



“Water Conservation Techniques Being Used By Others”



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Water Resources Manager
City of Flagstaff Utilities Division

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NAMWUA Board



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Water Conservation Program Compilation



- Purpose: Compare Program Offerings & Investments Made by Water Providers Into Water Conservation Programs
- Conducted Through Website Review Phone or Email Responses
- Information to be revised with information from TAC members



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Comparison of Municipal Conservation Programs

City	Annual Budget	Rebates Budget	Staffing	Customer Meters	Budget per Customer Meter
Yuma ²	\$10,000	\$0	0	29,400	\$0.34
Prescott Valley	\$10,000	\$0	0	19,215	\$0.52
Buckeye	\$30,000	\$10,000	0	18,355	\$1.63
Mesa	\$270,000	\$90,000	1.5 FTE	140,000	\$1.93
Phoenix	\$971,870	\$75,000 ¹	3.25 FTE 2 PT	413,241	\$2.35
Chandler	\$350,000	\$78,000	2 FTE	79,216	\$4.42
Prescott	\$147,984	\$40,000	1 FTE	22,422	\$6.60
Avondale	\$148,440	\$20,000	1 FTE	22,000	\$6.75
Goodyear	\$152,900	\$0	1 FTE	18,000	\$8.49
Scottsdale	\$775,885	\$190,000	4 FTE	89,232	\$8.70
Flagstaff ²	\$182,381	\$22,500	1 FTE 2 PT	19,832	\$9.20
Tempe	\$750,000	\$350,000	3 FTE	44,000	\$17.05
Tucson	\$4,190,000	\$1,026,162	6 FTE	230,000	\$18.22

¹ Low-income toilet replacement program

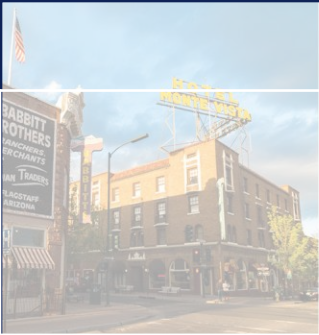
² Not in an Active Management Area



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Flagstaff	Avondale	Marana	Yuma	Prescott	Prescott Valley	Buckeye	Mesa	Phoenix	Chandler	Goodyear	Scottsdale	Tempe	Tucson	Peoria
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Education & Public Information

Water Audits or Water Audit Kits	X	X		X	X				X	X	X	X	X	
Water Festival	X	X		X		X			X				X	X
Informational Publications	X	X	X	X	X	X	X	X	X		X	X	X	
Conservation Giveaways	X		X				X		X	X	X			
Adult Education Programs	X						X	X	X	X	X	X	X	
School Education Programs	X	X		X		X	X	X	X		X	X	X	

Water Rates and Usage Information

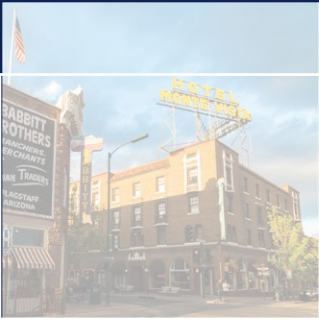
Increasing Block Rate – Residential	X		X	X	X	X	X	X	X	X	X	X	X	X
Tiered Multifamily &/or Commercial Rates				X	X	X		X	MF	X	X			X
Seasonal Rates - Comm. & MF								X					X	
Online Access to Water History	X						X			X	X			



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Indoor Fixtures and Appliances - Residential

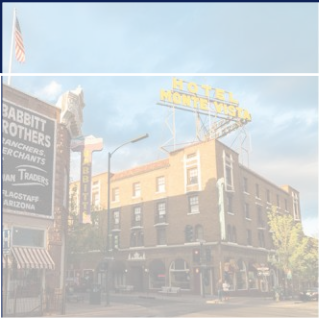
HET Rebates (1.3 gpf or less & dual flush)	x	x		x		x					x	x	x	x
Low-flow Toilet Rebates (1.6 gpf or less)		x		x		x					x			
Rainwater Harvesting Rebates	x			x									x	
HE Washer Rebates		x				x							x	
Dishwasher Rebates														
Low-flow Showerhead Rebates (2.75 gpm or less)		x									x			
Low-flow Showerhead Rebates (2.5 gpm or less)				x							X (+ commercial)			
Low Income Retrofit Program								x					x	
Rebate limited to structures built before May 17, 1991 (Scottsdale = 1992)		x									x		x	



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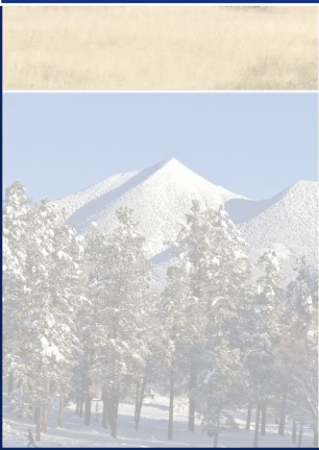




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Outdoor Efficiency - Landscapes and Irrigation - Residential and Commercial/Industrial

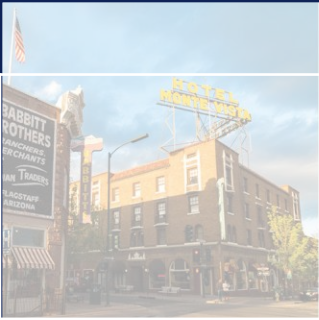
Sprinkler System Audits		X			X				X	X		X		X	
Xeriscape Demonstration Garden	X	X							X		X	X	X		
Xeriscape Design Clinics		X								X			X		
Xeriscape Turf Conversion Rebates	X	X			X		X		X		X	X		X	
Irrigation Technology Rebates (irrigation controllers &/or sprinkler heads)		X			X		X		X		X		X	X	
Large HOA Irrigation Efficiency Grants													X		
Research: Determine irrigated Area for Lots								X			X				



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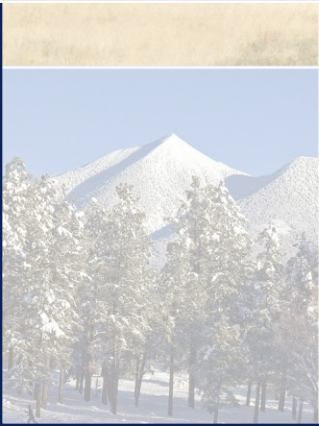




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Commercial, Industrial & Institutional Indoor Fixtures and Appliances

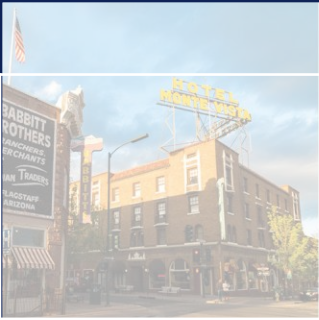
CII Facility Audits													X	
Facility Audit Program Expansion													X	
Commercial Clothes Washer Rebates														
Commercial Toilet and Urinal Rebates	X			X							X		X	
Financial Incentives for Commercial Water-saving Upgrades						X*					X	X	X	
Hotel and Restaurant Conservation Materials	X										X			
Restaurant Pre-rinse Spray Valve Distribution	X		X										X	



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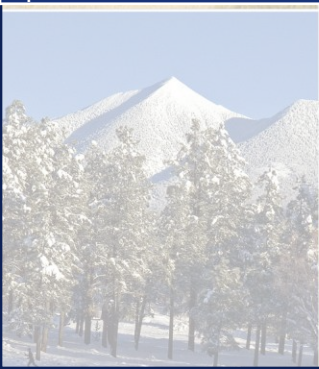
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Reclaimed Water

Reclaimed Water for customers	x				x	x	x	x	x	x	x	x		x	
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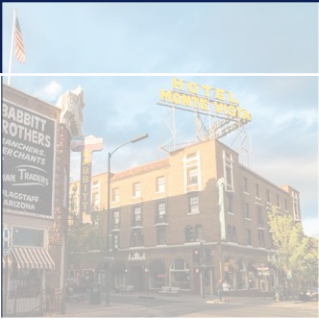
Regulatory Measures

Wasting water ordinance	x	x		x	x	x			x	x	x	x	x	x	
Restrictive covenants ordinance (HOA's restricting Xeriscape)															
Soil amendment ordinance				x											
Water shortage response plan	x	x	x	x	x		x	x	x	x	x	x	x	x	
Landscape & irrigation standards for new development	x			x	x				x		x	x		x	
Landscape & irrigation standards update	x			x							x			x	



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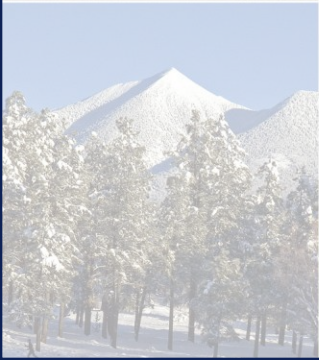




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Operational Measures

Utility Water Loss Program	x				x						x		x	
Water Loss Program Enhancement						x					x		x	
Water Conservation Upgrades at City LEED Buildings														
Water Conservation Upgrades at City Facilities													x	



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