GENERAL FUND REVENUES

The financial data presented in this section represents the revenues for the City of Memphis General Fund.

2019 Fiscal Year ADOPTED OPERATING BUDGET • 93

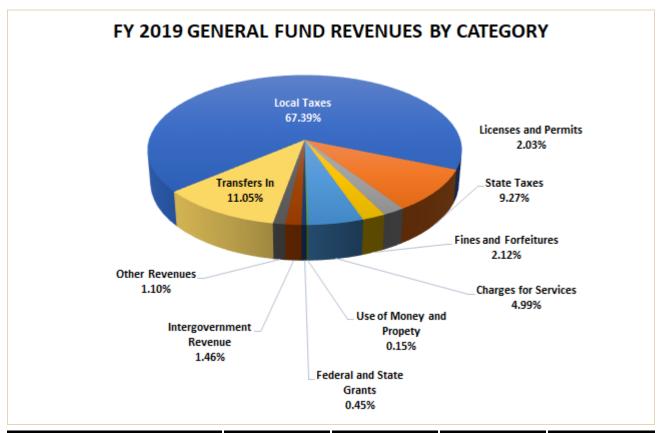
Revenue Forecasting Methodology

The University of Memphis forecasters independently prepare quarterly reports of revenue updates and forecasts for use in the internal decision-making done in the City of Memphis Finance Department. The forecasts have two areas of focus: forecasts for the current fiscal year's end-of-year revenues and forecasts for the next fiscal year and for each year out for ten years.

A team of Ph.D. economists report on current economic trends that influence the City of Memphis. National, state and local economic indicators receive full discussion in both an oral presentation and written documents. These perspectives are essential for the finance department to understand and respond to a second area of focus. In the second part of the quarterly report, the team prepares numerical forecasts for the current fiscal year's end-of-year revenues, for the next fiscal year, and for each year out for ten years. The forecasts are for more than fifty revenue variables, including total revenue for the city's general fund, subgroups of revenue sources, and individual revenue sources. The format of the forecast involves a median forecast as the single most likely value and a high/low range to indicate the degree of uncertainty. Also, for the most important single revenue sources and for total revenue, there is a more detailed risk analysis. This involves developing a downside risk assessment expressed as the probability that revenues will be at or below important levels.

The smallest revenue sources are forecasted with autoregressive, integrated, moving average models estimated with monthly or annual data that extends back to 1968 in some cases. Major revenue sources get forecasts from at least two alternative statistical models. For some variables, seasonal patterns are so reliable that end-of-year totals are accurately predicted from year-to-date data used in some of the quarterly updates. For longer-term forecasts, entirely different models are necessary. For some of the revenue sources, national and regional economic indicators are useful to add to short and long term forecast accuracy. These statistical models are combinations of autoregressive, integrated, moving average (ARIMA) modeling and regression analysis. Although some series are estimated with single equation models, others have simultaneous equation models. Stochastic simulations of the short- and long-term models generate empirical estimates of the probability distributions for the revenue sources. These distributions are reported both for the current fiscal year and the next fiscal year. These simulation results are used to report the high/low ranges for the revenue sources and the detailed risk analyses. The high/low range end points are defined to cover the middle 50 percent of the estimated distributions for the forecasted variables. They are, in fact, the first and third quartiles that surround the median forecast. These intervals are reported for detailed lists of revenue sources, for subcategories of the general fund, and for total revenue.

The simulation results are the basis for more detailed risk analysis of total revenue, the property tax, and the sales tax. These risk reports give the quartiles and median, plus all the deciles. For example, the first decile in the forecast distribution for total revenue is the level of revenue such that there is a 10 percent probability that revenue will be at or below that level. In addition, the risk analysis estimates the probability that revenues will be at or below key levels, such as the previous year's level and the level anticipated in the operating budget. This risk analysis is a downside risk description, giving the probability that end-of-year revenue will be short of specified values.



Category	FY 2017 Actual	FY 2018 Adopted	FY 2018 Forecast	FY 2019 Adopted
REVENUES SUMMARY BY CATEGORY				
Contributed from Fund Balance	\$ 0	\$ 2,400,000	\$ 18,641,000	\$ 0
Local Taxes	442,632,698	450,662,962	461,567,359	461,829,925
State Taxes	65,028,256	68,010,000	64,279,695	63,520,000
Licenses and Permits	13,393,208	13,494,465	13,504,889	13,899,465
Fines and Forfeitures	14,518,517	15,161,000	13,864,775	14,534,000
Charges for Services	32,705,846	33,801,535	35,270,158	34,165,156
Use of Money and Property	903,910	335,000	1,920,000	1,020,000
Federal Grants	2,029,594	328,800	5,611,181	2,990,090
State Grants	2,048,892	1,630,362	1,889,062	95,000
Intergovernmental Revenues	9,409,377	8,543,149	8,660,514	9,983,066
Other Revenues	10,565,392	7,830,978	12,914,809	7,556,508
Transfers In	68,582,113	66,638,000	84,580,048	75,726,859
Dividend and Interest on Investment	508	0	8	0
Total Revenues	\$ 661,818,315	\$ 668,836,251	\$ 722,703,497	\$ 685,320,069

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General Fund Revenue Detail

Expenditure Types	FY 2017 Actual	FY 2018 Adopted	FY 2018 Forecast	FY 2019 Adopted
CONTRIBUTED FROM FUND BALANCE				
Contributed From Fund Balance	\$0	\$ 2,400,000	\$ 18,641,000	\$ 0
Total Contributed from Fund Balance	\$ 0	\$ 2,400,000	\$ 18,641,000	\$ 0
LOCAL TAXES				
Ad Valorem Tax - Current	\$ 250,379,342	\$ 250,500,000	\$ 265,000,000	\$ 259,190,160
Ad Valorem Tax - Current Sale of Receivables	5,925,741	7,500,000	6,100,000	7,500,000
Ad Valorem Tax Prior	4,038,731	5,200,000	5,200,000	5,800,000
Ad Valorem Tax - Prior One Time Assessment	34,390	0	9,027	0
PILOT's	2,852,608	3,500,000	4,130,000	4,000,000
Property Taxes Interest & Penalty	4,587,299	4,200,000	4,200,000	4,200,000
Bankruptcy Interest & Penalty	154,334	170,000	126,237	170,000
Interest & Penalty - Sale of Tax Rec	1,035,087	1,500,000	1,600,000	1,500,000
Special Assessment Tax	638,932	558,000	571,205	598,000
Local Sales Tax	109,451,189	113,000,000	110,000,000	113,000,000
Tourism Development Zone Local Sales	2,609,696	1,980,000	3,554,100	3,500,000
Alcoholic Beverage Inspection Fee	5,471,220	5,000,000	5,300,000	5,000,000
Beer Sales Tax	16,465,009	17,500,000	16,000,000	16,500,000
Gross Rec Business Tax	13,157,230	13,500,000	13,500,000	14,000,000
"Interest, Penalties & Commission"	226,018	200,000	295,000	200,000
Business Tax Fees	1,338,439	1,100,000	1,100,000	1,100,000
Mixed Drink Tax	7,829,525	7,400,000	8,000,000	8,000,000
Excise Tax	1,019,802	954,000	954,000	954,000
State Apportionment TVA	7,814,353	7,800,000	7,851,190	7,800,000
Franchise Tax - Telephone	1,165,080	2,200,000	1,400,000	1,800,000
Cable TV Franchise Fees	4,325,937	4,300,000	4,300,000	4,300,000
Fiber Optic Franchise Fees	657,589	950,000	1,008,706	1,100,000
Misc Franchise Tax	818,024	850,000	700,000	850,000
Warrants and Levies	0	0	129	0
Misc Tax Recoveries	359,959	500,000	400,000	500,000
MLGW Pipeline	277,165	300,962	267,765	267,765
Total Local Taxes	\$ 442,632,698	\$ 450,662,962	\$ 461,567,359	\$ 461,829,925
STATE TAXES				
State Income Tax	\$ 9,062,699	\$ 11,000,000	\$ 7,300,000	\$ 5,500,000
State Sales Tax	53,905,940	55,000,000	54,000,000	56,000,000
Telecommunication Sales Tax	58,986	55,000	1,020,000	45,000
State Shared Beer Tax	312,347	315,000	301,000	315,000
Alcoholic BeverageTax	380,897	340,000	355,000	360,000
Spec Petroleum Product Tax	1,307,388	1,300,000	1,303,695	1,300,000

Expenditure Types	FY 2017 Actual	FY 2018 Adopted	FY 2018 Forecast	FY 2019 Adopted
Total State Taxes	\$ 65,028,258	\$ 68,010,000	\$ 64,279,695	\$ 63,520,000
LICENSES AND PERMITS				
Liquor By Ounce License	\$ 226,973	\$ 215,000	\$ 215,000	\$ 215,000
Taxi Drivers License	20,130	20,500	20,500	20,500
Gaming Pub Amus Perm Fee	12,582	15,000	15,000	15,000
Wrecker Permit Fee	2,732	11,000	21,500	16,000
Misc Permits	65,923	70,000	69,925	70,000
Beer Application	76,832	60,000	60,000	60,000
Auto Registration Fee	12,422,950	12,500,000	12,500,000	12,900,000
Dog License	283,766	274,965	274,965	274,965
County Dog License Fee	109,650	100,000	99,999	100,000
Beer Permit Privilege Tax	143,261	140,000	140,000	140,000
Sidewalk Permit Fees	28,407	88,000	88,000	88,000
Total Licenses and Permits	\$ 13,393,208	\$ 13,494,465	\$ 13,504,889	\$ 13,899,465
FINES AND FORFEITURES				
Court Fees	\$ 4,453,156	\$ 5,000,000	\$ 4,498,433	\$ 4,750,000
Court Costs	5,402,452	6,000,000	5,500,074	5,750,000
Fines & Forfeitures	3,784,822	3,105,000	3,082,734	3,095,000
Seizures	73,420	100,000	47,297	100,000
Beer Board Fines	108,357	110,000	100,000	100,000
Library Fines & Fees	409,787	400,000	349,029	400,000
Delinquent Collection Fees	0	100,000	0	100,000
Vacant Property Registration Fee	55,550	18,600	69,000	18,600
Arrest Fees	135,706	215,000	125,000	125,000
DUI BAC Fees	1,867	2,400	208	2,400
Sex Offender Registry Fees	93,400	110,000	93,000	93,000
Total Fines and Forfeitures	\$ 14,518,517	\$ 15,161,000	\$ 13,864,775	\$ 14,534,000
CHARGES FOR SERVICES				
Tax Sales Attorney Fees	\$ 578,681	\$ 525,000	\$ 525,000	\$ 525,000
Subdivision Plan Inspection Fee	139,342	90,000	90,000	90,000
Weights/Measures Fees	0	0	0	0
Street Cut Inspection Fee	438,747	250,000	250,000	250,000
Traffic Signals	286,128	200,000	200,000	200,000
Parking Meters	912,071	850,000	1,000,000	850,000
Signs-Loading Zones	31,874	15,000	15,000	15,000
Arc Lights	3,981	4,000	4,000	4,000
Wrecker & Storage Charges	510,475	500,000	700,000	500,000
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Expenditure Types	FY 2017 Actual	FY 2018 Adopted	FY 2018 Forecast	FY 2019 Adopted
Shelter Fees	239,162	200,000	185,000	200,000
Animal Vaccination	32,617	32,000	32,000	0
Ambulance Service	22,069,140	21,260,000	22,000,000	22,000,000
Admissions - General	214	0	0	0
Parking	73,719	527,497	536,409	522,409
Senior Citizen's Meals	58,204	75,000	75,000	75,000
Concessions	546,346	2,149,152	1,690,541	1,796,672
Golf Car Fees	1,034,411	1,149,500	1,149,500	1,149,500
Pro Shop Sales	134,905	137,300	137,300	137,300
Green Fees	1,436,503	1,702,996	1,653,134	1,702,996
Softball	88,735	28,000	28,000	28,000
Basketball	4,800	0	0	0
Football	800	0	0	0
Ballfield Permit	19,709	18,000	18,000	18,000
Class Fees	45,770	47,310	56,906	42,250
Rental Fees	2,216,202	1,979,047	2,176,322	2,199,305
MLG&W Rent	2,670	2,400	2,420	2,400
Rent Of Land	249,440	31,738	200,000	31,738
Subdivision Development Fees	47	0	13	0
Police Special Events	221,579	250,000	600,000	250,000
Day Camp Fees	3,008	260,200	89,948	0
Food Service Revenue	(230)	0	0	0
After School Camp	1,100	2,100	1,500	1,500
Parking Lots	393,450	315,000	388,275	315,000
Outside Revenue	41,084	125,295	340,890	184,086
P & S Printing	10,800	0	0	0
Tow Fees	789,582	1,000,000	900,000	1,000,000
Easements & Encroachments	90,780	75,000	225,000	75,000
Total Charges for Services	\$ 32,705,846	\$ 33,801,535	\$ 35,270,158	\$ 34,165,156
USE OF MONEY AND PROPERTY				
Interest on Investments	\$ 759,365	\$ 115,000	\$ 1,700,000	\$ 800,000
Net Income/Investors	38,468	100,000	100,000	100,000
State Litigation Tax Commission	106,078	120,000	120,000	120,000
Total Use of Money and Property	\$ 903,910	\$ 335,000	\$ 1,920,000	\$ 1,020,000
FEDERAL GRANTS				
Federal Grants - Others	\$ 2,029,594	\$ 328,800	\$ 5,611,181	\$ 2,990,090
Total Federal Grants	\$ 2,029,594	\$ 328,800	\$ 5,611,181	\$ 2,990,090

	FV 2017	EV 2010	EV 2010	EV 2010
Expenditure Types	FY 2017 Actual	FY 2018 Adopted	FY 2018 Forecast	FY 2019 Adopted
STATE GRANTS				
St TN Highway Maint Grant	\$ 1,017,927	\$ 830,362	\$ 830,362	\$ 95,000
St TN Interstate	781,469	800,000	800,000	0
TEMA Reimbursement	249,497	0	258,700	0
Total State Grants	\$ 2,048,892	\$ 1,630,362	\$ 1,889,062	\$ 95,000
INTERGOVERNMENTAL REVENUES				
International Airport	\$ 3,409,377	\$ 3,543,149	\$ 3,660,514	\$ 3,983,066
MATA	6,000,000	5,000,000	5,000,000	6,000,000
Total Intergovernmental Revenues	\$ 9,409,377	\$ 8,543,149	\$ 8,660,514	\$ 9,983,066
OTHER REVENUES				
Anti-Neglect Enforcement Program	ć 102 107	¢ 200 000	¢ 200 000	¢ 1 150 650
Property Insurance Recoveries	\$ 182,107 404,460	\$ 200,000 374,221	\$ 200,000 359,714	\$ 1,158,659 267,998
Rezoning Ordinance Publication Fees	3,400	10,000	2,750	10,000
Sale Of Reports	447,984	285,423	298,963	285,423
Local Shared Revenue	1,896,673	1,482,056	1,548,442	515,956
Center City Commission	26,439	0	0	0
City of Bartlett	1,317,679	1,034,000	1,034,000	1,034,000
Utility Warranty Program	0	500,000	500,000	500,000
Miscellaneous Income	928,853	736,030	871,810	566,724
Sewer Fund Cost Allocation	1,075,000	1,075,000	1,075,000	1,075,000
Miscellaneous Auctions	1,805,531	1,600,000	1,600,000	1,600,000
Local Other Revenue	0	0	43,400	0
Court Reimbursement	47	0	0	0
Unclaimed Property	14,562	0	0	0
Fire - Misc Collections	72,953	20,000	136,655	20,000
Cash Overage/Shortage	2,141	30	893	30
Sale Of Capital Assets	1,791,720	0	0	0
Donated Revenue	80,512	141,500	2,515,356	165,000
Corporate Sponsorship	75,000	70,000	75,000	75,000
Vendor Rebates	90,071	0	87,391	0
Grant Revenue - Library	71,457	17,000	39,688	17,000
FNMA Service Fees	861	0	2,148	0
Donations for Rape Kits	33	0	0	0
Commissions	0	20,000	0	0
Miscellaneous Revenue	452,311	59,868	74,061	59,868
Misc. Library Revenue	0	0	1,907	0
Recovery Of Prior Year Expense	(177,330)	200,000	2,444,705	200,000
Mow to Own Program - Program Fees	2,925	5,850	2,925	5,850

Expenditure Types	FY 2017 Actual	FY 2018 Adopted	FY 2018 Forecast	FY 2019 Adopted
Total Other Revenues	\$ 10,565,392	\$ 7,830,978	\$ 12,914,809	\$ 7,556,508
TRANSFERS IN				
In Lieu Of Taxes-MLGW	\$ 59,418,964	\$ 58,700,000	\$ 61,750,000	\$ 63,000,000
In Lieu Of Taxes-Sewer	5,996,499	5,500,000	7,095,000	5,500,000
Oper Tfr In - State Street Aid	0	0	6,100,000	0
Oper Tfr In - Solid Waste Fund	75,000	0	0	1,065,177
Oper Tfr In - Misc Grants Fund	276	0	0	30,000
Oper Tfr In - Hotel/Motel Fund	0	38,000	38,000	38,000
Oper Tfr In - Debt Service Fund	0	0	0	3,500,000
Oper Tfr In - Capital Projects Fund	0	0	7,026,000	0
Oper Tfr In - Sewer Operating/CIP	1,300,000	1,300,000	1,300,000	1,737,164
Oper Tfr In - Metro Alarm	1,641,372	100,000	271,048	450,000
Oper Tfr In - Storm Water	150,000	0	0	106,518
Oper Tfr In - Unemployment Fund	0	1,000,000	1,000,000	300,000
Total Transfers In	\$ 68,582,112	\$ 66,638,000	\$ 84,580,048	\$ 75,726,859
DIVIDEND AND INTEREST ON INVESTMENT				
Interest Income - US Government	\$ 508	\$ 0	\$8	\$ 0
Total Dividend and Interest on Investment	\$ 508	\$0	\$8	\$ O
TOTAL REVENUES	\$ 661,818,304	\$ 668,836,251	\$ 722,703,497	\$ 685,320,069

Current Property Tax



^{*} FY 2019 Adopted

Property Tax is the largest source of revenue for the City. Property assessments are made by the Shelby County Tax Assessor based on the estimated appraised value and the following property classifications:

Residential and Farm Real Property = 25% of Appraised Value

Personal Property = 30% of Appraised Value

Commercial and Industrial Real Property = 40% of Appraised Value

Public Utilities and Railroads = 55% of Appraised Value Assessed by Tennessee Regulatory Authority (TRA).

Tax bills originate from, and collections are made by, the City Treasurer's Office, based on the tax rate set by the City Council and applied to the assessment rolls provided by the County Assessor and the TRA. Taxes are due and payable when the tax bills are mailed, normally July 1, and become delinquent sixty days thereafter, normally September 1. About 95% of the taxes are collected in the first four months of tax mailings. Through fiscal year 2014 City Schools and the Debt Service Fund shared proceeds of this tax. Beginning in fiscal year 2013, City Schools merged with County Schools and was not allocated City property tax. There are no restrictions on property tax increases. However, tax rates are approved by Ordinance.

Major Influences: Annexations, Appraisals, Development and Population changes

^{**}FY 2018 Forecast

In lieu of Tax - MLGW



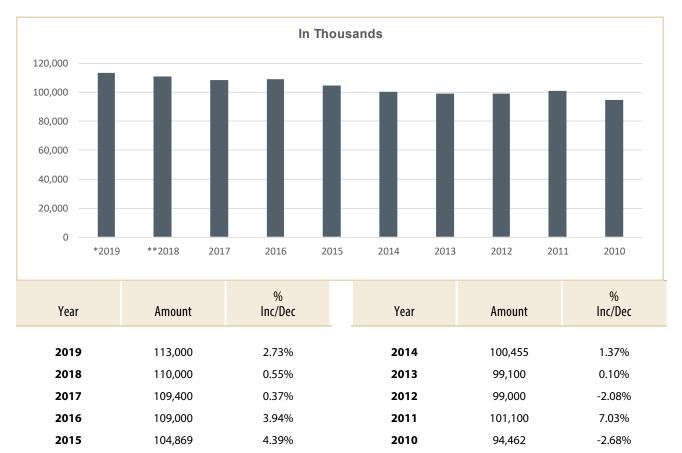
^{*} FY 2019 Adopted

The Memphis Light Gas and Water Division makes in lieu of property tax equivalent payments as provided by the Municipal Electric System Tax Equivalent Law and the Municipal Gas System Tax Equivalent Law, both of which provide a uniform formula for establishing such payments. This payment is shared with Shelby County according to State law. This revenue is limited to the calculation defined in the State law. T.C.A. 7-52-307 and T.C.A. 7-39-404.

Major Influences: Municipal Electric/Gas System Tax Equivalent Laws

^{**} FY 2018 Forecast

Local Sales Tax



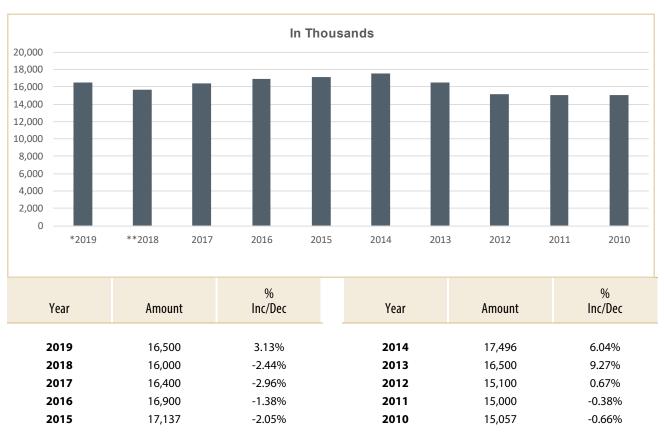
^{*} FY 2019 Adopted

This, the second largest revenue source for the City, is charged on gross proceeds derived from retail sales or use of tangible personal property and certain specific services. It is computed at 2.25% of the amount of each transaction with one-half of the proceeds allocated to education. The rate was last changed in 1984 from 1.5% to 2.25%.

Major Influences: Annexation, Population changes and Taxable sales

^{**}FY 2018 Forecast

Beer Sales Tax



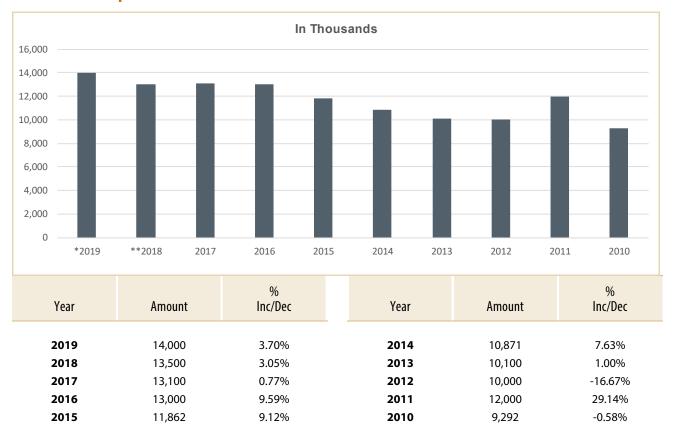
^{*} FY 2019 Adopted

Beginning in 2014, this beer tax is imposed at \$35.60 per barrel of retail purchases from licensed wholesalers. Prior to fiscal year 2014, this tax was levied at 17% on the sale of beer to wholesalers. Fees are remitted to the City by wholesalers on a monthly basis. T.C.A. 57-6-103 (FY2014) and T.C.A. 57-5-103 (prior to FY2014)

Major Influences: Wholesaler quantities and Consumption rates

^{**}FY 2018 Forecast

Gross Receipts Business Tax



^{*} FY 2019 Adopted

This is a privilege tax on the exercise of most business sales, consisting of two parts:

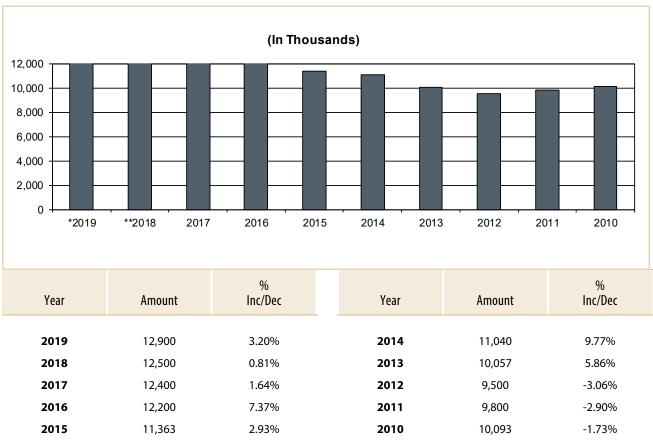
\$15 minimum annual license fee

Tax on gross receipts (wholesale and retail) of the covered business activities, for businesses with annual sales of \$10,000 or more.

Business activities are divided into five classifications, with each classification having different tax rates. (Beginning January 1, 2014, businesses' tax periods coincide with their fiscal years. Prior to this date, each business classification had its own taxable period.) Furthermore, each county and/or incorporated municipality in which a qualifying business, business activity, vocation or occupation is conducted may levy a business tax not exceeding the rates established by state law. T.C.A. 67-4-704 and the 2013 Uniformity and Small Business Relief Act.

^{**}FY 2018 Forecast

Auto/Vehicle Registration



^{*} FY 2019 Adopted

All residents of the City who own/operate a motor vehicle or motorcycle for business or pleasure must register the vehicle with the City's registration agent and pay an annual registration fee as follows:

Motorcycle (Private)	\$10.00
Motorcycle (Commercial)	\$21.00
Passenger motor vehicle	\$30.00
Dealers, manufacturers, transporters	\$21.00 to \$325.00
Freight vehicles, depending on weight	\$114.00 to \$452.00
Combined farm and private truck	\$30.00 to \$376.00

The County Court Clerk remits collections to the City after deducting a collection fee.

Major Influences: Auto sales, Vehicle registrations

^{**}FY 2018 Forecast

State Sales Tax



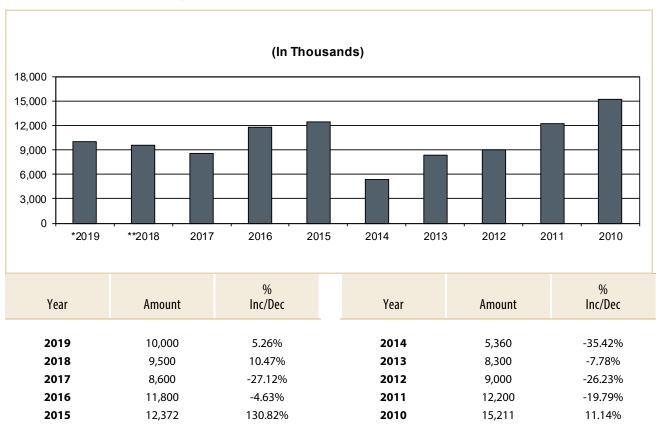
^{*} FY 2019 Adopted

This is the largest state shared revenue the City receives. The current rate is 7.0% and is charged on each transaction described in the Local Sales Tax, 1.0% goes to the State's General Fund. Of the 6.0% remaining, 0.5% goes to education. Municipalities receive approximately 4.5925% of collections on 5.5% of the 6%, which is allocated among the municipalities on a per capita basis. Changes in fees require General Assembly vote, T.C.A. 67-6-103.

Major Influences: Population (relative to State) and Taxable sales

^{**}FY 2018 Forecast

Delinquent Property Tax with Interest



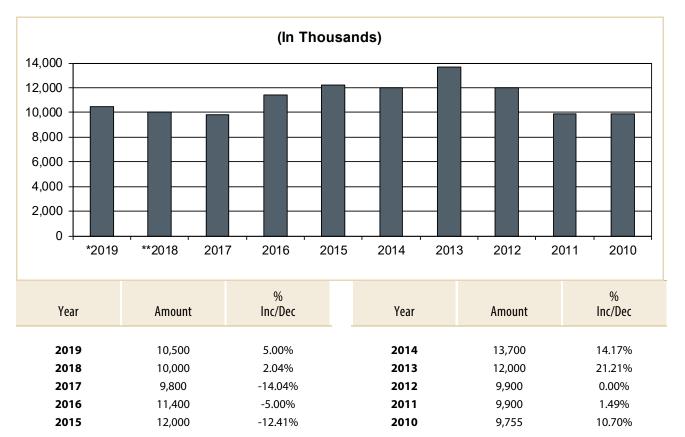
^{*} FY 2019 Adopted

Property taxes that are not paid in the fiscal year in which they are assessed are recorded as delinquent tax receipts when they are paid in subsequent years. Between 95% to 97% of property taxes are paid in the year of assessment and approximately 40% to 50% of delinquent taxes are collected the first fiscal year they become delinquent. Delinquent payments carry an additional penalty and interest. The decline in delinquent property tax revenue for previous years reflects that the City has initiated a sale of its delinquent property taxes to an outside vendor.

Major Influences: Economy and Appraisals

^{**}FY 2018 Forecast

Court Costs/Fines



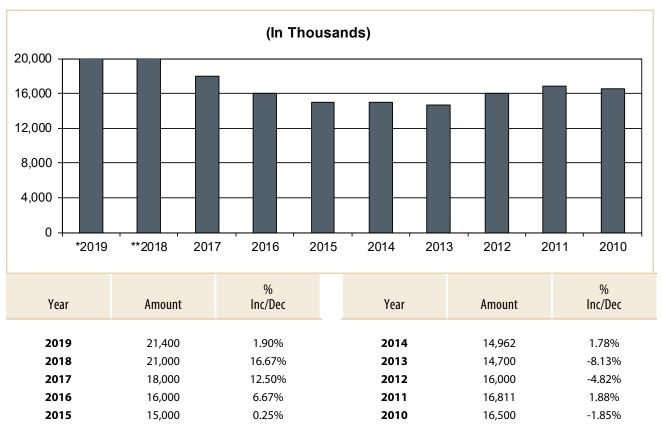
^{*} FY 2019 Adopted

The City Court Clerk collects all City Courts fines, including court costs, fine assessments, and forfeitures in lieu-of-court appearances. Remittances are made to the City monthly. Traffic violation fines and court costs are set by the City Council. Fees require Ordinance change and Council approval, Section 11-24-25 Memphis Code.

Major Influences: Population (Demographics), Crime Rate and Enforcement

^{**}FY 2018 Forecast

Municipal State Aid



^{*} FY 2019 Adopted

Local share of state gasoline and other motor fuel taxes comprising the Gasoline Tax, the Diesel Tax, the Liquefied Gas Tax on vehicles, the Compressed Natural Gas Tax, and the Prepaid User Diesel Tax. Distribution is based upon population. Revenue is distributed monthly by the State. T.C.A. 67-3-202, T.C.A. 67-3-1309

Major Influences: Population and Gasoline Sales

Note: As of FY2017 Municipal State Street Aid tax revenues are not in the General Fund revenues and are therefore not included in the FY2019 General Fund Adopted Budget as such. These revenues are instead recorded in the State Street Aid Fund (see "Special Revenue Funds" section), then transferred out to the General Fund as Expense Recovery. Because gas tax revenues remain a significant source of revenue for the City and the change in accounting has a zero effect on the General Fund, we will continue to report these revenues here.

^{**}FY 2018 Forecast