



COUNCIL SUBCOMMITTEE ON WATER ISSUES MEETING

REGULAR SUBCOMMITTEE MEETING AGENDA

TUESDAY, SEPTEMBER 6, 2022, 9:30 AM

201 S Cortez Street
Prescott, AZ 86303
Council Chambers

Mayor Pro Tem Rusing - Chairperson

Councilman Montoya - Member

Councilman Sischka - Member

The following Agenda will be considered by the Prescott Council Subcommittee on Water Issues at Regular Subcommittee Meeting pursuant to the Prescott City Charter, Article II, Section 13. Notice of the meeting is given pursuant to Arizona Revised Statutes, Section 38-431.02. One or more members of the Council may be attending the meeting through the use of a technological device.

Viewing & Participation

This meeting may be viewed on Channel 64, Facebook Live or on the City's Website: [Live City of Prescott Videos](#)

Or via Zoom by registering in advance: [Zoom Registration Link](#)

Comments from the public may be submitted through the City website: [Public Comment Form](#)

1. CALL TO ORDER

2. ROLL CALL

3. PUBLIC COMMENT

Public comment will be accepted following each agenda item and are limited to three (3) minutes. Please complete a comment card and return it to the City Clerk, speakers will be called in the order received.

4. DISCUSSION & ACTION ITEMS

A. Approval of the August 2, 2022 Meeting Minutes.

Recommended Action: MOVE to approve the August 2, 2022 minutes as presented

B. 2022 Water Management Policy Discussion - Current Residential & Non-Residential Water

Budget Overview for July 1, 2022 through August 26, 2022.

Recommended Action: This item is for discussion only. No formal action will be taken.

- C. Focus Topic: Recharge from Watson and Willow Lake Reservoirs 2022.

Recommended Action: This item is for discussion only. No formal action will be taken.

- D. Discussion Regarding the Water Conservation Code, Incentive Program, and Prescott City Code 3-10-8.

Recommended Action: MOVE to recommend forwarding proposed modifications to City Code 3-10-8 to Council for approval or denial

5. GENERAL ANNOUNCEMENTS FROM STAFF

6. ADJOURNMENT

EXECUTIVE SESSION

Upon a public majority vote of a quorum of the City Council, the Council may hold an executive session, which will not be open to the public, regarding any item listed on the agenda but only for the following purposes:

- (1) Discussion or consideration of personnel matters (A.R.S. §38-431.03(A)(1));
- (2) Discussion or consideration of records exempt by law (A.R.S. §38-431.03(A)(2));
- (3) Discussion or consultation for legal advice with the city's attorneys (A.R.S. §38-431.03(A)(3));
- (4) Discussion or consultation with the city's attorneys regarding the city's position regarding contracts that are the subject of negotiations, in pending or contemplated litigation, or in settlement discussions conducted in order to avoid litigation (A.R.S. § 38-431.03(A)(4));
- (5) Discussion or consultation with designated representatives of the city to consider its position and instruct its representatives regarding negotiations with employee organizations (A.R.S. §38-431.03(A)(5));
- (6) Discussion, consultation or consideration for negotiations by the city or its designated representatives with members of a tribal council, or its designated representatives, of an Indian reservation located within or adjacent to the city (A.R.S. §38-431.03(A)(6);
- (7) Discussion or consultation with designated representatives of the city to consider its position and instruct its representatives regarding negotiations for the purchase, sale or lease of real property (A.R.S. §38-431.03(A)(7)).

THE CITY OF PRESCOTT ENDEAVORS TO MAKE ALL PUBLIC MEETINGS ACCESSIBLE TO PERSONS WITH DISABILITIES. With 72 hours advanced notice, special assistance can be provided for sight and/or hearing-impaired persons at this meeting. Reasonable accommodations will be made upon request for persons with disabilities or non-English speaking residents. Please call the City Clerk (928) 777-1272 to request an accommodation to participate in this public meeting. Prescott TDD number is (928) 445-6811. Additionally, free public relay service is available from Arizona Relay Service at 1-800-367-8939 and more information at www.azrelay.org

Confidentiality

Arizona statute precludes any person receiving executive session information from disclosing that information except as allowed by law. A.R.S. §38-431.03(F). Each violation of this statute is subject to a civil penalty not to exceed \$500, plus court costs and attorneys' fees. This penalty is assessed against the person who violates this statute or who knowingly aids, agrees to aid or attempts to aid another person in violating this article. The city is precluded from expending any public monies to employ or retain legal counsel to provide legal services or representation to the public body or any of its officers in any legal action commenced for violation of the statute unless City Council takes a legal action at a properly noticed open meeting to approve of such expenditures prior to incurring any such obligation or indebtedness. A.R.S. §38-

431.07(A)(B).

CERTIFICATION OF POSTING OF NOTICE

The undersigned hereby certifies that a copy of the foregoing notice was duly posted at Prescott City Hall on _____ at _____ m. in accordance with the statement filed by the Prescott City Council with the City Clerk



Sarah M. Siep, City Clerk

**COUNCIL AGENDA MEMO**

MEETING TYPE/DATE: **REGULAR SUBCOMMITTEE MEETING** **09- 6-22**

DEPARTMENT: **City Clerk**

AGENDA ITEM: Approval of the August 2, 2022 Meeting Minutes.

ITEM SUMMARY

Attached for approval are the Council Subcommittee on Water Issues minutes for the August 2, 2022 meeting.

BACKGROUND

None

FINANCIAL IMPACT

None

Recommended Action: MOVE to approve the August 2, 2022 minutes as presented

ATTACHMENTS

2. [August 2, 2022 Minutes.docx](#)



COUNCIL SUBCOMMITTEE ON WATER ISSUES MEETING

REGULAR SUBCOMMITTEE MEETING MINUTES

TUESDAY, AUGUST 2, 2022, 9:30 a.m.

201 S Cortez Street
Prescott, AZ 86303
Council Chambers

Cathey Rusing, Mayor Pro Tem - Chairperson
Brandon Montoya, Councilman – Member Steve Sischka, Councilman - Member

MINUTES OF THE REGULAR SUBCOMMITTEE MEETING OF THE PRESCOTT COUNCIL SUBCOMMITTEE ON WATER ISSUES HELD ON AUGUST 2, 2022, IN THE 201 S CORTEZ STREET PRESCOTT, AZ 86303 COUNCIL CHAMBERS.

1. CALL TO ORDER

Chairperson Rusing called the meeting to order at 9:30 a.m.

2. ROLL CALL

Cathey Rusing	Chairperson
Brandon Montoya	Member
Steve Sischka	Member

3. PUBLIC COMMENT

Public comment will be accepted following each agenda item and are limited to three (3) minutes. Please complete a comment card and return it to the City Clerk, speakers will be called in the order received.

4. WATER SERVICE APPLICATIONS

- A.** Water Service Application No. WSA22-017, Submitted by Michael Taylor Architects, Inc., on Behalf of Property Owner Healing Hands, LLC. Location: APN 102-06-207U, a 2.01 Acre Parcel in the SW¼ of Section 36, Township 15N, R02W, GSRB&M.

Deputy Public Works Director Gwen Rowitsch provided a presentation to the Subcommittee regarding WSA22-017 for Healing Hands, LLC, a 3,842 square foot medical facility located south of State Route 89 in the Centerpointe West subdivision. The facility will have five patient rooms and

five employees. The site plan was submitted for review and consideration to the Planning and Zoning Commission on July 14th, where it was unanimously approved for recommendation. The potable water demand is estimated at .13 acre feet (AF) per year. The landscaping area is estimated at .87 acres, bringing the estimated landscape demand to 1.31 AF per year and the total demand to 1.44 AF per year. This project does not exceed 50% of water remaining in the water budget and is considered a non-residential project.

Applicant Dr. John Furman addressed the Subcommittee stating that he will be the owner and practitioner of the Healing Hands Clinic. His goal with the clinic is to create a sanctuary where people can relax and achieve overall well-being. The landscape design is one part of his plan to achieve his goal.

Chairperson Rusing asked if the clinic will offer overnight or residential services and asked about the amount of exam rooms.

Dr. Furman responded that this is a day clinic only and that he will start out with himself and one staff member. He will expand by adding one to two practitioners and supporting staff.

Member Sischka commented that he appreciates the holistic approach Dr. Furman is taking with his practice.

Member Montoya asked if the project is conforming to the plant palette for landscaping.

Ms. Rowitsch responded yes; low water use plants are required under the Land Development Code.

MOTION BY MEMBER SISCHKA TO FORWARD ITEM 4.A. TO COUNCIL FOR APPROVAL; SECONDED BY MEMBER MONTOYA: PASSED [3 – 0].

- B.** Water Service Application No. WSA22-018, Submitted on Behalf of Property Owner Loma Buena, LLC, by Applicant Kimley Horn & Associates, Inc. Location: APN 109-03-100, a 1.04 Acre Parcel in the NE¼ of Section 4, Township 13N, Range 02W, GSRB&M.

Public Works Director Ashley Couch provided a presentation to the Subcommittee regarding WSA22-018. The site plan for this project was submitted for review and consideration to the Planning and Zoning Commission on July 14th where was approved for recommendation with a 3-2 vote with the condition that flood plain issues be resolved prior to the August 23rd City Council Voting meeting. The project includes ten Airstream trailers, lawn areas, a water feature, trees and shrubs, and other ground cover. The trailers will be elevated by one foot above the Base Flood Elevation on drill shafts to the regulatory flood elevation, bringing the project into compliance with Arizona Revised Statutes and the City of Prescott's Floodplain Management Ordinance.

Member Montoya asked for confirmation that the floodplain issue is resolved with the elevation of the trailers.

Mr. Couch responded that the next review cycle will show adequate elevation to the regulatory flood elevation, adding that staff will not approve the improvement plans until the issue is resolved.

Member Sischka asked if the two no votes were due to the flood plain issue.

Mr. Couch responded that one no vote was due primarily to the floodplain issue and the other no vote was related to the floodplain issue and concern over the proximity of the project to Mile High Middle School.

Mr. Couch continued with the presentation stating that the estimated potable water demand for the ten trailers is 0.81 AF per year, the park-like landscaping is estimated at 1.78 AF per year and the water feature has a demand of 0.01 AF per year, bringing the total estimated water demand to 2.6 AF per year. This project is in conformance with the city's water policy; it is less than the allocated 25 AF per year for non-residential and less than the 50% rule.

Member Montoya asked if there will be a manager on site and asked about the on-site restaurant discussed at the Planning and Zoning Meeting.

Property owners Spencer and Austin Andrews addressed the Subcommittee stating that there will not be a permanent resident on site; the property will operate like short-term vacation rentals and added that they both live in town and will be available to address any needs. There is no longer a plan to have a restaurant on site.

Chairperson Rusing commented that this project will help revitalize the area and appreciates the creativity. She asked if there are plans to connect to the Granite Creek Corridor.

Mr. Andrews responded that he is hopeful for a connection to the Granite Creek Corridor.

Engineer Andrew Baird of Kimley Horn & Associates addressed the Subcommittee stating that as part of the no-rise analysis, a direct connection into the creek could not be established from the west side, however, there is an option to connect via Carleton Street.

Member Rusing asked about the use of artificial turf rather than grass.

Mr. Andrews responded that it was considered however they are trying to stay away from the faux experience, adding that water is still a factor with artificial turf as it requires cleaning and sanitizing.

Member of the public Leslie Hoy addressed the Subcommittee commenting that the landscaping exceeds what has been allotted per the new water policy and asked how the landscaping demand was calculated and if the demand will decrease over time.

Mr. Baird responded that their landscape architect submitted a detailed demand schedule, based on the plants they will use, to establish an estimated demand. Typically, there is increased water use during the landscape establishment period which may decrease over time.

Member Montoya asked for confirmation that the landscape architect submitted a landscaping estimate that exceeds the amount specified in the tables that are used by staff to determine the amount allotted for these types of projects.

Mr. Couch confirmed that an estimate has been provided which exceeds the amount specified in the tables.

Member Montoya stated that while he does not want to see every commercial project come in over the allotted amount, he appreciates the candor of the applicant.

Member Sischka asked if an estimate for an acre of landscaping is considered the maximum allowed.

Mr. Couch responded that staff refers to the tables and then uses judgement to determine what the right number is to present to the Subcommittee and Council.

Ms. Rowitsch added that when most applicants are at this stage of their project, they do not have a landscaping plan. For those applicants staff uses the 1.5 AF per year, per one acre of anticipated landscape, using the low water plant list. This applicant is farther along than most and was able to submit a demand calculation based on planting types they have chosen. Therefore, they know what their water use will be, and it is much more accurate than applying the 1.5 to 1 acre estimate. Once this applicant begins using water, the information is fed into the Water Resource Management Model (WRMM) and tracked. After five years, their actual average water use can be determined. Staff is not saying that they cannot use more than 1.78 AF, rather they are stating that they believe their water use will be 1.78 AF.

Member Montoya asked what would happen if in the future the applicant used more than 1.78 AF.

Ms. Rowitsch replied that water bills drive conservation and have had the largest impact on this community since 2006. This is proven by the fact that the city uses almost the same amount of water used 20 years ago.

Mr. Baird commented that they were partially through the permitting process once the water policy had been adopted and pointed out that the lawn in the northwest corner is a detention basin and won't need to be irrigated often.

Member of the public Peter Kroopnick addressed the Subcommittee asking what can be done if the applicant uses more than the estimated amount of allocated water.

Ms. Rowitsch noted that the city is not allocating water it is estimating water usage, adding that the

city no longer enters into contracts which gave authority to impose higher rates and even penalties.

MOTION BY MEMBER SISCHKA TO FORWARD ITEM 4.B. TO COUNCIL FOR APPROVAL; SECONDED BY MEMBER MONTOYA: PASSED [3 – 0].

- C. Water Service Application No. WSA22-009, Submitted by Exceptional Healthcare Prescott, on Behalf of Property Owner EHC Prescott, LP. Location: APNs 103-15-160A on 9.2 Acres, and 103-15-165 on 0.27 Acres, in the SE¼ of Section 29, Township 14N, Range 01W, GSRB&M.

Ms. Rowitsch provided a presentation to the Subcommittee regarding WSA 22-009. The site plan for this project was submitted for review and consideration to the Planning and Zoning Commission on July 14th where it was unanimously approved for recommendation and is scheduled to go to Council on August 23rd. This request is for the initial site only and is a ten-bed facility with 22 employees. The total estimated water demand is 4.16 AF and does not exceed 50% of the remaining water budget.

Chairperson Rusing asked if there will be landscaping on the terracing and how many cubic feet of water the storage tank holds.

Ms. Rowitsch responded that if they disturb, they must revegetate, and referred the latter question to the applicant.

Member Montoya asked for a breakdown of the inpatient component.

Ms. Rowitsch stated that table 4.1 of the General Engineering Standards lists uses and water demands associated with those uses.

Chairperson Rusing asked about the landscape of the hillside.

Applicant Don Nicolini addressed the Subcommittee stating that their landscape architect is in the process of finalizing the design and is in the second review with the city's arborist. He thanked the city for granting an at-risk grading permit for the difficult to develop site.

MOTION BY MEMBER MONTOYA TO FORWARD ITEM 4.C. TO COUNCIL FOR APPROVAL; SECONDED BY MEMBER SISCHKA: PASSED [3 – 0].

- D. Water Service Application No. WSA22-013, Submitted by Applicant Paul Aslanian on Behalf of Property Owner Craftsman Court Holdings, LLC. Location: APN 306-24-012, a 10-Acre Parcel in the SW¼ of the NW¼ of Section 23, Township 16N, R02W, GSRB&M.

Ms. Rowitsch provided a presentation to the Subcommittee regarding WSA22-013, a 45-lot

residential subdivision in Chino Valley. Per the Chino Valley Irrigation District (CVID) agreement with the city, this 10-acre parcel received water credits in the amount of .25 AF per acre of land and are entitled to ten connections or ten dwelling units. The applicant purchased 702.12 extinguishment credits to meet the remaining water demand for this project. The remaining balance will be pledged to the city, and therefore this request is not subject to the water budget. The total estimated water demand is 6.96 AF.

Member Montoya asked why this approach was utilized and asked how many people sold their extinguishment credits.

Ms. Rowitsch responded that according to Chino Valley Town Manager and Mayor, lots less than an acre must be tied to a municipal sewer system. This is a benefit to the aquifer and much better than 45 septic tanks. Three individuals sold their extinguishment credits.

Chairperson Rusing asked if the Water Policy Review and Monitoring Commission could review the exemption from the water budget for future projects like this.

Ms. Rowitsch replied that the benefits, pros, and cons can be discussed, however, because the city is not giving water from the city portfolio in these types of projects, the budget is likely not applicable.

Applicant Paul Aslanian addressed the Subcommittee stating that this project is low-water use. There is only 5,000 square feet of turf and they will use approximately 1 AF of water for landscaping and the homes are single family detached that range from 1200 to 1500 square feet.

Chairperson Rusing asked if each home will be separately metered.

Mr. Aslanian responded that each home will be separately metered.

MOTION BY MEMBER SISCHKA TO FORWARD ITEM 4.D. TO COUNCIL FOR APPROVAL; SECONDED BY MEMBER MONTOYA: PASSED [3 – 0].

5. DISCUSSION & ACTION ITEMS

A. Approval of the July 5, 2022, Subcommittee on Water Issues Meeting Minutes

MOTION BY MEMBER SISCHKA TO APPROVE THE JULY 5, 2022 MEETING MINUTES; SECONDED BY MEMBER MONTOYA: PASSED [3 – 0].

B. 2022 Water Management Policy Discussion – Residential & Non-Residential Water Budget Overview for January 1, 2022 through June 30, 2022

Public Works Senior Engineering Tech Katie Hein provided a presentation to the Subcommittee on the residential and non-residential water budget overview for January 1st to June 30th. Water policy 11-13 established a semi-annual water budget of 25 AF per year for residential and 25 AF per year non-residential projects. Thirteen residential projects were approved totaling 13.66 AF per year and an additional 22 non-residential projects were approved totaling 16.56 AF per year. Projects that have been approved and the total amount remaining in the water budget cycle are posted on the city website. Additionally, there were 58 projects approved under existing contracts that were primarily in areas of existing groundwater subdivisions.

Member Montoya asked if this is retroactive and where the current budget stands.

Ms. Hein replied that they were accounted for in the budget cycle and currently two non-residential projects have been approved administratively and one residential project was approved by Council.

Member Montoya asked for staff's perception on the adequacy of the water budget allocation.

Ms. Rowitsch replied that there is some concern that the budget may fall short for this budget period, however there are provisions in the policy to address that. If someone exceeds 50% of the remaining water budget they may appeal to the Subcommittee, or they may take the option of holding their application until the next budget cycle.

Member Montoya commented that it would be useful to have this item on a Water Policy Review and Monitoring Commission agenda and encouraged Public Works to work with the Commission.

Ms. Rowitsch asked the Subcommittee if they would like to have this update provided monthly adding that a similar spreadsheet is posted on the city website and updated on the 1st and 3rd Wednesday of each month.

Chairperson Rusing and Member Montoya agreed that it would be useful.

This item was for discussion only, no formal action was taken.

6. GENERAL ANNOUNCEMENTS FROM STAFF

Water Resource Project Manager Leslie Graser provided the general announcements to the Subcommittee regarding memberships to Northern Municipal Water Users Association (NAMWUA) and the Upper Verde Watershed Protection Coalition (Coalition).

- NAMWUA – Board meeting on 07/15/2022
 - o Election of Board Members – no changes

- o Entered into a contract with High Country Conference Center in Flagstaff for upcoming Water Utility Leadership Forum (WULF)
- o Senate Bill 1740 – Long term augmentation fund: \$1 Billion over three years, Water Supply Development Revolving Fund: \$200 million, Water Conservation Grant Fund: \$200 million, existing Federal programs under the Safe Drinking Water Act remain healthy.
- o Dues paid by City of Prescott were \$5,009.55
- Coalition – Board Meeting on 07/27/2022
 - o Presentation on Senate Bill 1740 given by Leslie Graser
 - o Nature Conservatory Stormwater Management Funding Grant will be held in Prescott Valley on August 23rd
 - o Town of Prescott Valley vs CDW Consulting – complaint filed and waiting for outcome
 - o Yavapai County Technical Advisory Committee – member has not been identified
 - o Grant Projects
 - Arizona Department of Water Resources (ADWR) Rainwater Harvest/Recharge Grant – all sites are complete and operating
 - United States Department of Agriculture (USDA) / Natural Resources Conservation Services Grant Agreement (NRCA)– should be ready to go to bid by the first of the year
 - Arizona Water Protection Fund – is available to apply, Coalition will be seeking this fund.

Member Montoya asked if there was any indication from Yavapai County that they are going to fill the position on the Technical Advisory Committee.

Ms. Graser responded that the last meeting was cancelled but they are working with the director and keeping active contact on rescheduling a meeting.

Member Sischka asked for an update on the Comprehensive Agreement No. 1.

Ms. Graser replied that it has been extended to the end of August to allow for discussion.

This item was for discussion only, no formal action was taken.

7. ADJOURNMENT

There being no further business to discuss, Chairperson Rusing adjourned the meeting at 10:57 a.m.

Cathey Rusing, Chairperson

ATTEST:

Jennifer Wiita, Deputy City Clerk

CERTIFICATION

I hereby certify that the foregoing minutes are a true and correct copy of the minutes of the Regular Subcommittee Meeting of the Council Subcommittee on Water Issues of the City of Prescott, Arizona held on August 2, 2022. I further certify the meeting was duly called and held and that a quorum was present.

Dated this _____ day of _____, 2022.

AFFIX
CITY
SEAL

Jennifer Wiita, Deputy City Clerk



COUNCIL AGENDA MEMO

MEETING TYPE/DATE: **REGULAR SUBCOMMITTEE MEETING** **09- 6-22**

DEPARTMENT: **Public Works**

AGENDA ITEM: 2022 Water Management Policy Discussion - Current Residential & Non-Residential Water Budget Overview for July 1, 2022 through August 26, 2022.

ITEM SUMMARY

Review and discussion regarding the current residential and non-residential water budgets, including projects that have received approval for water between July 1, 2022 and August 26, 2022.

BACKGROUND

The 2022 Water Policy, Policy 11-13, established a semi-annual water budget for residential and non-residential projects. The budget set for July 1, 2022 through December 31, 2022 for residential projects was 25 acre-ft/year and the budget set for non-residential projects was also 25 acre-ft/year.

A total of 1 residential project was approved during this budget period. This equated to 11.10 acre-ft/year. This project exceeded the administrative approval threshold and was subsequently reviewed and approved by the Water Issues Subcommittee and City Council. The total remaining residential budget is 13.90 acre-ft/year.

A total of 7 non-residential projects were approved during this budget period. This equated to 10.33 acre-ft/year. Of those 7 non-residential projects, 3 exceeded the administrative approval threshold and were subsequently reviewed and approved by the Water Issues Subcommittee and City Council. The total remaining non-residential budget is 14.67 acre-ft/year.

Per Policy 9, a total of 13 projects were approved under existing contracts. Eleven of these are new single-family homes located primarily within Groundwater Subdivisions. Additionally, there was one subdivision plat and one multifamily complex approved under existing contracts. The subdivision plat utilized existing water within the Chino Valley Irrigation District (CVID) and also brought extinguishment credits to the City for their project and was approved by City Council. The total number of residential dwelling units approved under existing contracts was 78, totaling 16.74 acre-ft/year.

Projects under existing contract are not included in the water budget.

FINANCIAL IMPACT

N/A

Recommended Action: This item is for discussion only. No formal action will be taken.
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ATTACHMENTS

1. [Approved Projects_July1-August26_2022.pdf](#)
2. [Approved Projects_Under Existing Contract_July1-August26_2022.pdf](#)

WATER POLICY TRACKING TABLE
APPROVED PROJECTS

	RESIDENTIAL PROJECTS									
	PERMIT NUMBER	PROJECT TYPE	DESCRIPTION	TOTAL AFY AVAILABLE	50% AFY AVAILABLE	AFY REQUESTED	REMAINING AFY	EXCEEDS 50% AVAILABLE	DATE APPROVED	APPROVAL TYPE
1	SITE22-001	MULTIFAMILY	NEW - 82 APARTMENT UNITS	25.00	12.50	11.10	13.90	NO	7/26/2022	CC - City Council - Multifamily

TOTAL BUDGETED (AFY)	25.00
TOTAL APPROVED (AFY)	11.10
TOTAL REMAINING (AFY)	13.90
50% OF THE TOTAL REMAINING (AFY)	6.95

Please see Page 2 for Non-Residential Projects

WATER POLICY TRACKING TABLE
APPROVED PROJECTS

	NON-RESIDENTIAL PROJECTS									
	PERMIT NUMBER	PROJECT TYPE	DESCRIPTION	TOTAL AFY AVAILABLE	50% AFY AVAILABLE	AFY REQUESTED	REMAINING AFY	EXCEEDS 50% AVAILABLE	DATE APPROVED	APPROVAL TYPE
1	B2206-159	NON-RESIDENTIAL	TI - MIXED USE - WAREHOUSE, CHURCH, RETAIL	25.00	12.50	0.95	24.05	NO	7/12/2022	ADMIN - Commercial Under 1 AFY
2	B2206-010	NON-RESIDENTIAL	TI - CHURCH ADDITION	24.05	12.03	0.24	23.81	NO	7/20/2022	ADMIN - Commercial Under 1 AFY
3	B2205-074	NON-RESIDENTIAL	NEW - MANUFACTURING	23.81	11.91	0.80	23.01	NO	8/15/2022	ADMIN - Commercial Under 1 AFY
4	B2202-068	NON-RESIDENTIAL	NEW - RETAIL	23.01	11.51	0.14	22.87	NO	8/16/2022	ADMIN - Commercial Under 1 AFY
5	ENG2202-021	NON-RESIDENTIAL	NEW - HOSPITAL	22.87	11.44	4.16	18.71	NO	8/23/2022	CC - City Council - Commercial
6	B2205-180	NON-RESIDENTIAL	NEW - MEDICAL CLINIC	18.71	9.36	1.44	17.27	NO	8/23/2022	CC - City Council - Commercial
7	ENG2111-019	NON-RESIDENTIAL	NEW - HOTEL/MOTEL	17.27	8.64	2.60	14.67	NO	8/23/2022	CC - City Council - Commercial

TOTAL BUDGETED (AFY)	25.00
TOTAL APPROVED (AFY)	10.33
TOTAL REMAINING (AFY)	14.67
50% OF THE TOTAL REMAINING (AFY)	7.34

Please see Page 1 for Residential Projects

WATER POLICY TRACKING TABLE **APPROVED PROJECTS - UNDER EXISTING CONTRACTS**

PERMIT TYPE	PERMIT NUMBER	# OF RES UNITS	AFY	APPROVAL TYPE	EXISTING ENTITLEMENT*	DATE APPROVED	DEMAND METHOD
RESIDENTIAL/SINGLE FAMILY	B2206-021	1	0.17	N/A - Existing Contract/Agreement	Groundwater Subdivision	07/07/2022	WRMM Multiplier
RESIDENTIAL/SINGLE FAMILY	ENG2206-015	1	0.17	N/A - Existing Contract/Agreement	Highland Pines Contract	07/08/2022	WRMM Multiplier
RESIDENTIAL/SINGLE FAMILY	B2205-062	1	0.17	N/A - Existing Contract/Agreement	Groundwater Subdivision	07/13/2022	WRMM Multiplier
RESIDENTIAL/SINGLE FAMILY	B2205-207	1	0.17	N/A - Existing Contract/Agreement	Estancia De Prescott Contract	07/14/2022	WRMM Multiplier
RESIDENTIAL/SINGLE FAMILY	B2206-077	1	0.17	N/A - Existing Contract/Agreement	Groundwater Subdivision	07/22/2022	WRMM Multiplier
RESIDENTIAL/SINGLE FAMILY	B2206-016	1	0.17	N/A - Existing Contract/Agreement	Groundwater Subdivision	07/27/2022	WRMM Multiplier
RESIDENTIAL/SINGLE FAMILY	B2206-172	1	0.17	N/A - Existing Contract/Agreement	Groundwater Subdivision	07/28/2022	WRMM Multiplier
RESIDENTIAL/SINGLE FAMILY	B2206-072	1	0.17	N/A - Existing Contract/Agreement	Groundwater Subdivision	08/08/2022	WRMM Multiplier
RESIDENTIAL/SINGLE FAMILY	ENG2208-004	1	0.25	N/A - Existing Contract/Agreement	Wagon Wheel Ranch Contract	08/22/2022	WRMM Multiplier
RESIDENTIAL/SINGLE FAMILY	B2206-048	1	0.17	N/A - Existing Contract/Agreement	Groundwater Subdivision	08/25/2022	WRMM Multiplier
RESIDENTIAL/SINGLE FAMILY	B2207-116	1	0.17	N/A - Existing Contract/Agreement	Groundwater Subdivision	08/26/2022	WRMM Multiplier
RESIDENTIAL/MULTIFAMILY	WSA22-022	22	3.54	N/A - Existing Contract/Agreement	Prescott Lakes Contract	07/11/2022	WRMM Multiplier & EOR Demand Calc
RESIDENTIAL/SUBDIVISION	WSA22-013	45	11.25	N/A - Existing Contract/Agreement	CVID & Extinguishment Credits	08/23/2022	WRMM Multiplier

	Number of Projects	Res Units	AF
TOTAL RESIDENTIAL	13	78	16.74
TOTAL COMMERCIAL	0	-	0.00

****Existing Entitlement for water can be in the following forms:***

Groundwater Subdivision - Committed demand to platted areas as of 1998

Contract - Recorded agreement with the City for an allocated amount of water for a project or project area

**COUNCIL AGENDA MEMO**

MEETING TYPE/DATE: **REGULAR SUBCOMMITTEE MEETING** **09- 6-22**

DEPARTMENT: **Water Resources**

AGENDA ITEM: Focus Topic: Recharge from Watson and Willow Lake Reservoirs 2022.

ITEM SUMMARY

Presentation on City's recharge from Watson and Willow Lake Reservoirs 2022.

BACKGROUND

Staff is providing information on how recharge from Watson and Willow Lake reservoirs occurs as well as how the City acquired these surface water supplies. The following is an example of a public outreach notification from City Utility Operations which are provided to Council and subsequently posted to City of Prescott Facebook for the public.

Example below:

The monsoon rains have been plentiful over the last couple weeks and as a result the level of Watson Lake has risen to 1.18 feet below the spillway. Willow Lake is currently at 9.9 feet below the spillway. The crosscut channel between Watson and Willow Lakes is currently open and surface water is flowing into Willow Lake at a depth of 6 inches. The slide gate to the crosscut channel is normally left in the open position, so that Watson Lake does not spill over into Granite Creek.

Surface Water Recharge from Watson Lake averaged 7.6 MGD at the recharge facility for the past 15 days. The total volume of surface water recharged to date since April 1st is 1,718 acre-feet. Recharge from Watson Lake will continue until the lake level reaches the conservation pool of 7.0-feet below the spillway.

FINANCIAL IMPACT

None.

Recommended Action: This item is for discussion only. No formal action will be taken.

ATTACHMENTS

1. [Recharge Presentation.pdf](#)



Focus Topic: Recharge from Watson and Willow Lake Reservoir 2022

September 6, 2022

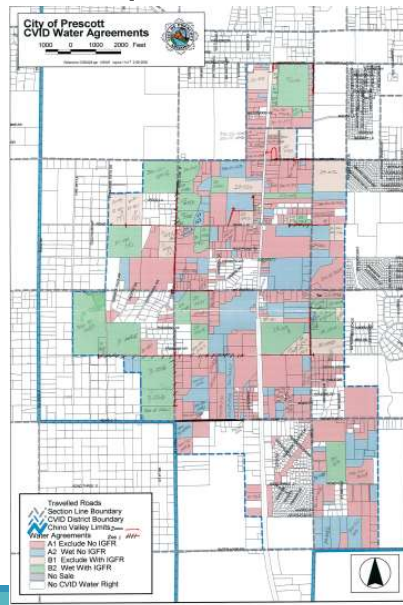
Council Subcommittee for
Water Issues

City Council Chambers

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Acquisition of Surface Water Supplies



Although discussions were held in the 1940s to acquire the surface water supplies in Watson and Willow Lake Reservoirs, it was not until 1998 that the Chino Valley Irrigation District and the City entered into an Intergovernmental Agreement to set forth the conditions for the transfer of surface water and other water rights.

The acquired surface water rights subsequently were severed and transferred in accordance with State laws in March 2008. The rights were later added to the City's Decision and Order of Assured Water Supply in September 2008.



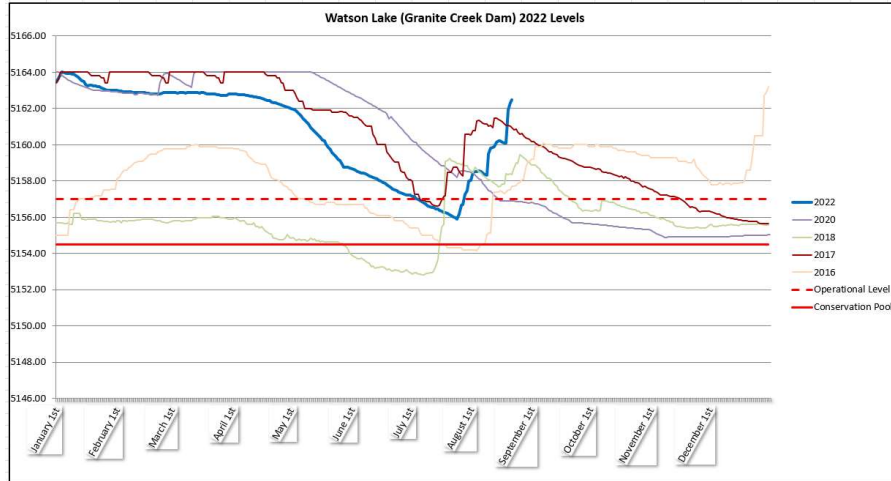
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2



Created by E. Bay, P.E., circa 2020

2022 and Recent Years at Watson Lake Reservoir

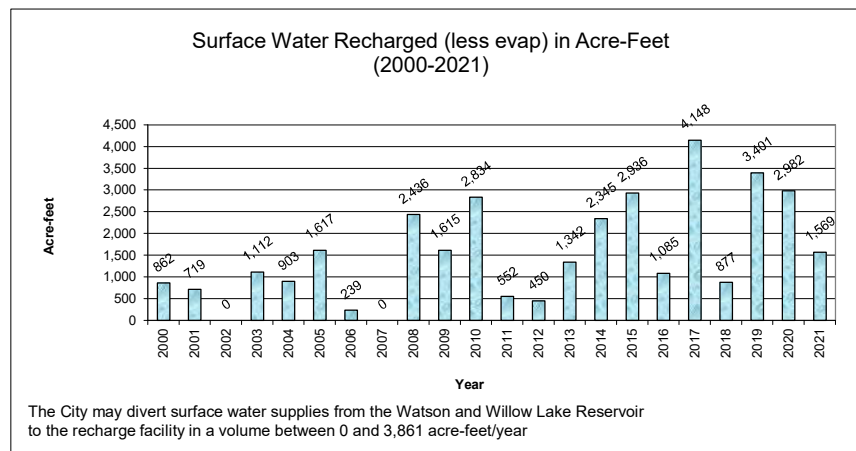


Updated by L. Graser, August 2022

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How much can be moved?



Created by L. Graser circa 2011



6

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When can the supplies be moved?

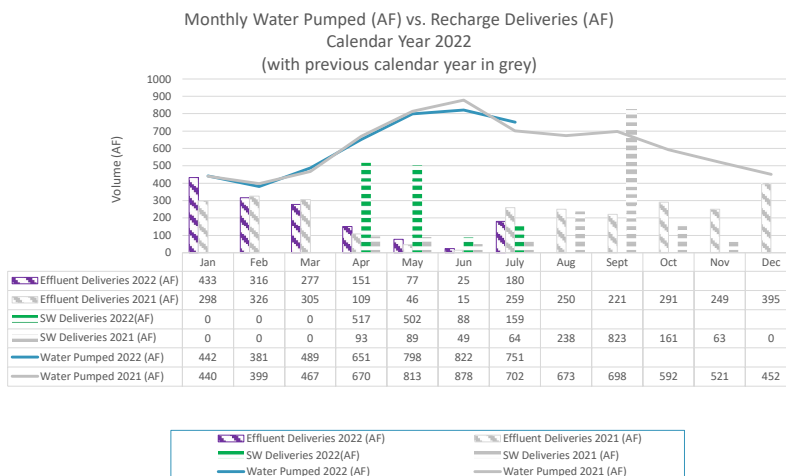
Based on a legal determination assumed by the City in 1998, surface water supplies may only be diverted to the recharge facility from April 1st through November 30th; however, under certain conditions surface water may commence before April 1st.



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Recharge from Watson and Willow, Jan –July 2022



8

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City's Recharge Facility

For Calendar Year 2022, as of July 31, 2022

Total Pumped = 4,334 AF; Total Delivered to Recharge = 2,723 AF
(effluent/reclaimed = 1,458 AF and surface water = 1,266 AF)



**COUNCIL AGENDA MEMO**

MEETING TYPE/DATE: **REGULAR SUBCOMMITTEE MEETING** **09- 6-22**

DEPARTMENT: **Water Resources**

AGENDA ITEM: Discussion Regarding the Water Conservation Code, Incentive Program, and Prescott City Code 3-10-8.

ITEM SUMMARY

This item includes a survey of other Arizona cities' rebate programs, data demonstrating the effectiveness of the city's current program for the last six (6) fiscal years, cost comparisons among the various devices and incentives found in our local stores, and recommendations for possible revisions to the rebate amounts and requirements.

BACKGROUND

During the month of August, municipalities around the state were surveyed for the different types of rebates offered by each city and their respective dollar amounts for their rebates.

In addition, for Fiscal Years 2017 through 2022, data were compiled for each of our rebate devices and incentives, enumerating the number of applications, the amount of dollars rebated, and the number of gallons saved each year.

Lastly, local stores were compared for their purchase prices of various types of devices, i.e., toilets, commercial urinals, washing machines, and rain barrels.

With this in mind, recommendations are made for your consideration to change the rebate amount for some of our devices and incentives as well as some of the requirements.

The goal of the program is to encourage residents and businesses to conserve water. The focus of our efforts is on the number of gallons of water saved each year, rather than the amount of dollars rebated.

FINANCIAL IMPACT

The City budgets \$40,000 each fiscal year for the Water Conservation Incentive Program.

Recommended Action: MOVE to recommend forwarding proposed modifications to City Code 3-10-8 to Council for approval or denial

ATTACHMENTS

1. [PRESENTATION_9.1.2022.pptx](#)

CITY OF PRESCOTT WATER CONSERVATION CODE REBATE INCENTIVE PROGRAM

September 6, 2022

- TOILETS
 - COMMERCIAL URINALS
 - ULTRA-EFFICIENT WASHING MACHINES
 - WaterSense SMART IRRIGATION TIMERS
- ACTIVE AND PASSIVE RAINWATER HARVESTING
 - RAIN BARRELS and CISTERNS*
 - RAIN GARDENS*
- TURF

TOILET INCENTIVES

CITY	1.1 GPF*	1.28 GPF	1.0 GPF or 1.28 DUAL FLUSH	SEPTIC	COMMENT
Prescott		\$75	\$100	\$50	
Scottsdale		Up to \$75			
Tempe		Up to \$75			50% of price 2 toilet limit
Flagstaff	\$75				Residential
Flagstaff		\$86			Commercial or 50% of cost
Flagstaff		\$158			Hotel or 50% of cost
Peoria		Up to \$100			3 toilet limit
Tucson	\$100				

*1.28 gallons
per single flush*



*1.0 / 1.28 gallons
per dual flush*



**Gallons Per
Flush (GPF)*

TOILET REBATES

FISCAL YEAR	1.6 GPF	1.0/1.28 DUAL FLUSH	1.28 GPF	REBATE	GALLONS SAVED
2017 ¹	142 ⁴			\$4,750	693,500
2018 ¹	97			\$4,850	708,100
2019 ¹	164			\$8,200	1,197,200
2020 ²		44		\$4,400	316,800
2021 ²		122		\$13,875	878,400
2022 ³			84	\$6,900	604,800
2022 ³			29	\$3,400	236,875



*American Standard
1.28 single flush*

¹FY17-FY19: 1.6 gallons per flush with a \$50 rebate

²FY20-FY21: 1.0 gallons or 1.28 gallons dual flush with a \$100 rebate

³FY21-FY22: 1.28 gallons per single flush with a \$75 rebate

⁴In 2017 Hassayampa Inn installed 47, 1.28 single flush toilets

**Gallons Per
Flush (GPF)*

TOILETS PRICE COMPARISON

BRAND	GPSF	GPSF	GPDF	COST
SLOAN	1.0			\$326
KOHLER	1.0			\$430
ZURN	1.0			\$520
PROFLO	1.0			\$571
GILPIN	1.0			\$671
GLACIER BAY		1.28		\$99 - \$144
KOHLER		1.28		\$199 - \$379
AMERICAN STANDARD		1.28		\$149 - \$229
GLACIER BAY			1.0/1.28	\$169
AMERICAN STANDARD			0.92/1.28	\$251

*GPSF - gallons per single flush

*GPDF - gallons per dual flush

*City of Prescott
Toilet Rebate*

*1.28 single flush = \$75
1.0/1.28 dual flush = \$100*



*American Standard
Dual Flush 0.92 / 1.28
Exceeds City Requirements*

COMMERCIAL URINAL INCENTIVES

CITY	REBATE	FLUSH AMOUNT
Prescott	\$50	Flushless design flush once at specified interval or 1 quart per flush
Scottsdale	Up to \$200 per cost of unit	0.5 quart
Flagstaff	\$157 or 50% of cost of unit	0.5 quart



0.125 GPF (0.5 quart) is the new EPA standard

**Gallons Per
Flush (GPF)*

COMMERCIAL URINAL REBATE

FISCAL YEAR	NUMBER	REBATE	GALLONS SAVED
2017	5	\$250	2,080
2018	0		
2019	0		
2020	0		
2021	0		
2022	0		



*TOTO Urinal
0.125 gallons per flush*

URINAL PRICE COMPARISON

BRAND	GALLONS PER FLUSH	COST
AMERICAN STANDARD	0.125	\$175 -\$318
MANSFIELD	0.125	\$160
PROFLO	0.125	\$173
KOHLER	0.125	\$230
TOTO	0.125	\$338

*City of Prescott
Urinal Rebate*

\$50



WASHING MACHINE INCENTIVES

CITY	REBATE	SEPTIC	COMMENT
Prescott	\$200	\$50	Customers with septic tanks receive an extra \$50
Tucson	\$200		
Avondale	\$100		
Flagstaff	50%		Not on its rebate form and considered “unusual”

Maytag
Model No.
MHW6630



Whirlpool
Model No.
WFW6620



All washing machines must be on the list provided by the Consortium for Energy Efficiency (CEE)

WASHING MACHINE REBATES

FISCAL YEAR	NUMBER	REBATE	GALLONS SAVED
2020 ¹	47	\$9,850	192,700
2021	43	\$9,400	176,300
2022	55	\$11,950.00	200,900

¹Washing machines were introduced in FY20



*Samsung
Model No.
WF45T60
\$949*

WASHING MACHINE PRICE COMPARISON

BRAND	MODEL NUMBER	COST	STORE
Samsung	WF45T60	\$728	Home Depot
Whirlpool	WFW5605	\$778	Lowe's
GE	GFW550S	\$848	Home Depot
LG	WM3400C	\$848	Home Depot
Maytag	MHW5630	\$898	Lowe's
Samsung	WF50A86	\$928	Lowe's
Electrolux	ELFW7537	\$958	Lowe's
LG	WM4000H	\$1,048	Home Depot
Samsung	WF45R61	\$1,099	Home Depot



*Electrolux
Model No. ELFW7537
\$958 at Lowe's*

There are 192 washing machines on the Consortium for Energy Efficiency (CEE) list available to Prescott Customers

WaterSense SMART IRRIGATION TIMER INCENTIVES

CITY	RESIDENTIAL	NON-RESIDENTIAL	COMMENTS
Prescott	\$75	\$75	Must be EPA approved and use local weather data or soil moisture sensors
Avondale	\$50	\$200	
Buckeye	\$100		Up to \$100 of purchase price
Surprise	\$125		Up to \$125 of purchase price
Tempe	\$250	\$3000	Up to purchase price for Non-Residential
Scottsdale	\$250	\$400	Up to \$250 Residential Up to \$400 Commercial
Chandler	\$250		Up to \$250 of purchase price
Mesa		\$12,500	Maximum rebate \$500 minimum equipment purchase

EPA website: lookforwatersense.epa.gov/Product-Search-Results-IrrigationController.html

WaterSense SMART IRRIGATION TIMER REBATES

FISCAL YEAR	NUMBER	REBATE	GALLONS SAVED
2017 ¹	4	\$300	108,040
2018 ¹	2	\$150	54,020
2019 ¹	3	\$225	81,030
2020 ²	15	\$1,125	114,000
2021 ²	14	\$1,050	106,400
2022 ²	24	\$1,800	182,400



Timers must be EPA approved

¹ FY17 - FY19 must install automatic timer, backflow prevention device and drip system irrigation, gallons saved: 27,010

² FY20 - FY22 must use local water data or soil moisture sensor be EPA WaterSense approved, gallons saved factor per device: 7,600

WaterSense SMART IRRIGATION TIMER PRICE COMPARISON

BRAND	STATIONS or ZONES	COST	STORE
Rain Bird	4 – 12 Stations	\$160 - \$333	Ewing
Orbit	12 Zone	\$138	Home Depot
Orbit	6 Zones	\$118	Lowe's
Rachio	8 Zones	\$200	Lowe's



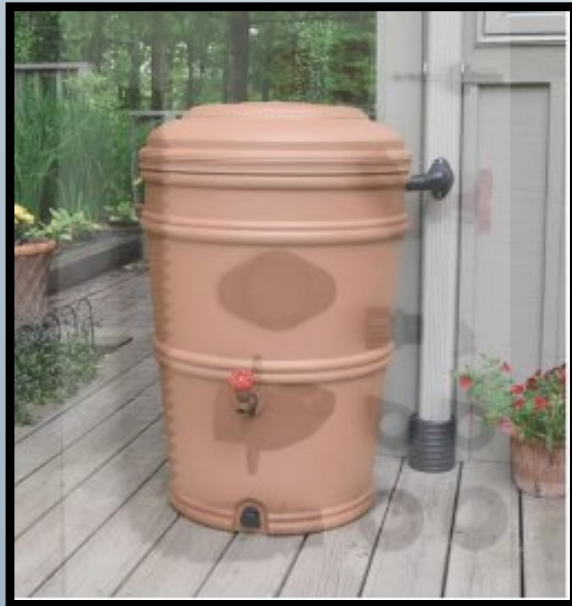
*City of Prescott
Irrigation Timer
Rebate*

\$75

ACTIVE RAINWATER HARVESTING

RAIN BARRELS OR CISTERN INCENTIVES

CITY	RAIN BARREL	REQUIREMENTS	MAXIMUM REBATE
Prescott	\$0.50	100-gallon capacity minimum per gallon of storage Can be in combination	\$500
Flagstaff	\$100	1,000-gallon capacity minimum Can be in combination	\$500



ACTIVE RAINWATER HARVESTING

RAIN BARRELS OR CISTERN REBATES

FISCAL YEAR	NUMBER	REBATE	GALLONS SAVED
2017	5	\$1,677.50	72,825
2018	27	\$7,412.50	285,495
2019	10	\$6,531.50	279,420
2020	19	\$7,778.00	535,227
2021	12	\$3,827.50	114,450
2022	15	\$3,938.50	171,480



In 2018, the Prescott Library installed a 1,000-gallon rain barrel

RAIN BARREL PRICE COMPARISON

BRAND	GALLON SIZE	COST
Hayneedle	50	\$77
Lowe's	50	\$98
Tank Depot	55	\$81
Home Depot	55	\$110
Wayfair	60	\$97
Tractor Supply	65	\$152
Overstock.com	100	\$67
Tractor Supply	100	\$300
Walmart	265	\$1,047



75 gallon \$185



100 gallon \$428



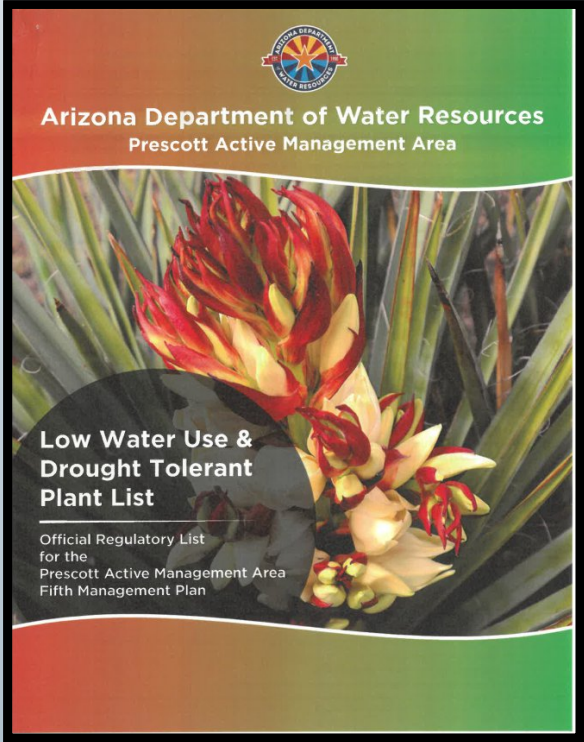
80 gallon \$176



265 gallon \$1,047

RAIN GARDEN INCENTIVE

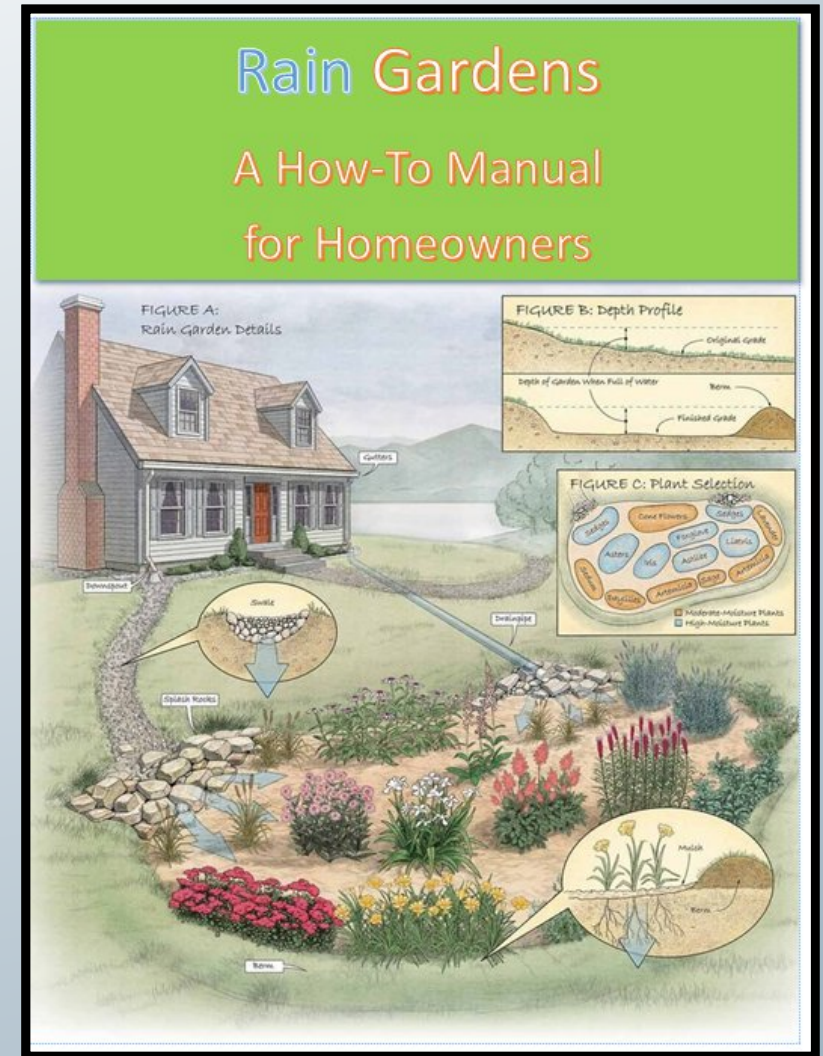
CITY	RAIN GARDEN	REQUIREMENTS	REBATE
Prescott	\$3.00	50 square foot minimum to capture 400 square feet minimum of stormwater from the roof	\$500 maximum



RAIN GARDEN REBATE

FISCAL YEAR	NUMBER	REBATE	GALLONS SAVED
2017	0	0	0
2018	0	0	0
2019	0	0	0
2020	1	\$192	5,760
2021	0	0	0
2022	1	\$500	37,950

“Rain Gardens A How-To Manual” is available at:
prescott-az.gov/?s=rain+garden+manual



TURF INCENTIVES

CITY	RESIDENTIAL REBATE	NON-RESIDENTIAL REBATE	COMMENTS
Prescott	\$0.50	\$0.50	200 square foot minimum - Residential 1,000 square foot minimum – Non-Residential
Flagstaff	\$0.25	\$0.25	per square foot
Tempe	\$0.25	\$0.25 \$1.00	per square foot between sidewalk and street
Surprise	\$0.50	\$0.50	Up to \$3,000 New home xeriscape, \$200
Mesa	\$500	\$5,000	500 square foot minimum 1000 square foot minimum

TURF INCENTIVES

CITY	RESIDENTIAL REBATE	NON-RESIDENTIAL REBATE	COMMENTS
Scottsdale	\$2.00	Up to \$20,000	5,000 square foot minimum Up to 25% cost 10,000 square foot minimum Up to 25% cost
Avondale	\$200 \$400	\$200	Residential - front or back yard Residential – front and back yard Non-Residential – 1,000 square foot minimum
Glendale	\$150 - \$750	\$150	Residential 1,000 square foot minimum Non-Residential per each 1,000 square feet
Buckeye	\$100 \$200	\$100 \$200	200 square foot minimum 500+ square feet

TURF REBATES

FISCAL YEAR	NUMBER	REBATE	GALLONS SAVED
2017	14	\$3,478	917,194
2018	13	\$3,299	851,680
2019	11	\$2,918	720,652
2020	19	\$15,270	1,007,900
2021	8	\$12,277	858,099
2022	14	\$10,191	676,599



In FY21, Prescott Unified School District replaced its grass football field with artificial turf
Water Savings = 3,799,244 gallons = 11.6 acre-feet

TURF DIMENSIONS



500 square feet is equal to 2.5 parking spaces
1,000 square feet is equal to 5 parking spaces



This area is 3,244 square feet

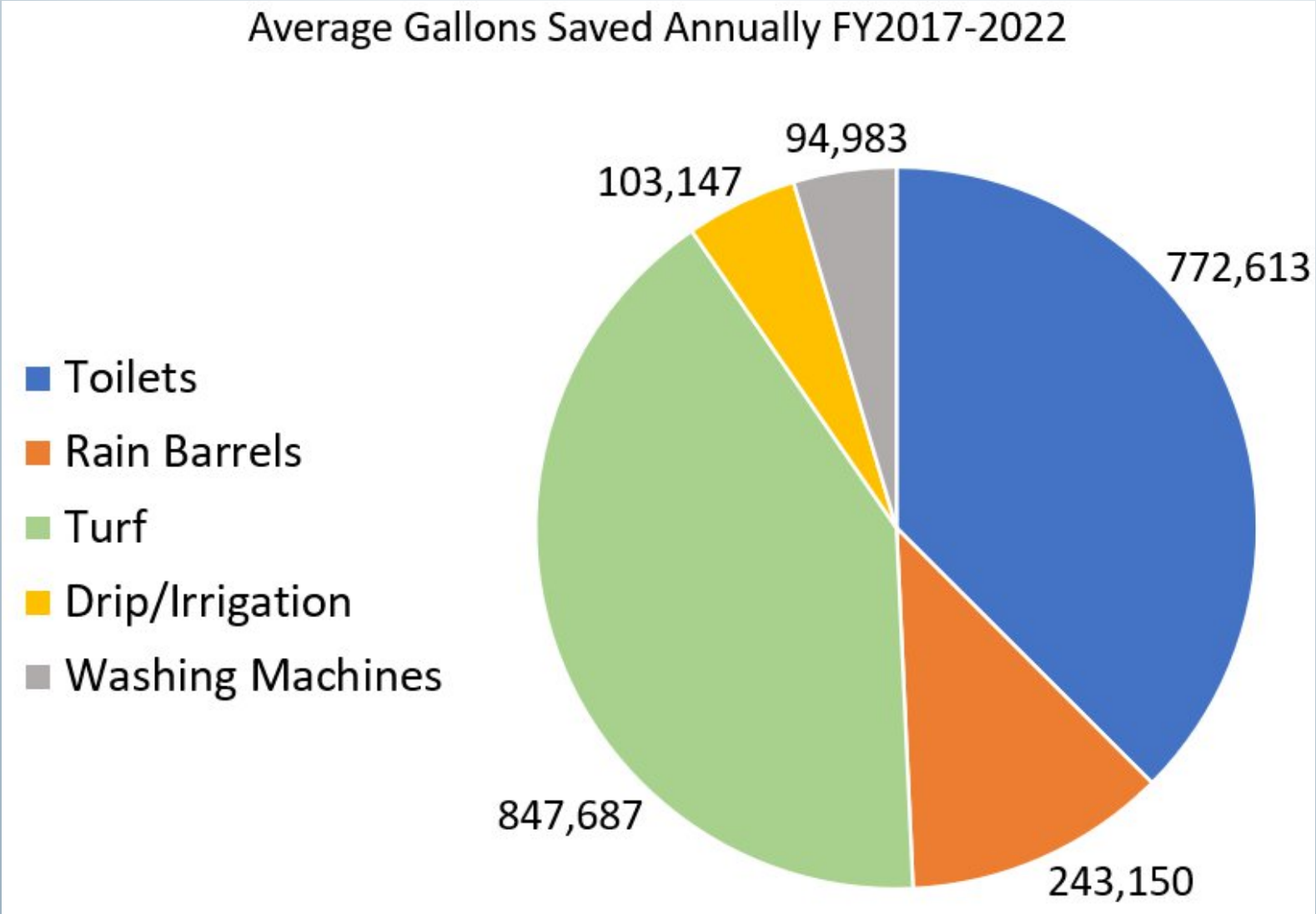
SOUTHWEST CORNER OF WHETSTINE AND DEMERSE AVENUES



BUILDING ON MILLER VALLEY ROAD



GALLONS SAVED FY2017-2022



An annual average of 2+ million gallons of water has been saved

RECOMMENDED CHANGES

DEVICE	CURRENT INCENTIVE	PERCENTAGE OF COST (Current Rebates)	RECOMMENDED INCENTIVE	PERCENTAGE OF COST (Recommended Rebates)
Toilet	\$75 \$100	37% 48%	No change	37% 48%
Urinal	\$50	12%	\$100 (0.125 gpf only)	36.1%
Washing Machine	\$200	22%	No change	22%
Irrigation Timer	\$75	40%	No change	40%
Rain Barrel	\$0.50 per gallon	<u>Size of Tank In Gallons</u> 50 to 65 = 16% to 32% 75+ = 9% to 20%	<u>Size of Tank In Gallons</u> 50 to 65 = \$0.50 75+ = \$1.00 Maximum \$500	<u>Size of Tank In Gallons</u> 50 to 65 = 16% to 32% 75+ = 18% to 38%
Rain Garden	\$3.00 per square foot	Varies	No change	Varies
Turf	\$0.50 per square foot	Varies	\$1.00 per square foot <i>Remove Minimum Size Requirement</i>	Varies

QUESTIONS?