



City Council Weekly Information Packet

Friday, November 4, 2022

Includes the following documents/information:

- 1) City Council Events Schedule
- 2) Equitable Sharing Report – Quarterly Expenditure Report
- 3) Tax Revenue Statistical Report – September 2022
- 4) Engineering & Transportation Department Update
- 5) Municipal Utilities Department Update
- 6) Community Services Department Update



City Council Events Schedule

November 4, 2022 thru December 8, 2022

The Mayor and City Council have been invited to attend various community meetings and public and private events at which a quorum of the City Council may be present. The Council will not be conducting city business, nor will any legal action be taken. This is an event only and not a public meeting. A list of the community meetings and public and private events along with the schedules, dates, times, and locations is attached. Organizers may require a rsvp or fee.

Fri	Nov 4	8:30 a.m. – 10:00 a.m.	Homeless Solutions Business Update Location: Tempe City Council Chambers 31 E. Fifth Street Tempe, AZ
Mon	Nov 7	12:30 p.m.	Water, Wastewater and Stormwater Rate Study Virtual Public Meeting Location: Zoom Link: tempe.gov/UtilityRateStudy
Mon	Nov 7	6:00 p.m.	Water, Wastewater and Stormwater Rate Study In-Person Public Meeting Location: Tempe Public Library 3500 S. Rural Road Tempe, AZ
Thur	Nov 10	4:00 p.m. – 5:00 p.m.	Ribbon Cutting: Cinch IT Location: MAC6 1738 W. Broadway Road #101 Tempe, AZ
Fri	Nov 11	2:00 p.m. – 8:00 p.m.	Feed My Starving Children Hope Filled Holiday Location: Arizona State University Sun Devil Fitness Complex 400 E. Apache Boulevard Tempe, AZ
Sat	Nov 12	9:30 a.m. – 8:00 p.m.	Feed My Starving Children Hope Filled Holiday Location: Arizona State University Sun Devil Fitness Complex 400 E. Apache Boulevard Tempe, AZ
Sat	Nov 12	10:00 a.m.	Mitchell Park Neighborhood Association Meeting Location: Mitchell Park 900 S. Mitchell Drive Tempe, AZ

Sat	Nov 12	4:00 p.m. – 6:00 p.m.	Tempe Palms Neighborhood Association Potluck Location: Cul-de-sac at the end of E Shannon Dr & S Siesta Ln Tempe, AZ
Sat	Nov 12	4:00 p.m. – 8:00 p.m.	Parkview Gardens Neighborhood association Block Party Location: E Vaughn Dr between S College Ave and S Forest Ave Tempe, AZ
Sun	Nov 13	10:00 a.m. – 3:30 p.m.	Feed My Starving Children Hope Filled Holiday Location: Arizona State University Sun Devil Fitness Complex 400 E. Apache Boulevard Tempe, AZ
Sun	Nov 13	1:00 p.m. – 3:00 p.m.	The Lakes of Tempe 50 th Anniversary Celebration Location: The Lakes Beach & Tennis Club 5501 S. Lakeshore Drive Tempe, AZ
Mon	Nov 14	12:00 p.m.	Short-term Rentals Virtual Public Meeting Location: Zoom Link: tempe.gov/ShortTermRentals
Tues	Nov 15	11:00 a.m. – 2:30 p.m.	DHL GoGreen Initiatives Location: At CRC Tempe office next to the DHL Popup 1910 W. Rio Salado Parkway Tempe, AZ
Wed	Nov 16	6:00 p.m.	Short-term Rentals In-person Public Meeting Location: Escalante Senior Center 2150 E. Orange St. Tempe, AZ
Thur	Nov 17	4:00 p.m. – 5:00 p.m.	Ribbon Cutting: United Pet Care Location: First Solar Building – United Pet Care Office 350 W. Washington Street B101 Tempe, AZ
Thur	Nov 17	6:00 p.m.	Los Feliz Drive South of Elliot Road Neighborhood Traffic Calming Meeting Location: Kiwanis recreation Center Classroom 6111 S. All-America Way Tempe, AZ
Sat	Nov 19	8:00 a.m. – 10:00 a.m.	Kiwanis Park Improvements Open House Location: Kiwanis Park North Playground

			5233 S. Ash Avenue Tempe, AZ
Tues	Nov 22	4:00 p.m. – 8:00 p.m.	Angry Crab Shack Grand Opening Location: Angry Crab 660 W. Warner Road Tempe, AZ
Fri	Nov 25	4:00 p.m. – 9:00 p.m.	Fantasy of Lights Opening Night Street Parade Location: Downtown Tempe 1 W. Rio Salado Parkway Tempe, AZ
Thur	Dec 8	5:00 p.m. – 8:00 p.m.	Grand Opening event Location: Portal Warehousing 2636 S. Wilson Street Tempe, AZ

11/4/2022 JR

MEMORANDUM



TO: Mayor and City Council
THROUGH: Andrew Ching, City Manager
FROM: Jeffrey Glover, Chief of Police
DATE: November 4, 2022
SUBJECT: Equitable Sharing Report – Quarterly Expenditure Report

Per the revised A.R.S. 13-2314.03, effective July 3, 2015, the Tempe Police Department is required to submit a copy of the Arizona Criminal Justice Commission, Forfeiture Monies Report to the City Council for review on a quarterly basis. Below is a summary of the information contained in the attached report.

**Equitable Sharing
Budget and Expenditure Report
FY 20 22-23
1st Quarter (July 1- September 30, 20 22)**

Budget

Operating Budget **\$ 1,500,000.00**

Expenditures

	<u>1st Quarter</u>	<u>YTD Expenditures</u>
Personnel Services		
Salary, Wages & OT	\$ 91,504.81	\$ 91,504.81
Fringe Benefits	\$ 22,065.19	\$ 22,065.19
Uniform Reimbursement	\$ 3,100.00	\$ 3,100.00
		\$ -
Total Expenditures	\$ 116,670.00	\$ 116,670.00

MEMORANDUM



TO: Mayor and Council
FROM: Lauri Vickers, Municipal Budget & Finance Analyst
THROUGH: Mark Day, Municipal Budget Director
DATE: November 4, 2022
SUBJECT: Tax Revenue Statistical Report – September 2022

Introduction

The Municipal Budget Office (MBO) reviews the City's privilege (sales) tax collections for the General Fund (1.2%), Transit Fund (0.5%) and Arts & Cultural Fund (0.1%) and the General Fund bed tax (5.0%) in order to monitor the financial performance of the City's largest revenue source. This monthly analysis also provides the opportunity to determine if adjustments need to be made for any significant variances to ensure continuity of programs and service delivery. The September 2022 report summarizes our analysis of the August sales activity reported to the Arizona Department of Revenue (ADOR).

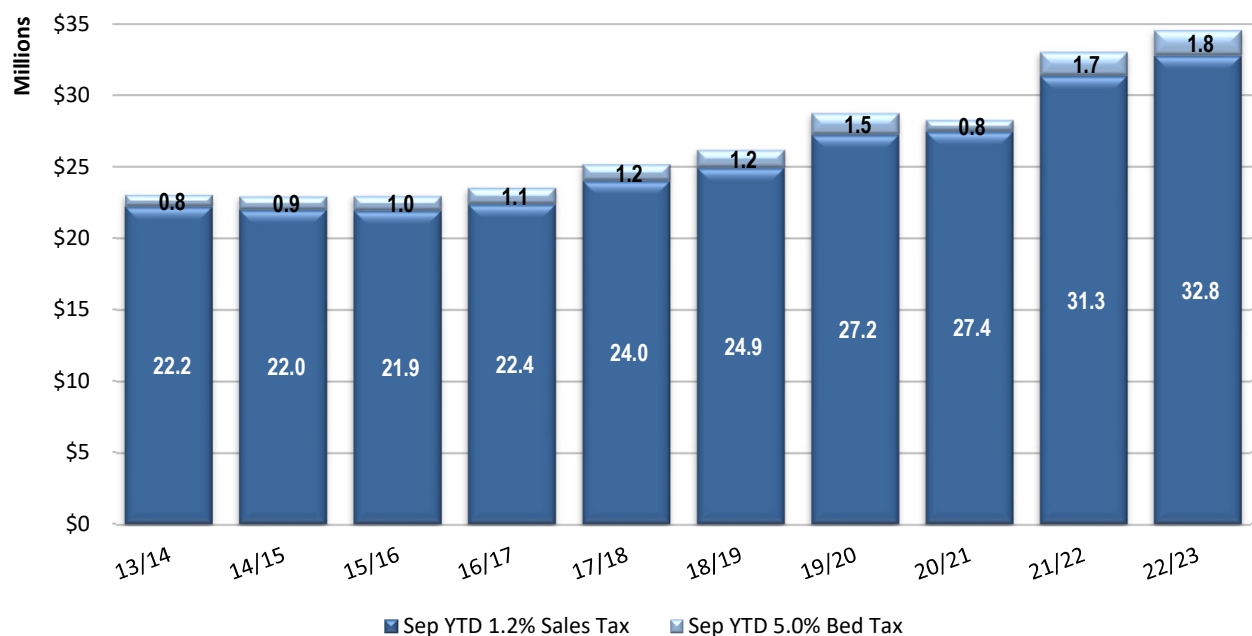
Overall Highlights

Total fiscal year to date taxable sales increased by 4.4% over the same year to date period in the prior fiscal year. Total sales tax revenue is up 4.5% or \$2.2 million, due to growth in rentals (\$1.4 million), non-recurring business activities (\$1.1 million) and contracting (\$595 thousand) activity. The attached Executive Summary provides a summary of historical and current fiscal year taxable sales, sales tax collections by fund, tax revenues by business activity, and an analysis of retail tax revenues by activity.

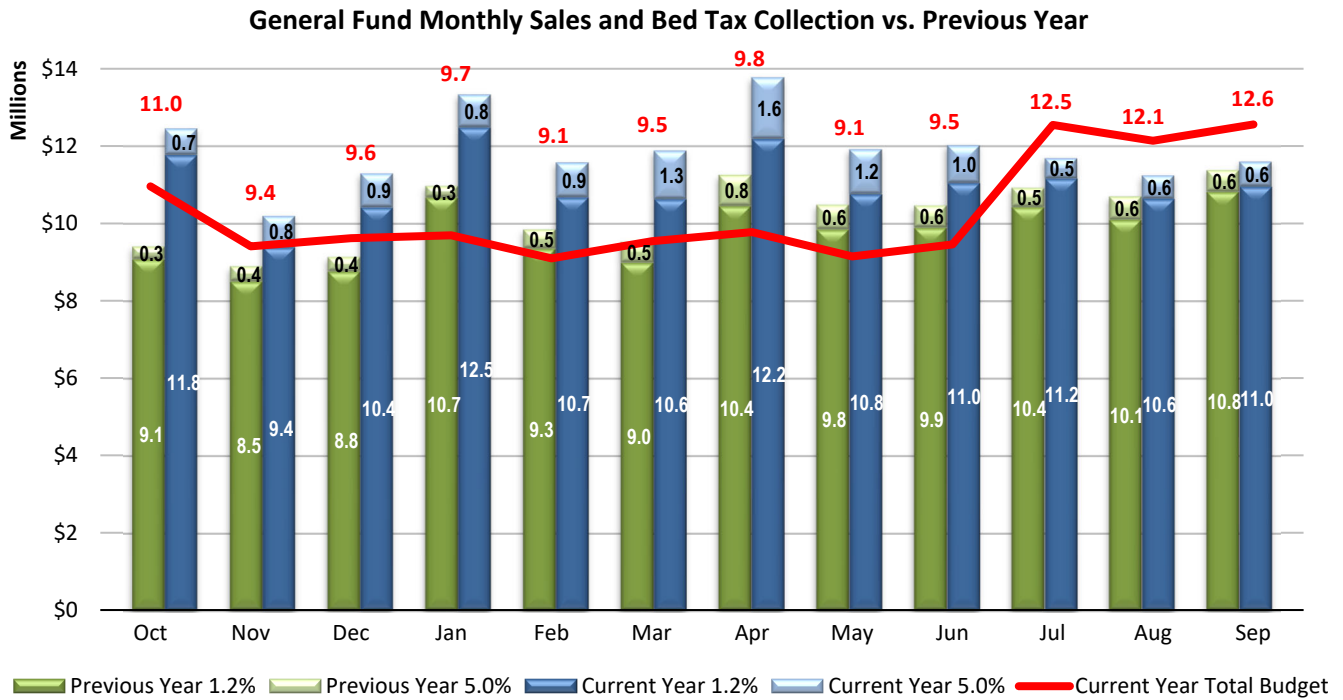
General Fund Highlights

As the General Fund portion of the City's sales and bed tax revenue collections represents the General Fund's largest revenue source, further analysis is performed on these specific tax collections. The graph below depicts year to date General Fund historical sales and bed tax revenue from FY 2013/14 through FY 2022/23. General Fund sales and bed tax revenue for FY 2022/23 is up 4.6% or \$1.5 million over the prior year to date period.

General Fund Year to Date Sales and Bed Tax Collections through September



In addition to the 10-year historical comparison, we also review 12 months of General Fund monthly sales and bed tax collections compared to the previous year and to the FY 2022/23 adopted budget for the combined sales and bed tax, as noted in the graph below.



Finally, the MBO prepares the attached Actual to Budget Comparison report that provides a summary of FY 2022/23 General Fund sales tax, bed tax, and a combined total sales and bed tax collections compared to a projected budget amount for the month. Although sales and bed tax are not actually budgeted on a monthly basis, this type of analysis of actual collections compared to projections provides insight into sales and bed tax performance. Using this approach, fiscal year to date General Fund sales tax is \$1.5 million below revenue projections, General Fund bed tax is \$1.2 million below projections, and the combined General Fund sales and bed tax collections for the General Fund are \$2.7 million below the revenue projection.

Attachments: Executive Summary
Actual Compared to Budget Projection

Executive Summary

Current Month - September

Fiscal Year to Date - September

	2019-20		2020-21		2021-22		2022-23		2019-20		2020-21		2021-22		2022-23	
	Amount	Change	Amount	Change	Amount	Change	Amount	Change	Amount	Change	Amount	Change	Amount	Change	Amount	Change
Taxable Sales																
Total Taxable Sales	847,433,000	12.4%	763,290,000	-9.9%	932,157,000	22.1%	948,264,000	1.7%	2,363,456,000	9.3%	2,347,205,000	-0.7%	2,703,261,000	15.2%	2,822,673,000	4.4%
Retail Taxable Sales	432,649,000	4.1%	444,970,000	2.8%	563,901,000	26.7%	531,766,000	-5.7%	1,269,041,000	4.8%	1,349,761,000	6.4%	1,615,290,000	19.7%	1,527,114,000	-5.5%
Tax Revenues by Fund																
General Fund																
Privilege Tax (1.2%)	9,790,000	12.8%	8,900,000	-9.1%	10,819,000	21.6%	10,951,000	1.2%	27,225,000	9.3%	27,442,000	0.8%	31,340,000	14.2%	32,751,000	4.5%
Bed Tax (5.0%)	506,000	14.0%	300,000	-40.7%	559,000	86.3%	646,000	15.6%	1,505,000	20.7%	806,000	-46.4%	1,651,000	104.8%	1,773,000	7.4%
Privilege Tax Rebates	258,000	-0.8%	187,000	-27.5%	233,000	24.6%	273,000	17.2%	776,000	4.7%	531,000	-31.6%	703,000	32.4%	695,000	-1.1%
Total General Fund	10,554,000	12.5%	9,387,000	-11.1%	11,611,000	23.7%	11,870,000	2.2%	29,506,000	9.7%	28,779,000	-2.5%	33,694,000	17.1%	35,219,000	4.5%
Transit Fund																
Privilege Tax (0.5%)	4,084,000	12.9%	3,709,000	-9.2%	4,508,000	21.5%	4,563,000	1.2%	11,354,000	9.4%	11,435,000	0.7%	13,059,000	14.2%	13,646,000	4.5%
Privilege Tax Rebates	102,000	-5.6%	78,000	-23.5%	97,000	24.4%	114,000	17.5%	313,000	1.6%	221,000	-29.4%	293,000	32.6%	290,000	-1.0%
Total Transit Fund	4,186,000	12.4%	3,787,000	-9.5%	4,605,000	21.6%	4,677,000	1.6%	11,667,000	9.2%	11,656,000	-0.1%	13,352,000	14.6%	13,936,000	4.4%
Arts & Culture Fund																
Privilege Tax (0.1%)	837,000	12.3%	757,000	-9.6%	921,000	21.7%	935,000	1.5%	2,333,000	9.1%	2,331,000	-0.1%	2,670,000	14.5%	2,787,000	4.4%
Total Arts & Culture Fund	837,000	12.3%	757,000	-9.6%	921,000	21.7%	935,000	1.5%	2,333,000	9.1%	2,331,000	-0.1%	2,670,000	14.5%	2,787,000	4.4%
Totals	15,577,000	12.5%	13,931,000	-10.6%	17,137,000	23.0%	17,482,000	2.0%	43,506,000	-45.2%	42,766,000	-1.7%	49,716,000	16.3%	51,942,000	4.5%
Tax Revenues by Business Activities																
Retail	7,788,000	4.1%	8,009,000	2.8%	10,150,000	26.7%	9,572,000	-5.7%	22,843,000	4.8%	24,296,000	6.4%	29,075,000	19.7%	27,488,000	-5.5%
Rentals	2,466,000	9.9%	2,524,000	2.4%	2,992,000	18.5%	3,460,000	15.6%	7,614,000	11.0%	7,939,000	4.3%	8,966,000	12.9%	10,389,000	15.9%
Utilities/Communication	904,000	-3.5%	902,000	-0.2%	921,000	2.1%	929,000	0.9%	2,420,000	-6.0%	2,449,000	1.2%	2,546,000	4.0%	2,652,000	4.2%
Restaurants	1,043,000	3.7%	846,000	-18.9%	1,191,000	40.8%	1,344,000	12.8%	3,149,000	5.8%	2,428,000	-22.9%	3,626,000	49.3%	3,955,000	9.1%
Contracting	1,014,000	-20.1%	1,029,000	1.5%	824,000	-19.9%	1,003,000	21.7%	3,238,000	2.1%	3,403,000	5.1%	2,392,000	-29.7%	2,987,000	24.9%
Hotel/Motel	190,000	12.4%	114,000	-40.0%	217,000	90.4%	250,000	15.2%	567,000	15.2%	306,000	-46.0%	639,000	108.8%	687,000	7.5%
Transient (Bed Tax)	506,000	14.0%	300,000	-40.7%	559,000	86.3%	646,000	15.6%	1,505,000	20.7%	806,000	-46.4%	1,651,000	104.8%	1,773,000	7.4%
Non-Recurring Business Activities	1,474,000	49033.3%	137,000	-90.7%	39,000	-71.5%	4,000	-89.7%	1,594,000	-2444.1%	863,000	-45.9%	186,000	-78.4%	1,291,000	594.1%
Amusements	103,000	14.4%	26,000	-74.8%	106,000	307.7%	146,000	37.7%	378,000	12.2%	115,000	-69.6%	378,000	228.7%	473,000	25.1%
All Other	90,000	-56.9%	43,000	-52.2%	136,000	216.3%	127,000	-6.6%	199,000	-99.5%	160,000	-19.6%	256,000	60.0%	248,000	-3.1%
Totals	15,577,000	12.5%	13,931,000	-10.6%	17,137,000	23.0%	17,482,000	2.0%	43,506,000	-45.2%	42,766,000	-1.7%	49,716,000	16.3%	51,942,000	4.5%
Retail Tax Revenues by Activities																
Automotive	1,301,000	12.5%	1,152,000	-11.5%	1,378,000	19.6%	1,370,000	-0.6%	3,632,000	7.2%	3,434,000	-5.5%	4,101,000	19.4%	4,080,000	-0.5%
Building Supply Stores	298,000	12.0%	328,000	10.1%	362,000	10.4%	409,000	13.0%	943,000	10.8%	1,042,000	10.5%	1,194,000	14.6%	1,337,000	12.0%
Department Stores	1,154,000	3.5%	1,120,000	-2.9%	1,305,000	16.5%	1,380,000	5.7%	3,095,000	3.0%	3,052,000	-1.4%	3,496,000	14.5%	3,692,000	5.6%
Drug/Small Stores	1,215,000	8.8%	1,221,000	0.5%	1,463,000	19.8%	1,452,000	-0.8%	3,465,000	11.0%	3,779,000	9.1%	4,058,000	7.4%	3,518,000	-13.3%
Furniture/Equipment/Electronics	491,000	-12.2%	610,000	24.2%	650,000	6.6%	578,000	-11.1%	1,812,000	1.2%	2,041,000	12.6%	2,337,000	14.5%	1,415,000	-39.5%
Grocery Stores	780,000	-1.8%	841,000	7.8%	826,000	-1.8%	894,000	8.2%	2,266,000	1.0%	2,498,000	10.2%	2,387,000	-4.4%	2,624,000	9.9%
Manufacturing Firms	783,000	2.2%	631,000	-19.4%	1,502,000	138.0%	500,000	-66.7%	2,057,000	-8.7%	1,841,000	-10.5%	3,178,000	72.6%	1,142,000	-64.1%
All Other Retail	1,766,000	3.3%	2,106,000	19.3%	2,664,000	26.5%	2,989,000	12.2%	5,573,000	8.4%	6,609,000	18.6%	8,324,000	25.9%	9,680,000	16.3%
Totals	7,788,000	4.1%	8,009,000	2.8%	10,150,000	26.7%	9,572,000	-5.7%	22,843,000	4.8%	24,296,000	6.4%	29,075,000	19.7%	27,488,000	-5.5%

Actual Compared to Budget Projection

Privilege Tax Revenue - General Fund (1.2%) 2022-23 Actual Compared to Budget

Monthly Amounts

	2022-23 Budget		2022-23 Actual	Over / (Under)	
	Percent	Amount		Amount	Percent
Jul	8.4%	\$ 11,776,000	\$ 11,159,000	\$ (617,000)	-5.2%
Aug	7.9%	11,161,000	10,641,000	(520,000)	-4.7%
Sep	8.0%	11,286,000	10,951,000	(335,000)	-3.0%
Oct	9.1%	12,834,000			
Nov	8.1%	11,429,000			
Dec	8.4%	11,853,000			
Jan	9.2%	12,938,000			
Feb	8.0%	11,201,000			
Mar	8.3%	11,718,000			
Apr	8.5%	11,896,000			
May	7.9%	11,053,000			
Jun	8.1%	11,430,000			
Totals	100.0%	\$ 140,575,000	\$ 32,751,000	\$ (1,472,000)	-1.0%

Cumulative Amounts

	2022-23 Budget		2022-23 Actual	Over / (Under)	
	Percent	Amount		Amount	Percent
Jul	8.4%	\$ 11,776,000	\$ 11,159,000	\$ (617,000)	-5.2%
Jul-Aug	16.3%	22,937,000	21,800,000	(1,137,000)	-5.0%
Jul-Sep	24.3%	34,223,000	32,751,000	(1,472,000)	-4.3%
Jul-Oct	33.5%	47,057,000			
Jul-Nov	41.6%	58,486,000			
Jul-Dec	50.0%	70,339,000			
Jul-Jan	59.2%	83,277,000			
Jul-Feb	67.2%	94,478,000			
Jul-Mar	75.5%	106,196,000			
Jul-Apr	84.0%	118,092,000			
Jul-May	91.9%	129,145,000			
Jul-Jun	100.0%	140,575,000			

Tax and License Annual Privilege Tax Revenue Projections

Method	Privilege Tax		Over / (Under)	
	Projected	Budget	Amount	Percent
% of Increase	\$ 136,575,000	\$ 140,575,000	\$ (4,000,000)	-2.8%
% Received	\$ 134,529,000	\$ 140,575,000	\$ (6,046,000)	-4.3%

Bed Tax Revenue - General Fund (5.0%) 2022-23 Actual Compared to Budget

Monthly Amounts

	2022-23 Budget		2022-23 Actual	Over / (Under)	
	Percent	Amount		Amount	Percent
Jul	7.1%	\$ 772,000	\$ 525,000	\$ (247,000)	-32.0%
Aug	9.0%	978,000	602,000	(376,000)	-38.4%
Sep	11.7%	1,276,000	646,000	(630,000)	-49.4%
Oct	12.6%	1,376,000			
Nov	8.4%	915,000			
Dec	7.9%	855,000			
Jan	5.6%	605,000			
Feb	6.1%	660,000			
Mar	6.8%	739,000			
Apr	7.4%	803,000			
May	8.4%	914,000			
Jun	9.1%	985,000			
Totals	100.0%	\$ 10,878,000	\$ 1,773,000	\$ (1,253,000)	-11.5%

Cumulative Amounts

	2022-23 Budget		2022-23 Actual	Over / (Under)	
	Percent	Amount		Amount	Percent
Jul	7.1%	\$ 772,000	\$ 525,000	\$ (247,000)	-32.0%
Jul-Aug	16.1%	1,750,000	1,127,000	(623,000)	-35.6%
Jul-Sep	27.8%	3,026,000	1,773,000	(1,253,000)	-41.4%
Jul-Oct	40.5%	4,402,000			
Jul-Nov	48.9%	5,317,000			
Jul-Dec	56.7%	6,172,000			
Jul-Jan	62.3%	6,777,000			
Jul-Feb	68.4%	7,437,000			
Jul-Mar	75.2%	8,176,000			
Jul-Apr	82.5%	8,979,000			
Jul-May	90.9%	9,893,000			
Jul-Jun	100.0%	10,878,000			

Tax and License Annual Privilege Tax Revenue Projections

Method	Bed Tax		Over / (Under)	
	Projected	Budget	Amount	Percent
% of Increase	\$ 11,512,000	\$ 10,878,000	\$ 634,000	5.8%
% Received	\$ 6,374,000	\$ 10,878,000	\$ (4,504,000)	-41.4%

Total General Fund Tax Revenue 2022-23 Actual Compared to Budget

Monthly Amounts

	2022-23 Budget		2022-23 Actual	Over / (Under)	
	Percent	Amount		Amount	Percent
Jul	8.3%	\$ 12,548,000	\$ 11,684,000	\$ (864,000)	-6.9%
Aug	8.0%	12,139,000	11,243,000	(896,000)	-7.4%
Sep	8.3%	12,562,000	11,597,000	(965,000)	-7.7%
Oct	9.4%	14,210,000			
Nov	8.2%	12,344,000			
Dec	8.4%	12,708,000			
Jan	8.9%	13,543,000			
Feb	7.8%	11,861,000			
Mar	8.2%	12,457,000			
Apr	8.4%	12,699,000			
May	7.9%	11,967,000			
Jun	8.2%	12,415,000			
Totals	100.0%	\$ 151,453,000	\$ 34,524,000	\$ (2,725,000)	-1.8%

Cumulative Amounts

	2022-23 Budget		2022-23 Actual	Over / (Under)	
	Percent	Amount		Amount	Percent
Jul	8.3%	\$ 12,548,000	\$ 11,684,000	\$ (864,000)	-6.9%
Jul-Aug	16.3%	24,687,000	22,927,000	(1,760,000)	-7.1%
Jul-Sep	24.6%	37,249,000	34,524,000	(2,725,000)	-7.3%
Jul-Oct	34.0%	51,459,000			
Jul-Nov	42.1%	63,803,000			
Jul-Dec	50.5%	76,511,000			
Jul-Jan	59.5%	90,054,000			
Jul-Feb	67.3%	101,915,000			
Jul-Mar	75.5%	114,372,000			
Jul-Apr	83.9%	127,071,000			
Jul-May	91.8%	139,038,000			
Jul-Jun	100.0%	151,453,000			

Tax and License Annual Privilege Tax Revenue Projections

Method	Total Tax		Over / (Under)	
	Projected	Budget	Amount	Percent
% of Increase	\$ 147,987,000	\$ 151,453,000	\$ (3,466,000)	-2.3%
% Received	\$ 140,373,000	\$ 151,453,000	\$ (11,080,000)	-7.3%



Downtown Improvements Updates

For a detailed update on the Downtown Improvements, please see page 2.

Julian Dresang, PE, (480) 350-8025, julian_dresang@tempe.gov



UPCOMING PROJECTS AT-A-GLANCE

Mill Avenue Bridges – String Light Replacement
Festoon Lighting – 4th Street, 6th Street
Mill Avenue Streetscape & Infrastructure
Fifth Street Streetscape

West City Hall Parking Lot & Public Restrooms
Facility Safety “Hardening”
Pedestrian “Scramble”

Request for Qualifications (RFQ) Advertised!

The RFQ for professional design services for the Downtown Streetscape Improvements on Mill Avenue (Rio Salado Parkway to University Drive) is currently advertised, with responses from interested consultants due November 15th, 2022, by 4:00 p.m. Engineering staff will work quickly to get the selected design firm under contract to begin the design.



The Conceptual Design Plans that are included with the advertisement are available for public viewing at the following link:
<https://www.tempe.gov/home/showpublisheddocument/98864/638022779879700000>



PROJECT UPDATES

Mill Avenue Bridges – String Light Replacement: Transportation Maintenance and Procurement are finalizing negotiations with a lighting vendor. If approved, the lighting vendor will order materials and schedule installation for late Spring 2023.

Festoon Lighting – 4th Street, 6th Street: Engineering staff is actively coordinating with the design consultant and street light pole vendors to identify poles that meet the structural and aesthetic needs of the project. Construction is anticipated to begin in Spring 2023.

Fifth Street Streetscape: Engineering staff is finalizing negotiations with a design consultant to update the Fifth Street design plans based on feedback received from the Mayor and Council. Final design plans are anticipated to be complete by the end of this fiscal year so that construction can begin when funding becomes available in Fiscal Year 2023/24.

West City Hall Parking Lot & Public Restrooms: Engineering staff is working to include this project with the Fifth Street Streetscape project. Like the Fifth Street project, construction funding becomes available in Fiscal Year 2023/24.

Facility Safety “Hardening”: Engineering staff will be implementing these elements into nearby projects. Hardening elements in front of City Hall and the Police/Courts building will be included in the Fifth Street project, while elements in front of the 525 Building will be included in the Mill Avenue Streetscape or another future project.

Pedestrian “Scramble”
Transportation staff will be collecting data in Spring 2023.

OUTREACH

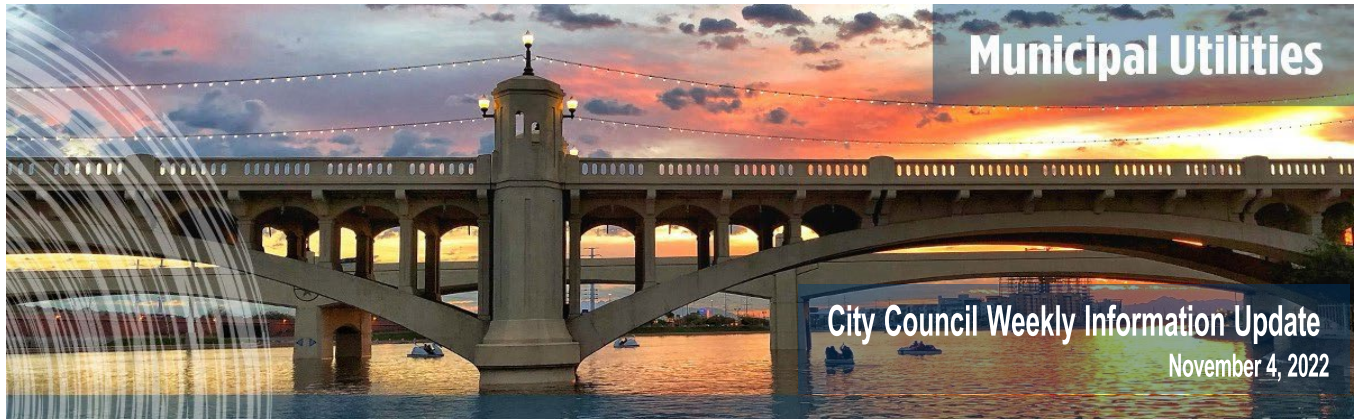
Outreach efforts continue to include the Downtown Tempe Authority and local businesses. Future outreach events will be included in future updates.

TEMPE TEAM

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Tempe addresses aging infrastructure, reduces waterline breaks

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While attention to water main breaks in Tempe has risen recently, actual breaks throughout the city have declined over the past several years, reducing from a 15-year high of 82 in 2016 to a low of 36 in 2021. Crews have responded to 42 breaks as of October 2022.

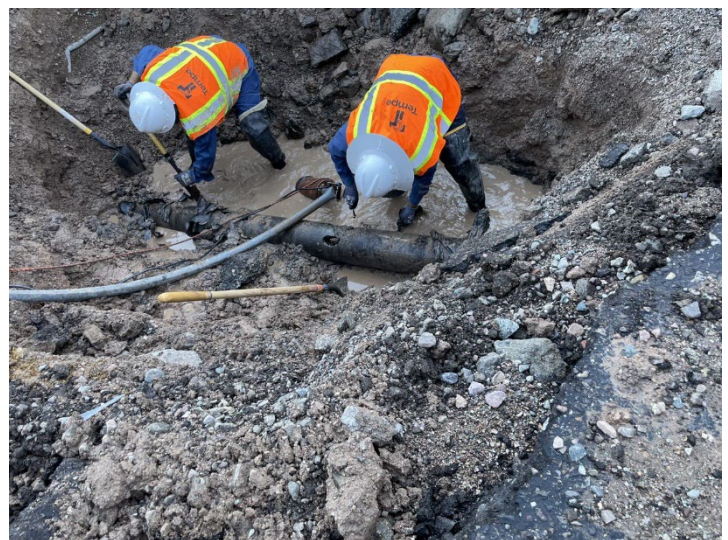
One reason for the added attention to water main breaks is a change in Tempe’s reporting system. In 2018, the city implemented a Water Emergency Communication/Outreach Guideline that outlines operation and communication response processes based on criteria, such as location disturbance, water service disruption, transportation impact and overall damage. This more robust reporting system created “tiers” to rank severity of the break (i.e., Tier 1, least severe; Tier 3 most severe). Prior to the Summer of 2022, only Tier 3 breaks were reported to City Council. **Currently, all three tiers are being reported.**

The system sets into action a city-wide plan for notifying internal staff (i.e., those from Communications & Marketing, Risk Management, Police, Environmental Services and Neighborhood Services), who, in turn, notify customers, Mayor and Council and the media, if needed. Communication efforts can range from placing door hangers throughout neighborhoods to social media updates and press conferences, depending on the severity of the break.

Water main breaks happen for numerous reasons. Age, accident, pressure changes and corrosive soils are the most common. The average age of water mains when they fail is 47 years; however, 43% of water mains are between 20 and 50 years old, with 28% well more than 50 years.

To mitigate breaks in Tempe, the Water Utilities Division (WUD), along with the Engineering and Transportation’s Engineering Division, has implemented waterline replacement projects as part of its greater asset management program. This program aligns with City Council’s Strategic Priority for Safe and Secure Communities.

WUD, in addition to overseeing the wastewater collection system, is responsible for maintaining and repairing the entire water distribution system,



From 2012-2018, water main breaks increased by 27% nationwide, according to the American Water Works Association.

which includes about 860 miles of water lines, 27,000 water valves, 9,000 fire hydrants, 14 wells and three booster stations. To date, about 38.5 miles of water mains have been replaced, with another 4.8 miles currently being designed for replacement and scheduled to start construction in the summer of 2023.

Tempe's water mains are comprised of varying pipe materials.

- Cast iron pipe (oldest)
- Ductile iron pipe (newest)
- Asbestos Cement Pipe
- Steel Transmission Main

The vast majority (about 87%) of pipes in North America are made of cast iron. This material's break rate has increased as much as 43% in recent years. Cast iron represents 187 miles (21%) of Tempe's total pipe and 76% of its breaks. Ductile iron represents 31% of Tempe's total pipe (273 miles) and just 7% of its breaks; hence, WUD is prioritizing replacement of cast iron over other types of pipe.



With so much complexity and so many pipes working to serve our community, water main breaks can happen anywhere and at any time.

Why water mains break

Water main breaks happen for different reasons. Age, accident, pressure changes or corrosive soils are the most common.

Excavation work - When contractors, utility workers or homeowners dig into the ground, they can strike water pipes with a tool as simple as a shovel or, more commonly, heavy excavation machinery.

Pipe age and material - Water mains installed before 1980 often were made of cast iron, which is brittle and does not expand and contract easily with temperature changes. If your pipes are decades old, it may be time to examine their status.

Pressure changes - Pressure inside a water main can change through temperature changes or when fire hydrants are opened or closed too quickly.

Ground settling - Pipes running beneath the ground can become stressed over time as the soil around a water main settles.

Corrosive soils - Some soils are corrosive and can eat away at iron and other metal pipes.

COMMUNITY SERVICES UPDATE

November 4, 2022

Special Events Update: November 4 - November 20

The Special Events Task Force Committee works with event producers up to 12 months in advance to ensure that administrative and operational logistics are addressed before the event receives final approval.



Date	Event	Location	Notation
11/4	Forever 80s Concert	FABRIC	Charity Fundraiser
11/4	Gethsemane Church Oktoberfest	Gethsemane Church	Community Event
11/4	Performances at Museum	Tempe History Museum	Live Music Event
11/5	Moving Day Walk	Kiwanis Park	Charity 5k
11/5	SWIHA Fall Festival	SW Institute of Healing	Arts Festival
11/5	Splash & Dash	Tempe Town Lake	Run/Swim
11/5	Walk to Save Animals	Tempe Beach Park	Charity 5k
11/6	Walk for 1 in 100	Diablo Stadium	Charity Walk
11/5	Pedal Haus Extension	Pedal Haus	Extension of Premises
11/10	Noche para los Ninos	AZ Heritage Center	Charity Fundraiser
11/10-12/15	Little Cholla	Culdesac Tempe	Community Event
11/11	Veterans Day Parade	Mill Avenue	Parade
11/11	Apocalypse Defiance Circus	Kiwanis Park	Street Theater Event
11/12	Water Lantern Festival	Kiwanis Park	Food & Music Festival
11/12	Veterans Day Run	Kiwanis Park	5k Run/Walk
11/12	Sun Devil Triathlon Classic	N. Linear Tempe Town Lake	Collegiate Triathlon
11/13	AZ Run for the Fallen	Baseline Road	147 Relay Run
11/17-1/1	Candy Rush	Diablo Stadium	Formerly Illumination
11/18	ASU Lantern Walk	Tempe Butte	Homecoming Event
11/18-20	ASU Homecoming Block Party	ASU and University Drive	Homecoming Event
11/18-19	Dayspring Holiday Boutique	Dayspring Church	Annual Fundraiser
11/19	Pedal Haus Extension	Pedal Haus	Extension of Premises
11/19	Party for the Paws	FABRIC	Charity Fundraiser
11/19	ASU Homecoming Parade	ASU and University Drive	Homecoming Event
11/19	Full Moon Festival	Sun Studios	Art & Culture
11/19	Hawker Street Market	Library Complex	Cultural Night Market
11/20	Ironman Arizona	Town Lake & Streets	Triathlon

For additional information on activities, events, and things to do in and around Tempe, visit: **Tempe Center for the Arts** (Tempe.gov/ICA), **Downtown Tempe Authority** (Downtowntempe.com/explore), and **Tempe Tourism** (Tempetourism.com).

