	010033 ZN1
Various Purpose Bonds, Series 2010B	\$21,350,000	November 30, 2010	010033 A57

2011

Name	Amount	Date	CUSIP #
Street Improvement Special Assessment Bonds, Series 2011	\$5,015,000	November 22, 2011	PNCAAA229
Pension Income Tax Refunding Bonds, Series 2011	\$6,405,000	December 15, 2011	010056 DJ5
JEDD Revenue Refunding Bonds, Series 2011	\$27,165,000	December 21, 2011	010057 AJ6
General Obligation Various Purpose Refunding Bonds, Series 2011	\$44,190,000	December 21, 2011	010033 G28

2012

Name	Amount	Date	CUSIP #
Various Purpose Income Tax Revenue Bonds, Series 2012	\$28,870,000	November 14, 2012	010056 FJ3
General Obligation Various Purpose Refunding Bonds, Series 2012	\$8,540,000	November 29, 2012	010033 J25
Community Learning Centers Income Tax Revenue Refunding Bonds, Series 2012A	\$155,360,000	June 27, 2012	010056 DK2

2013

Name	Amount	Date	CUSIP #
2013 Ohio Air Quality Development Authority, Series A	\$2,493,570	August 15, 2013	677525 VH7
2013 Ohio Air Quality Development Authority, Series B	\$2,355,914	August 15, 2013	677525 HA8
Taxable Refunding Certificates of Participation, Series A 2013 (Stadium)	\$14,910,000	November 27, 2013	010047 DA3
Taxable Certificates of Participation, Series B 2013 (Stadium)	\$2,365,000	December 5, 2013	010047 DJ4

2014

Name	Amount	Date	CUSIP #
General Obligation Various Purpose Refunding Bonds, Series 2014A	\$19,080,000	March 20, 2014	010033 J33
General Obligation Various Purpose Refunding Bonds, Series 2014B	\$20,685,000	March 20, 2014	010033 K80
Community Learning Center Income Tax Revenue Bonds, Series 2014	\$50,000,000	May 7, 2014	010056 FL8
General Obligation Various Purpose Refunding Bonds, Series 2014C	\$25,200,000	December 2, 2014	010033 M62
Taxable Economic Development Revenue Refunding Bonds, Series 2014	\$28,230,000	November 25, 2014	010053 AW6
Various Purpose Income Tax Revenue Bonds, Series 2014	\$32,340,000	November 25, 2014	010056 GD5

2014 Ohio Air Quality Development Authority, Series A	\$838,000	August 7, 2014	R-1
---	-----------	----------------	-----

2015

Name	Amount	Date	CUSIP #
General Obligation Various Purpose Refunding Bonds, Series 2015	\$25,325,000	March 10,2015	010033P93
Taxable Economic Development Refunding Bonds, Series 2015	\$13,250,000	November 12, 2015	010053BM7
Parking Facilities Income Tax Revenue Bonds, Series 2015	\$25,370.000	November 12, 2015	010079AA9
Waterworks System Mortgage Revenue Improvement & Refunding Bonds, Series 2015	\$8,300,000	December 18, 2015	2006WTR

2016

Name	Amount	Date	CUSIP #
Community Learning Center Income Tax Revenue Bonds, Series 2016	\$27,000,000	December 1,2016	010056HN2
General Obligation Final Judgement Bonds, Series 2016	\$5,000,000	December 1, 2016	010033R75
General Obligation Various Purpose Refunding Bonds, Series 2016A	\$7,155,000	December 1, 2016	010033T99

General Obligation Various Purpose Refunding Bonds, Series 2016B	\$10,735,000	December 1, 2016	010033V62
Various Purpose Income Tax Revenue Refunding Bonds, Series 2016	\$14,655,000	December 1, 2016	010056HA0
Certificates of Participation, Series 2016 (Akron Energy Systems Project)	\$11,965,000	October 25, 2016	010047EF1

2017

Name	Amount	Date	CUSIP #
General Obligation Various Purpose Refunding Bonds, Series 2017A	\$8,440,000	December 20, 2017	010033W87
General Obligation Various Purpose Refunding Bonds, Series 2017B	\$3,905,000	December 20, 2017	010033W95
Community Learning Center Income Tax Refunding Bonds, Series 2017	\$36,615,000	December 20, 2017	010053BM7
Special Assessment Bonds, Series 2017 (E. Market Improvement)	\$3,134,299	December 15, 2017	SAGY17HT0
Special Assessment Bonds, Series 2017 (Sidewalks)	\$386,934	December 15, 2017	SASW17TF8

Special Assessment Bonds, Series 2017 (Resurfacing)	\$54,186	December 15, 2017	SARP19
---	----------	-------------------	--------

2018

Name	Amount	Date	CUSIP #
Certificates of Participation, Series 2018 (Akron Energy Systems Project)	\$24,445,000	August 9, 2018	010047EZ7
Health Benefit Claims Bond Anticipation Notes, Series 2018	\$2,500,000	October 21, 2018	010054HM9
Bowery Development Income Tax	\$2,000,000	November 14, 2018	BOWERYAB3
Various Purpose Income Tax Revenue Notes, Series 2018	\$41,300,000	December 11, 2018	010056KQ
Special Assessment Bonds, Series 2018 (Sidewalks)	\$59,341.61	December 11, 2018	SASW18AL3
Special Assessment Bonds, Series 2018(Resurfacing)	\$498,412.45	December 11, 2018	SARP18AF2
Special Assessment Bonds, Series 2018 (Street Improvement)	\$1,851,838.94	Decemeber 11, 2018	SAIMP18AL6