



TUCSON, ARIZONA

CREDIT RATING AGENCY PRESENTATION MAY 2017





Presentation Team

City of Tucson

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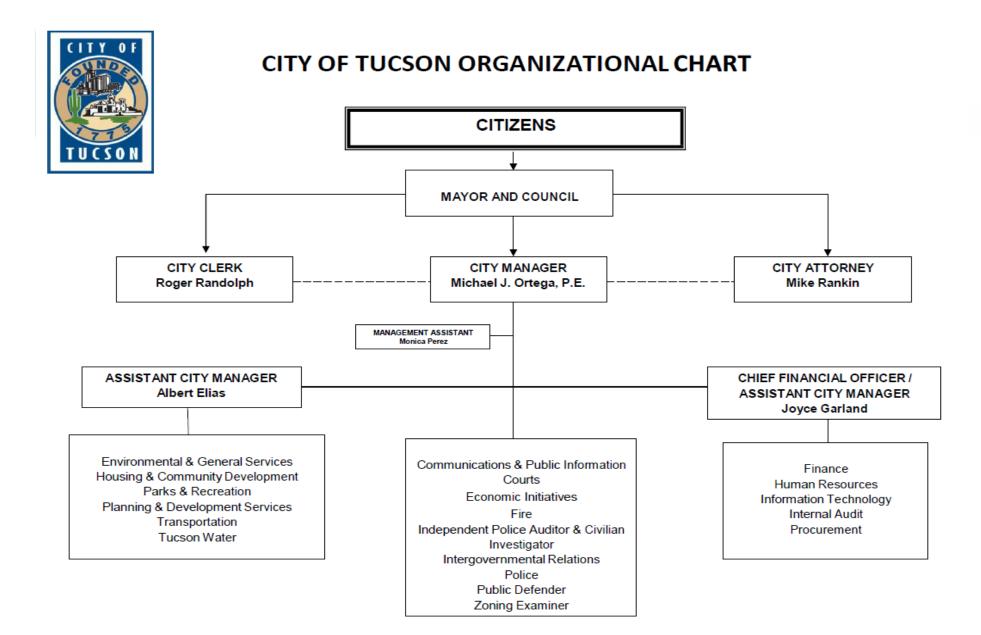
Agenda

- Upcoming Debt Issuance
- City Management
- Economic Environment
- General Fund Overview
- Water Utility Overview



Upcoming Debt Issuance

- General Obligation Bonds
 - □ New money ~ \$20M
 - Street and road improvements
 - □ Refunding for interest savings ~ \$10M
- Water Revenue Obligations
 - □ New money ~ \$30M
 - Capital improvements
 - □ Refunding for interest savings ~ \$85M



Revised 05/18/2017



ECONOMIC ENVIRONMENT



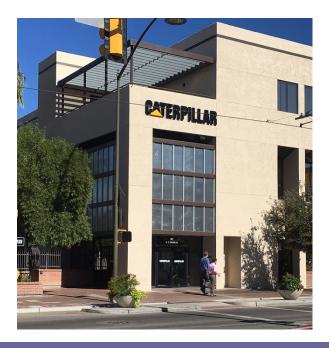
Tucson Community Overview

- State legislative session
- New University of Arizona President
- Passage of Prop. 101
- Pima County increased primary property tax
- Continued economic growth and activity
- Internal focus on business operations
 - Business Services transformation
 - Tucson Water 'Deep Dive'



2016 Economic Impact

- Mayor and Council committed to Economic Development
- In August of 2016, Bloomberg reported that Tucson had the third-fastest job growth of any metro area in the country
- Caterpillar Inc., Surface Mining and Technology offices began moving to Tucson in May 2016, estimated economic impact over five years, \$600M
- Projected Revenue Approximately \$550K
 - Valencia Reserve Annexation
 - Children's Memorial Park Annexation
- Future Revenue Impact
 - □ Vector Space Systems \$290M
 - HomeGoods distribution center \$900M
 - Comcast \$385M
- Revenue impact includes direct and indirect sales tax, use tax and property tax



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Economic Expansion Efforts 2016 - 2017

Raytheon Missile Systems

- Successful expansion project
- □ New jobs: 1,975
- Annual payroll: \$217.6M
- □ Average wage of new jobs: \$110K
- Building and Infrastructure capital investment: \$233.8M
- □ Equipment purchases: \$258.5M
- Revenue impact to the City of Tucson:
 \$2.43M annually
- Partners
 - Arizona Commerce Authority
 - Pima County
 - Tucson International Airport Authority



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Economic Retention Efforts 2016 - 2017

Hexagon Mining

- Successful retention effort
- New Jobs Created: 119
- □ Annual Payroll: \$13.1M
- Average Wage of New Jobs: \$110K
- □ Equipment Purchase: \$2.5M
- New revenue to the City of Tucson: \$377K
- Partners
 - Pima County
 - Rio Nuevo



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Downtown Activity 2016 - 2017

AC Marriott

- Opening late summer 2017
- □ 130 rooms
- □ 5,000 square feet commercial space
- \$32M Total Cost

Incentives

- GPLET
- HUD 108
- Site Specific Sales Tax
- Arizona Avenue Infrastructure Improvement
 - Water line
 - Gas line
 - Repave





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Downtown Activity 2016-2017

- New businesses: 30
- Construction Projects: \$190.5M
 - □ Hotels
 - Retail & Event Centers
 - □ Mixed Use Complexes
 - □ Affordable Housing
 - Bus Terminal
- New homes completed and under construction:
 - Market Rate: 381
 - □ Low-income & Senior: 177
 - □ Affordable: 120







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Tucson Job Growth

- 373,400 jobs in Tucson in March 2017
- Tucson gained 1,800 new jobs from April 2016 to March 2017 resulting in a net job growth of 600 jobs.



CES Employment Data Year Period **Employment** 2016 372,800 April 2016 373,000 May 2016 June 372,500 2016 July 373,800 2016 August 373,000 2016 September 376,300 2016 October 377,500 2016 November 375,600 2016 December 373,600 2017 January 373,000 2017 February 372,500 2017 March 373,400

Source: US Department of Labor - Bureau of Labor Statistics (www.bls.gov)

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Tucson Unemployment Rate

- 4.4% unemployment rate as of March 2017
- The rate has been below 5.0% for the last six months
- Rate is lower than state (5.0%) and national (4.5%)

Une	mployme	ent Data	10-
Year	Period	Rate %	
2016	April	4.9	
2016	Мау	5.0	
2016	June	5.7	툴 ^{7.5-}
2016	July	5.8	
2016	August	5.4	
2016	September	5.2	for the second s
2016	October	4.8	
2016	November	4.4	
2016	December	4.3	V
2017	January	4.8	2.5
2017	February	4.7	01/07 01/08 01/09 01/10 01/11 01/12 01/13 01/14 01/15 01/16 01/17
2017	March	4.4	Month

Source: US Department of Labor - Bureau of Labor Statistics (www.bls.gov)

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May <u>2017</u>

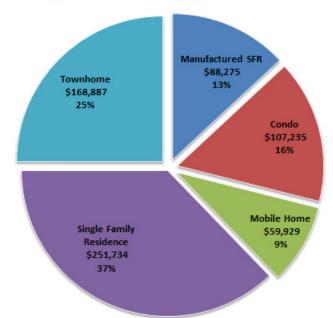


Local Housing

- Trends in local housing market
 - □ Average list price of \$230,186 up 5.07% from March 2016
 - □ Average days on the market down 10 days from March 2016 average of 57
 - □ Total sales volume up 15.47% from March 2016 total of \$315M
 - □ New listings total 2,264 in March 2017; up 0.22% from March 2016

Single Family Building Permits						
2018 Projected	700					
2017 Estimated	650					
FY 2016 Actual	547					
FY 2015 Actual	515					
FY 2014 Actual	293					
FY 2013 Actual	455					

			Average Sales	
	Median Sales Price	% Change	Price	% Change
17-Mar	\$214,000	20.87%	\$251,734	18.19%
16-Mar	\$177,050	2.94%	\$212,988	2.07%
15-Mar	\$172,000	6.17%	\$208,673	4.09%
14-Mar	\$162,000	7.96%	\$200,479	4.48%
13-Mar	\$150,050	12.90%	\$191,881	14.11%
12-Mar	\$132,900	6.32%	\$168,153	2.79%
11-Mar	\$125,000	-20.73%	\$163,590	-18.90%
10-Mar	\$157,680		\$201,710	
Source: Tuo	cson Association of Re	ealtors		



Average Sales Price by Type - March 2017

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GENERAL FUND OVERVIEW



Fiscal Year 2016 General Fund Results

FY 2016 General Fund	
Total Revenue, transfers In & Other Financing Sources	\$525.4
Total Expenditures, Transfers Out, & Financing Uses	\$515.2
Net Revenue	\$10.2

Fund Balance					
Beginning Fund Balance	\$65.7				
Net Revenue from FY2016	\$10.2				
Ending FY 2016 Fund Balance	\$75.9				



FY 2017 General Fund Update

Preliminary Projection (numbers in millions)

Based on Third Quarter Results

Revenues	\$494.2
Expenditures	(422.5)
Subtotal	71.7
Less Subsidies:	
Transit System	(44.9)
Tucson Convention Center	(4.5)
Development Impact Fee	(0.1)
Net Change to Fund Balances	\$ 22.2



FY 2018 Recommended Budget Highlights

- Citywide budget totals \$1.427 billion
 - □ General Fund \$488 million
 - □ Enterprise/Restricted Funds \$939 million
- FY 2018 General Fund continues to be structurally balanced
 No use of one time funds for recurring expenditures
 No COLA's/Merit increases
- Thorough review of City wide departments and business functions
 - □ Reorganization to achieve economic efficiencies citywide
 - □ Combining functions in HR, Budget/Finance and City Manager's Office
 - □ Internal Service Fund Transfer and 911 Consolidation
 - □ City and County Court consolidation
- Increase in revenues
 - □ Passage of Prop. 101
 - □ 2 Year Transit Fee strategy \$1.1 million
 - 2nd year of Water Rate Increase



General Fund Revenue

General Fund Revenues (millions)	FY 15/16 Actuals	FY 16/17 Estimated	FY 17/18 Recommended	Dollar Change from Estimated	Percent Change
Sales Tax	\$ 194.1	\$ 196.3	\$ 199.4	\$ 3.1	1.6%
Primary Property Tax	14.0	14.3	15.1	0.8	5.6%
Other Local Taxes	43.9	50.0	52.9	2.9	5.8%
State Shared Revenue	133.7	138.0	141.0	3.0	2.2%
Licenses and Permits	28.6	31.5	29.7	(1.8)	-5.7%
Fines and Forfeitures	12.2	9.2	10.7	1.5	16.3%
Charges for Services	29.7	29.7	50.0	*20.3	68.4%
Administrative Charge	12.8	13.3	13.3	-	0.0%
Use of Money and Property	1.2	0.5	0.5	-	0.0%
Other Agencies	1.3	1.6	2.3	0.7	43.8%
Non-Grant Contributions	4.9	6.4	5.5	(0.9)	-14.1%
Sale of Property	13.8	0.1	2.5	2.4	2400.0%
Other Revenues	3.5	1.4	4.5	3.1	221.4%
In Lieu of Tax	1.6	1.9	1.9	_	0.0%
Bond Proceeds/Debt Issuance Premium	30.2	1.9	1.9	_	0.0%
Revenue Total	525.5	496.1	531.2	35.1	7.1%

*Change due to combining internal service funds transfer with General Fund and recording charges as part of the General Fund activity

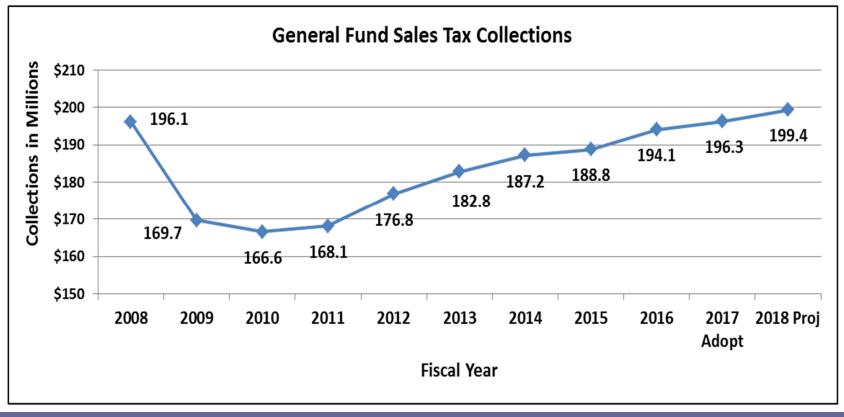
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Local Privilege Sales Tax

Sales taxes comprise 38% of total General Fund budget

- □ Projected in FY18 \$199.4M, 1.6% increase over FY17
 - Does not include half-cent sales tax increase

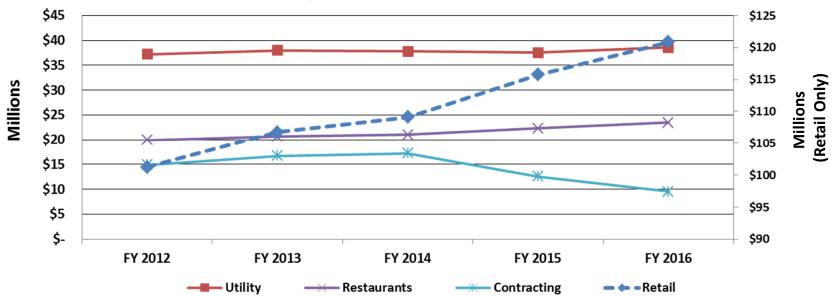


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Historical Sales Tax by Major Category

Major Sales Tax Remitters



- Retail continues to grow
- Utility tax steadily growing
- Restaurant steadily growing
- Contracting legislation changes have created a down trend



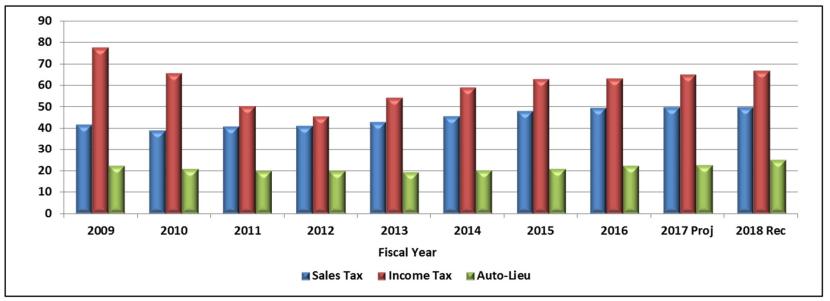
State Shared Revenues

- State shared revenues comprise 27% of FY17 General Fund budget
 FY18 recommended \$141.0M, 2.9% increase from FY17 estimate
- Revenues from three sources:
 - Sales taxes
 - Income taxes
 - □ Vehicle license taxes (Auto-Lieu)
- Revenues steadily increasing
- Amounts distributed by State based on formula driven by population
- Minimal impacts from mid-decade census



State Shared Revenues – Closer Look

- State shared sales taxes budgeted at \$49.5M for FY18
 - Same as the FY17 estimate
- State shared income taxes budgeted at \$66.7M for FY18
 \$246K or 0.38% more than the FY17 estimate
- State shared vehicle license taxes budgeted at \$24.7M for FY18
 \$478K or 2.13% more than the FY17 estimate

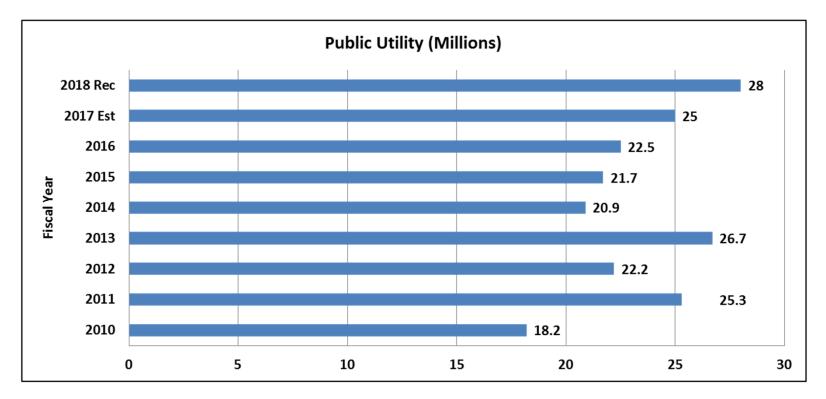


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Public Utility Tax

- City Charter authorizes tax on public utility and telecommunication providers
- Tax rate increased .5% by Mayor and Council in FY17; current rate is 4.5%
 - Tucson Electric Power rate increase
 - □ Water Utility rate increase



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General Fund Balance (Cash Carryforward)

_									Pro	jected	Rec	ommended
As of June 30:		2013		2014		2015		2016		2017		2018
Nonspendable	\$	7.9	\$	10.5	\$	11.2	\$	4.5	\$	4.5	\$	4.5
Restricted/Committed*		32.0		33.8		34.5		34.7		36.2		35.6
Assigned		1.7		6.5		4.3		8.5	Г	27.8		12.3
Unassigned		12.8		16.0		15.7		28.3		29.6		34.7
TOTAL:	\$	54.4	\$	66.8	\$	65.7	\$	76.0	\$	98.1	\$	87.1
	* Co	ommitted	amo	ounts inclu	ıde	\$22.8M set	t asi	de for sta	biliza	ation.		
									Pro	jected	Rec	ommnded
			Ass	igned					:	2017		2018
			In	nprest Cas	h				\$	0.6	\$	0.6
			Tr	ansit Fuel	Buf	fer				1.0		1.0
			Ro	oute Enhar	ncer	nents				0.8		-
			Se	elf-Insuran	ice l	Medical Pla	an S	et Aside		1.7		0.2
			0	ne-time di	stri	bution to e	emp	oloyees		2.6		-
			Public Safety /Local pension payment					7.9		5.9		
V			Ρι	ublic safet	у ре	nsion emp	oloy	ee refund	ł	2.0		-
		\leq	El	ections						0.8		-
			A	cella (pern	nits	software)				1.7		-
			EF	RP (accoun	ting	software))			1.8		1.5
			Fi	re/Police \	Veh	icles				3.2		-
			Fι	uel Conting	gen	cy Account				1.1		-
			0	perating C	onti	ingency				2.6		-
			V	ehicle Rep	lace	ement/Ma	inte	nance ¹		-		2.3
			Вι	uilding Ma	inte	nance ¹				-		0.8
							Sub	ototal	\$	27.8	\$	12.3

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Managing Employee Costs

- Staffing Levels
 - Retirement incentive for PSPRS Employees
 - No pay raises or COLA's across the board
 - Strategic review of classification and compensation
 - One time distribution
- Cost of Employee Compensation
 - Tucson Supplemental Retirement System (TSRS)
 - Public Safety Personnel Retirement System (PSPRS)

- Re-organization
 - Business Services transformation
 - 311 Portal
 - 911 consolidation
 - □ City/County Court consolidation
- Healthcare Benefits and Other Post Employment Benefits
 - □ Reviewing benefits structure
 - Absorption of FY17 and FY18 costs
 - □ Self-Insurance FY19



Total Citywide Personnel Expenditures

				Dollar Amount	5
	Adopted	Projection	Recommended	Change	Recommended
Personnel Costs	FY 2017	FY 2017	FY 2018	Inc/(Dec)	Variance
Salary and wages	224,297,590	219,121,700	229,631,960	10,510,260	4.8%
Extra and overtime	17,262,860	20,040,500	20,308,220	267,720	1.3%
Employer Pension Contributions:					
Police	36,870,740	36,611,950	50,510,160	13,898,210	38.0%
Fire	25,741,260	26,016,960	32,458,300	6,441,340	24.8%
TSRS	34,552,260	31,100,270	35,705,530	4,605,260	14.8%
FICA	10,820,360	11,180,680	11,091,020	(89,660)	-0.8%
Group Health Plans	44,781,630	41,381,680	46,790,170	5,408,490	13.1%
Sick leave paid out upon retirement	289,610	714,920	512,530	(202,390)	-28.3%
Compensation for earned leave accrual	2,501,590	2,544,970	2,539,780	(5,190)	-0.2%
Other personnel expenditures	2,551,540	8,857,710	12,313,480	3,455,770	39.0%
Total	399,669,440	397,571,340	441,861,150	44,289,810	11.1%



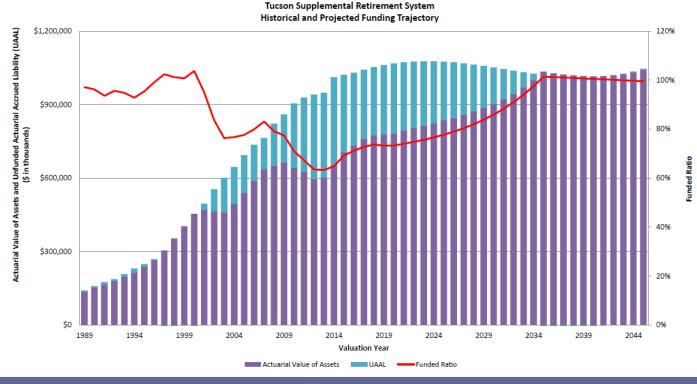
Tucson Supplemental Retirement System

- TSRS is governed by the City of Tucson for its general employees (non-public safety)
 - 2,495 actives and 2,945 retirees
 - Assumed Rate of Return is 7.25%, unchanged from prior year
 - For the year ended June 30, 2016, TSRS portfolio earned 2.38%
- FY 2018 adopted contribution rates are 106% of annual required contribution
- □ FY 2018 contribution rates are unchanged from prior year:
 - Employer: 27.50%
 - Employees hired before 7/1/06 5.0%
 - Employees hired between 7/1/06 06/30/11 6.75%
 - Employees hired after 06/30/11 5.25%



TSRS Funding Policy

- Funded level on an actuarial basis is 71.1% as of 6/30/16
- Net Pension Obligation of \$303.9M as of 6/30/16
- Plan modifications have been implemented to stabilize contribution rates and improve long-term sustainability



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Public Safety Personnel Retirement System

- General fund contributions for FY18 are \$17.3M higher than FY17
 - □ PSPRS is governed by Arizona Revised Statutes
 - □ Police: 842 Active, 964 Retiree and DROP participants
 - □ Fire: 582 Active, 608 Retiree and DROP participants
 - \Box Funded ratios as of 06/30/2016:
 - Police: 36.62%, Fire: 33.71%
 - □ Prefunded FY17 contributions according to following schedule:

Date Transferred	Pre-funding Amounts
07/27/16	\$20,000,000
10/26/16	\$30,000,000
03/23/17	\$1,800,000
05/02/17	\$12,600,000

□ Prefunding FY18 actuarial contribution, approximately \$81.7M



PSPRS – Recent Legislation

- Hall Court Case: 3-2 Decision November 10, 2016
 - Restores Permanent Base Increases (PBIs) for those retired <u>after</u> July 1, 2011 and current active members*
 - Reverses changes to employee contribution rates for those that became plan members on or before July 19, 2011
 - Due to elimination of PBIs and implementation of COLAs, plan actuary expects impact of ruling to be limited to:
 - Possible reduction in assets due to refund of member contributions
 - Possible retroactive adjustments to prior PBI payments

*PBI will be eliminated and replaced by a COLA effective July 1, 2017 with passage of Proposition 124 in May 17, 2016 election



Property Tax History

Fiscal Year	Primary	Secondary	Involuntary Tort	Combined
2012/13	0.4125	0.8514	0.0317	1.2956
2013/14	0.5245	0.9059	0.1032	1.5336
2014/15	0.4829	0.9777	0.0443	1.5049
2015/16	0.5326	1.0634	0.0812	1.6772
2016/17	0.5348	1.0634	0.0785	1.6767
2017/18 Proj	0.4581	0.9761	0.0767	1.5109

- \$100 million GO Bond authorization approved by Tucson voters in November 2012
- 5th and final issuance of a planned city street improvements 5 year program
- Estimated average rate increase in 2012 was 33 cents now estimated at 30 cents.
- Property tax reduction is generated by a decrease in the tort liability claims.



Prop 101 Election Results

- Prop 101 Half-cent Sales Tax Increase for Streets and Public Safety
 - □ \$250M projected to be collected over a five-year period
 - \$100M Restore, repair, and resurface city streets
 - \$150M Vehicles, equipment and facilities for Police and Fire
 - Two Citizen oversight committees to be appointed by Mayor and Council and the City Manager
 - □ Tax will sunset after 5 years
- Election passed with 61.48% voter approval



WATER UTILITY OVERVIEW



Context: Policy Framework

- Mayor & Council Policies
 - Debt Service Coverage
 - □ Cash reserves
 - □ Annual review of rates and charges
- Bond Covenants/Rating Agencies
 Debt Service Coverage (Sr. Lien)
 Working Capital days of O&M





Tucson's Current Water Resources

Colorado River Water



Groundwater



Rainwater & Stormwater



Reclaimed Water



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Colorado River Considerations

- Tucson is prepared for a shortage
- Tucson supports the Drought Contingency Plan (DCP/DCP+), Minute 32x, and Tribal ICS
- Tucson-Phoenix inter-AMA (Active Management Area) exchange is successful
 - System use agreement is in place
 - □ 36,500 AF from Phoenix in 2017
- Tucson's shortage defenses include:
 - Conservation
 - Diverse water portfolio
 - □ M&I (Municipal & Industrial) Priority
 - Large allocation and banked water
 - Arizona Water Banking Authority
 - □ Local and regional partnerships
 - Groundwater back-up





Water Quality Considerations

TARP & AOP (Tucson Airport Remediation Project & Advanced Oxidation Process)

- TCE has been in compliance since the 1990's
- 1,4 Dioxane is being treated and a new ROD (Record of Decision) is upcoming
- Seeking O&M cost reimbursement
- PFOA/PFOS (Perfluorinated Compounds)
 - Along with 1,4 Dioxane in Northwest Tucson shutdown several wells
 - Piloting a well-head treatment

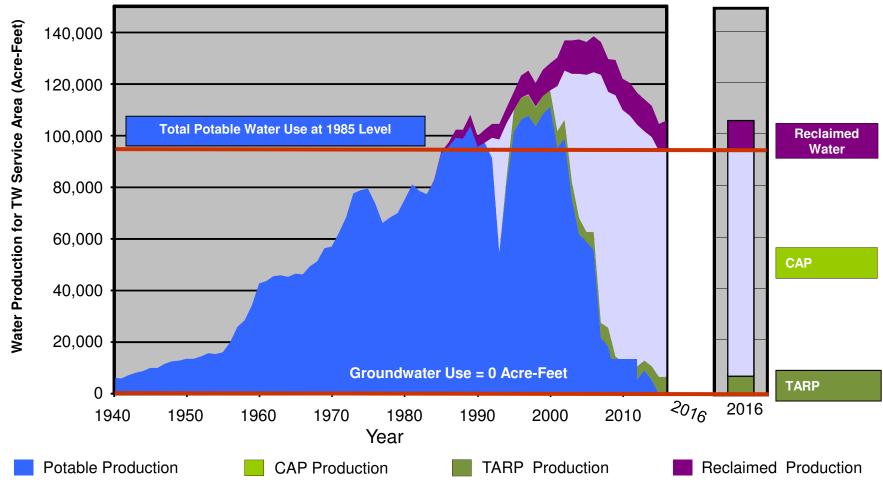
Chromium VI – naturally occurring

- All results below health-based guidance
- Tracking for possible future treatment (if ever needed)





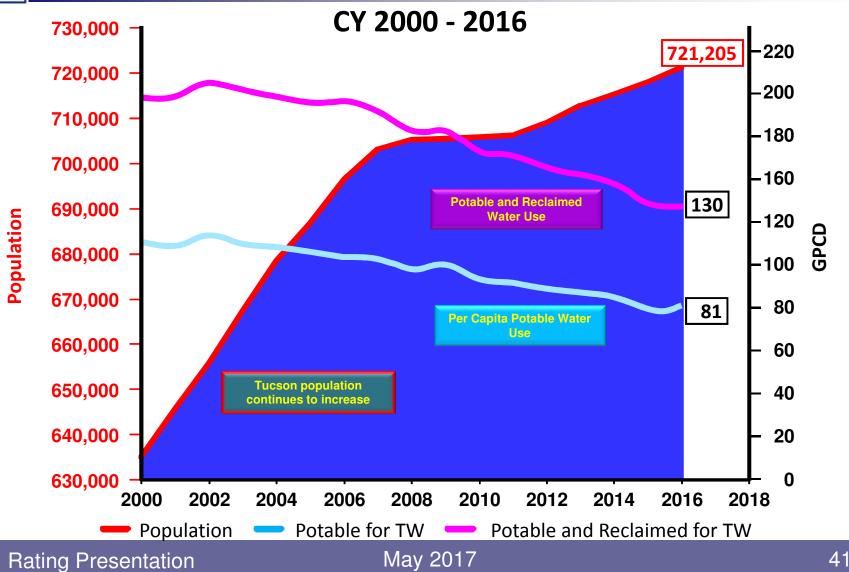
Water Production (1940-2016)



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Population vs Water Production for Tucson Water Service Area





Three-Step Rate Review Process



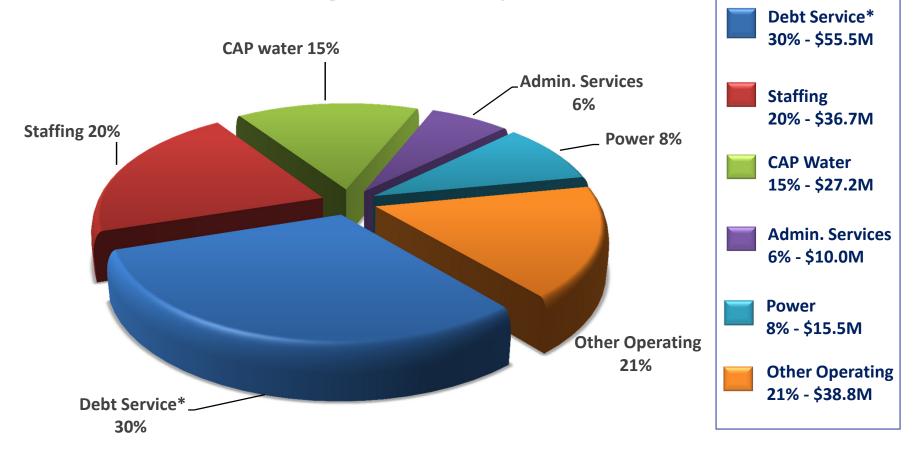
7.0% revenue increases for FY17 and FY18 approved by Mayor and Council in May 2016

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Operating & Maintenance FY 2018

\$183.7M Proposed Budget

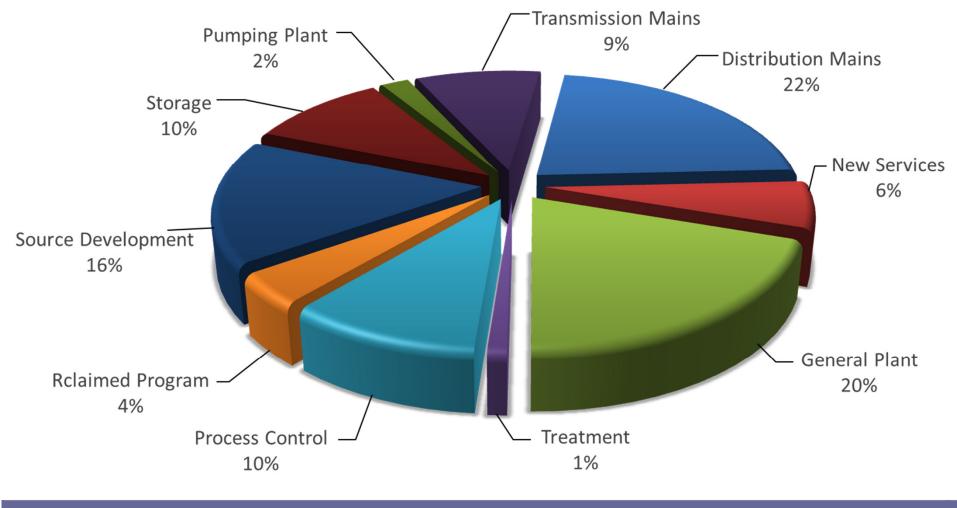


*Debt Service will be lower due to 2017 refunding series.

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Capital Budget FY 2018 - 2022 \$302.3M



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Revenue Forecast Comparison

	2016 Actuals	2017 Planned	2017 Projected	Projected vs Planned Variance
Potable Water Sales	\$163.8M	\$173.7M	\$173.9M	0.1%
Non-Potable Sales	\$9.0M	\$9.2M	\$9.3M	1.1%
Growth Related Fees	\$2.8M	\$2.6M	\$2.8M	7.7%
Other Revenues	\$16.6M	\$26.6M	\$25.3M	-4.9%
Total	\$192.2M	\$212.1M	\$211.3M	-0.4%

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Expenditure Forecast Comparison

	2016 Actuals	2017 Planned	2017 Projected	Projected vs Planned Variance
O & M Expenditure	\$104.1 M	\$106.8 M	\$101.6 M	-4.9%
Debt Service	\$50.9 M	\$53.3 M	\$54.3 M	1.9%
Admin Service Charge	\$7.7 M	\$7.7 M	\$7.7 M	0.0%
Payment In Lieu of Taxes	\$1.6 M	\$2.0 M	\$1.9 M	-5.0%
Other Requirements*	\$5.5 M	\$8.3 M	\$8.4 M	-1.2%
Total O&M	\$168.8 M	\$178.1 M	\$173.9 M	-2.4%
Capital Spending	\$50.7 M	\$56.1 M	\$56.7 M	1.1%

*Other Requirements include taxes, low income assistance and capital equipment costs.

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FY 2017-2022 Adopted Financial Plan

Working Capital/Cash Reserves

Year	2017*	2018*	2019*	2020*	2021*	2022*
Working Capital	\$48.9M	\$31.8M	\$32.9M	\$34.3M	\$36.3M	\$44.1M
Days Working Capital	152	95	95	95	95	110

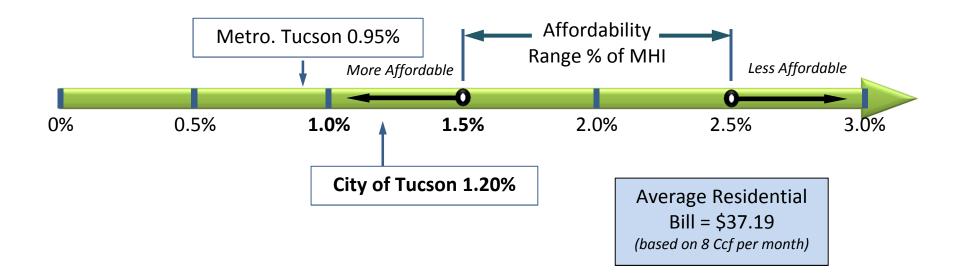
*Reflects FY ending June 30th

- Actual Cash on hand at end of FY 2016 was \$46.8 M
- The planned Working Capital for 2017 included \$13 M in carry-forward funds for CIP Projects
- Planned FY 2018 assumes a spend down of the carry-forward funds for capital



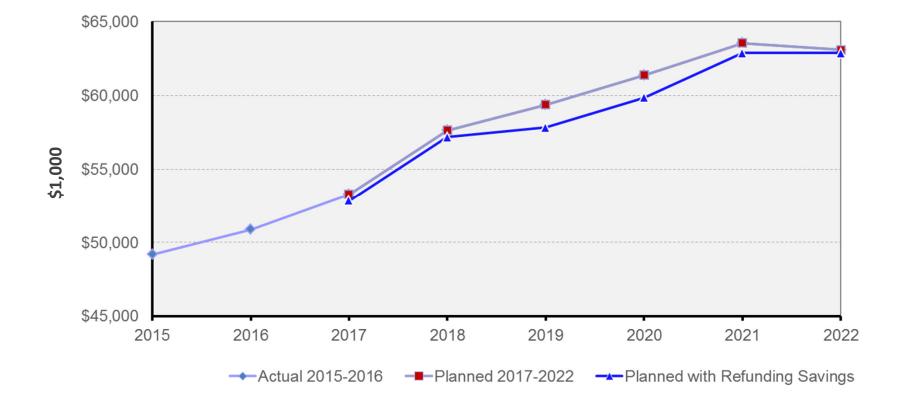
Measuring Affordability

Affordability Range by % of Income





Tucson Water Annual Debt Service





FY 2017-2022 Financial Plan

Debt Service Coverages

Year	2017	2018	2019	2020	2021	2022
All Debt ¹	174%	168%	170%	174%	174%	187%

¹M&C Policy is 175% or greater; FY 2016 Actual All Debt coverage was 166%

Year	2017	2018	2019	2020	2021	2022
Sr. Lien Coverage ²	201%	192%	191%	195%	194%	205%

²Bond covenant = 175% or greater; FY 2016 Actual Sr. Lien Debt Coverage was 182%



Water's 'Deep Dive' for Continuous Process Improvements

Financial Services:

- □ Conservation (blocks, summer rates) vs. Revenue Stability (base rate)
- □ Reclaimed Rates; Differential Rates Inside/Outside City
- □ Census Tract Data & Rate Affordability
- Multi-year Financial Planning and Rate Setting Scenarios

Customer Service:

- □ Staffing, Training, and Technology
- Business Desk, Low Income Program

Operations & Maintenance:

- □ Re-engineering / MMP (Maintenance Management Plan)
- GTLO (Get the Lead Out)
- □ SCADA System Renewal

Planning & Engineering:

- □ Executable One-Year and 5-year CIP Plans
- □ Earned Value Management
- IT Business Operations Plan

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2 Year Rate Review Process

Water revenues and rates are reviewed annually to determine if the financial needs of the utility are being met. If updates are determined to be needed the steps below take place:

- December
 - Staff updates Financial Plan and consults and receives guidance from City Manager's Office
- January-February
 - □ Citizens' Water Advisory Committee (CWAC) reviews and provides recommendations for the five-year financial plan
- February March
 - Cost of Service Models and Rate Schedules are reviewed with City Manager's Office; if necessary, Notice of Intent to increase water rates are established
- March
 - CWAC provides recommendations for Cost of Service Models & Rate Schedules to Mayor & Council
- April
 - Mayor & Council reviews proposed five year Financial Plan and Rate Schedules, and if necessary, establishes dates for public hearings
- May
 - □ Mayor & Council hold public hearings and can adopt proposed water rates. If approved, new rates typically take effect in early July to optimize revenues during the peak summer sales



Questions?