



City of Prescott

Council Subcommittee on Water Issues

May 2, 2023 | 9:30 AM
201 N Montezuma Street
Council Chambers, 3rd Floor
Prescott, AZ 86301

AGENDA

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: [City of Prescott Public Portal](#)

Public comments for Council 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 April 4, 2023 Meeting Minutes.

Recommended Action: MOVE to approve the April 4, 2023 minutes as presented

B. Monthly PFAS Update.

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

C. Current Residential & Non-Residential Water Budget Overview for January 1, 2023 through April 19, 2023.

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

D. Discussion & Presentation Regarding the Launch of the City's Water Conservation Website.

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

- E. Discussion & Presentation Regarding an Overview and Status Update on the Water Resource Management Model (WRMM).

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

5. GENERAL ANNOUNCEMENTS FROM STAFF

6. ADJOURNMENT

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)).

CERTIFICATION OF POSTING OF NOTICE

The undersigned hereby certifies that a copy of the foregoing notice was duly posted at Prescott City Hall on 4/27/23 at 11:30 a.m. in accordance with the statement filed by the Prescott City Council with the City Clerk.



Sarah M. Siep, City Clerk



TO: MAYOR AND CITY COUNCIL
AGENDA: May 2 Council Subcommittee on Water Issues Meeting
DATE: May 2, 2023
DEPT: City Clerk
ITEM #: 4.A
SUBJECT: Approval of the April 4, 2023 Meeting Minutes.

ITEM SUMMARY

Attached for approval are the Council Subcommittee on Water Issues minutes for the April 4, 2023 meeting.

BACKGROUND

None

FINANCIAL IMPACT

None

RECOMMENDED ACTION

MOVE to approve the April 4, 2023 minutes as presented

ATTACHMENTS

1. April 4, 2023 WIS Minutes



City of Prescott

Council Subcommittee on Water Issues

April 4, 2023 | 9:30 AM
201 N Montezuma Street
Council Chambers, 3rd Floor
Prescott, AZ 86301

MINUTES

1. CALL TO ORDER

Chairperson Rusing called the meeting to order at 9:33 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. DISCUSSION & ACTION ITEMS

A. Approval of the March 7, 2023 Meeting Minutes

MOTION BY MEMBER SISCHKA TO APPROVE THE MARCH 7, 2023 MEETING MINUTES; SECONDED BY MEMBER MONTOYA: PASSED (3 - 0)

B. Presentation and Update Regarding the Residential and Non-Residential Water Budget Including Projects that Have Received Approval From January 1, 2023 to March 27, 2023.

Water Resource and Environmental Services Manager Brian Ruiz provided a presentation to the Subcommittee regarding the January 1, 2023, to March 27, 2023, residential and non-residential water budget.

Residential

Between January 1st and March 27th there have been four (4) residential projects approved totaling 11.76 acre-feet (AF). Two (2) projects were administratively approved and two (2) were approved by the Water Issues Subcommittee.

Total AF Budgeted - 25

Total AF Approved - 11.76

Total AF Remaining - 13.24

Non-Residential

Between January 1st and March 27th there have been nine (9) non-residential projects approved totaling 12.45 AF. Eight (8) were administratively approved, and one (1) was approved by the Water Issues Subcommittee.

Total AF Budgeted - 25

Total AF Approved - 12.45

Total Remaining - 12.55

Projects Under Existing Contracts

As of March 27, 2023 a total of 16 projects were approved under existing contracts. Most of these projects fall under groundwater subdivisions; however, there is one subdivision plat and one multi-family complex. The 16 projects are comprised of 474 residential units, totaling 66.62 AF and do not come out of the January 1st - June 30th, 2023, residential or non-residential budget.

Member Montoya asked for more clarification on the uncommitted demand related to the overall water policy. He would like to know the total balance, adding that this is his second or third request for this information.

Mr. Ruiz replied that staff would try to incorporate the non-committed demand to provide to the Subcommittee. Staff plans to have an update on the Water Resource Monitoring Management Model (WRMM) at the next Water Issues Subcommittee meeting and will try to link the non-committed demand into that information.

Chairperson Rusing stated that the public needs to realize that the water budget only budgets for new entitlements and asked about commercial usage.

Mr. Ruiz replied that on the non-residential side, Prescott Commons was incorporated and four (4) administratively approved items totaling 12.45 AF.

- C. Water Service Application No. WSA23-005 for Valley Street Apartments, an 18-unit Apartment Building Located on a One Acre Parcel on Valley Street. Location: APN 111-11-131, 836 Valley Street. Applicant: Stroh Architect on Behalf of Owner Kremer Family Living Trust.

Mr. Ruiz provided a presentation to the Subcommittee regarding WSA 23-005, an 18-unit apartment building located on one acre off of Valley Street, just north of Fair Street. Kelley Wise Engineering performed the demand analysis utilizing the WRMM multiplier of 0.12 per apartment, which totaled 2.16 AF/year. The site will incorporate 0.9 acres of landscaping and using the Arizona Department of Water Resources (ADWR) multiplier of 1.5 AF/year per acre, the total anticipated landscape usage is .14 AF. The total usage is determined to be 2.3 AF/year. The existing building on the property has a net usage of 0.64 AF/year, bringing the net usage for this property to 1.66 AF/year. If this project is approved to go forward, approximately 11.6 AF would be left in the budget until June 30, 2023.

Chairperson Rusing commented that she wants to be sure the project is sub metered and likes the concept of detention basins, which can function as rain gardens to collect stormwater runoff.

Deputy Public Works Director Gwen Rowitsch responded that the way the code is written, submetering depends on the way the building is plumbed. For example, if it is plumbed as one unit there would be one connection to each building. However, there is potential for submetering and that will be looked at when the plans are submitted.

Member of the Public Peter Kroopnick addressed the Subcommittee stating that there is groundwater contamination in this area and there are remedial efforts underway.

Architect Doug Stroh addressed the Subcommittee stating the project meets all criteria and he feels this is a quality project.

Chairperson Rusing asked if this project would alleviate some of the city's workforce housing shortage issues.

Mr. Stroh replied that these apartments are going at market rate.

Member Montoya commented that anytime supply is increased, the demand is driven down.

**MOTION BY MEMBER MONTOKA TO RECOMMEND FORWARDING
WSA23-005 TO COUNCIL FOR APPROVAL; SECONDED BY MEMBER
SISCHKA: PASSED (3 - 0)**

D. Presentation from Staff Regarding Monthly PFAS Update.

Utilities Manager Steve Olfers provided a presentation to the Subcommittee regarding the monthly PFAS update. He announced that staff had received the Environmental Protection Agency (EPA) proposed maximum contaminant level (MCL) of four (4) parts per trillion (ppt) for PFOA and PFOS. There are other caveats and staff are working through the details. With the announcement of the proposed MCLs, staff are evaluating how wells fit into the framework. All wells are under the proposed MCL except for Airport Well No.5.

Member Montoya asked if there is a short term or intermediate plan regarding Airport Well No.5.

Mr. Olfers responded that staff had been discussing ideas and potential sites to drill in new wells with the Water Works consultant. They are also considering different types of media to remove PFOS from the water system.

Member Montoya asked if the water would be sampled as the drilling occurs.

Mr. Olfers replied that staff has a report that shows where the best recovery might be around the airport, and they will be drilling testing holes to determine what contaminants are there. He added that staff is also concerned about arsenic levels, and with the limited ability to blend, staff will have to treat each well independently.

Member Montoya asked for confirmation that the consultant would be utilizing a blending system.

Mr. Olfers stated that there is a myriad of ideas, but the challenge is infrastructure, with no tank at the airport and other equipment near the airport.

Chairperson Rusing commented that the airport well which pumps the most is

downstream from the airport and the wastewater treatment plant. She hopes new sites will be located upstream and asked if staff had explored funding sources for the mitigation.

Mr. Olfers responded that staff has applied to the Water Infrastructure Finance Authority of Arizona (WIFA) and will be considering other ways to receive funding.

Member Sischka asked how much pressure the wells at the airport took off the Chino Valley wells.

Mr. Olfers stated that the Chino Valley Wells are responsible for a great majority of the city's water and the airport is more of a support system for the area around the airport and around Granite Dells Estates. Once the intermediate pump station is complete, staff will have flexibility to move water in both directions.

Member Montoya asked if blending would occur at the intermittent pump station when it comes online.

Mr. Olfers responded that blending would have to occur in the airport area because of the distribution system.

Member of the public Peter Kroopnick addressed the Subcommittee and asked if the recharge basins are a source of PFOS.

Mr. Olfers replied that although some geological work has been done, he has no proof either way, adding that samples taken have been focused on the public drinking water system.

Chairperson Rusing thanked Mr. Olfers and the Water Resource Department for keeping the city's water safe.

Mr. Olfers stated that the public comment period is open until May 30, 2023, and that the PFOS page is available through the EPA website.

Member Montoya asked how Public Works feels about the MCL standards.

Mr. Olfers replied that it is fortunate that the standards landed where they are.

E. Presentation and Discussion Regarding Reports for Arizona Department of Water Resources (ADWR) 2022 Annual Filing.

Water Resources Project Manager Kay Sydow provided a presentation to the Subcommittee regarding the Arizona Department of Water Resources (ADWR) 2022 Annual Filing reports. The Annual Report is required to be filed with ADWR annually and shows how much ground water is pumped from wells, how it is used and where it is sent. This year, the city pumped 7,020 AF which is less than the high in 2020 and 2021. The estimated lost and unaccounted water is 5.64 % and is consistent with last year. The largest category of use was single-

family (SF) and multi-family (MF) at 4,254 AF. The second largest category was commercial at 1,187 AF, followed by government usage at 398 AF. A combined total of 593 AF applies to turf, construction, metered and unmetered, and industrial.

Chairperson Rusing asked what the government category encompasses.

Ms. Sydow replied that is what the city uses and will check if it encompasses the VA and the county. She continued, stating that there were three (3) types of water recharged: surface water from Watson and Willow Lakes at 3,846 AF, reclaimed water from customers connected to city wastewater collection and treatment facilities at 3,141.8 AF, and Prop 400 water at 70.9 AF. The city recovers renewable supplies to offset groundwater production and the total recovered in 2022 was 5,347 AF.

Chairperson Rusing asked about groundwater pumping in 2020 and if the higher amount was related to COVID.

Ms. Sydow said that COVID could explain some of the increase, however 2020 was also a very dry year. She continued with an overview of the city's gallons per capita per day (GPCD) explaining that staff won't know the 2022 GPCD until sometime in the fall of 2023.

F. Presentation and Discussion Regarding Water Awareness Month and Participation in Accompanying Events.

Ms. Sydow provided a presentation to the Subcommittee regarding Water Awareness Month and upcoming events.

- A timeline of Prescott's water history from 1864 to 2023 is up in the library viewerie
- A new water conservation website, prescottwater.com, is available and provides tips on how to save water indoors and outdoors and a calendar of events
- April 22nd is Earth Day and will be celebrated on Cortez St. from 9:00 a.m. to 2 p.m.
- The Highland Center for Natural History will host a grow native plant sale. Online ordering begins April 19th, pick-up is on May 5th-6th from 8 a.m. to 2 p.m.
- The Yavapai County Home and Garden show is May 19th -21st at the Findlay Toyota Center

5. GENERAL ANNOUNCEMENTS FROM STAFF

None

6. ADJOURNMENT

There being no further business to discuss, Chairperson Rusing adjourned the meeting at 10:24 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 Voting Meeting of the City Council Voting Meeting of the City of Prescott, Arizona held on April 4, 2023. I further certify the meeting was duly called and held and that a quorum was present.

Jennifer Wiita, Deputy City Clerk



TO: MAYOR AND CITY COUNCIL
AGENDA: May 2 Council Subcommittee on Water Issues Meeting
DATE: May 2, 2023
DEPT: Public Works
ITEM #: 4.B
SUBJECT: Monthly PFAS Update.

ITEM SUMMARY

PFAS Monthly update

BACKGROUND

Since the Environmental Protection Agency (EPA) has released the proposed Maximum Contaminate Levels (MCLs) for chemicals known as PFAS, Utilities staff have been evaluating the impact that this proposed rule would have if it is promulgated in its current iteration. Using guidance from the EPA, the only ground water source that may be above these proposed MCLs is Airport Well #5. Unfortunately, the PFAS concentrations in this well exceed all the proposed MCLs. The other Entry Points to the Distribution System (EPDSs) that include EPDS 11 (water from the combined wells of the Chino Wellfield), Airport Well #2, and Airport Well #3 are below the proposed MCL for all sections of the proposed rule. Even with Airport Well #5 out of service, the system will be able to meet summer demands.

An evaluation of the blending plan for the Chino Wellfield is currently underway. This plan will take into account the total flows of the wells, as well as, the concentrations of PFAS and Arsenic. All the combinations of the different wells should not provide PFAS or Arsenic concentrations that are over the proposed MCLs for PFAS nor the current MCL for Arsenic. This plan is in draft, so there is still some work to be completed. However, early numbers look promising.

Quarterly PFAS samples were collected on March 25, 2023. No results have been received.

FINANCIAL IMPACT

No Financial Impact

RECOMMENDED ACTION

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

ATTACHMENTS

None



TO: MAYOR AND CITY COUNCIL
AGENDA: May 2 Council Subcommittee on Water Issues Meeting
DATE: May 2, 2023
DEPT: Public Works
ITEM #: 4.C
SUBJECT: Current Residential & Non-Residential Water Budget Overview for January 1, 2023 through April 19, 2023.

ITEM SUMMARY

Review and discussion regarding the current residential and non-residential water budgets, including projects that have received approval for water between January 1, 2023 and April 19, 2023.

BACKGROUND

The 2022 Water Policy, Policy 11-13, established a semi-annual water budget for residential and non-residential projects. The budget set for January 1, 2023 through June 30, 2023 for residential projects was 25 acre-ft/year and the budget set for non-residential projects was also 25 acre-ft/year.

Between January 1, 2023 and April 19, 2023 a total of 5 residential projects, totaling 11.93 acre-ft/year, were approved. Two projects exceeded the administrative approval threshold and were subsequently reviewed and approved by the Water Issues Subcommittee and City Council. The total remaining residential budget is 13.07 acre-ft/year.

Between January 1, 2023 and April 19, 2023 a total of 10 non-residential projects were approved, totaling 12.59 acre-ft/year. Of those 10 non-residential projects, 1 exceeded the administrative approval threshold and was subsequently reviewed and approved by the Water Issues Subcommittee and City Council. The total remaining non-residential budget is 12.41 acre-ft/year.

Between January 1, 2023 and April 19, 2023 a total of 19 projects were approved under existing contracts. 17 of these are new single-family homes located primarily within Groundwater Subdivisions. Additionally, there was 1 subdivision plat and 1 multifamily complex approved under existing contracts. The total number of residential dwelling units approved under existing contracts was 477, totaling 67.13 acre-ft/year. Projects under existing contract are not included in the water budget (Policy 9).

FINANCIAL IMPACT

N/A

RECOMMENDED ACTION

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

ATTACHMENTS

1. Approved Projects_January1-April 19_2023
2. Approved Projects - Under Existing Contract_January1-April 19_2023

WATER POLICY TRACKING TABLE
APPROVED PROJECTS

	RESIDENTIAL PROJECTS					
	PERMIT NUMBER	PROJECT TYPE	DESCRIPTION	AF	DATE APPROVED	APPROVAL TYPE
1	B2210-114	SINGLE FAMILY	INFILL SFR IN CITY LIMITS	0.17	1/23/2023	ADMIN - Single Family Residential
2	WSA23-012	MULTI FAMILY	8-UNIT COMPLEX IN CITY LIMITS	0.96	3/13/2023	ADMIN - Multi Family
3	WSA22-048	MULTI FAMILY	SUNSET APARTMENTS	4.35	3/14/2023	WIS/CITY COUNCIL
4	WSA23-006	MULTI FAMILY	PRESCOTT COMMONS	6.28	3/14/2023	WIS/CITY COUNCIL
5	WSA23-019	SINGLE FAMILY	INFILL SFR IN CITY LIMITS	0.17	4/6/2023	ADMIN - Single Family Residential

TOTAL APPROVED	11.93
TOTAL BUDGETED	25.00
TOTAL REMAINING	13.07

Please see Page 2 for Non-Residential Projects

WATER POLICY TRACKING TABLE
APPROVED PROJECTS

	NON-RESIDENTIAL PROJECTS					
	PERMIT NUMBER	PROJECT TYPE	DESCRIPTION	AF	DATE APPROVED	APPROVAL TYPE
1	B2212-085	NON-RESIDENTIAL	NEW OFFICE BUILDING	0.06	1/6/2023	ADMIN - Commercial Under 1 AFY
2	B2302-035	NON-RESIDENTIAL	REMODEL - BAR/RESTAURANT	0.27	2/24/2023	ADMIN - Commercial Under 1 AFY
3	WSA23-008	NON-RESIDENTIAL	REMODEL - MEETING SPACE	0.62	2/24/2023	ADMIN - Commercial Under 1 AFY
4	WSA23-003	NON-RESIDENTIAL	REMODEL - INPATIENT FACILITY	0.32	2/28/2023	ADMIN - Commercial Under 1 AFY
5	WSA23-009	NON-RESIDENTIAL	REMODEL - MEETING SPACE	0.04	3/13/2023	ADMIN - Commercial Under 1 AFY
6	WSA23-010	NON-RESIDENTIAL	REMODEL - RETAIL STORE	0.07	3/13/2023	ADMIN - Commercial Under 1 AFY
7	WSA23-011	NON-RESIDENTIAL	REMODEL - COFFEE SHOP	0.09	3/13/2023	ADMIN - Commercial Under 1 AFY
8	WSA23-013	NON-RESIDENTIAL	NEW RETAIL	0.04	3/16/2023	ADMIN - Commercial Under 1 AFY
9	WSA23-006	NON-RESIDENTIAL	PRESCOTT COMMONS	10.94	3/14/2023	WIS/CITY COUNCIL
10	WSA23-020	NON-RESIDENTIAL	REMODEL - COFFEE SHOP	0.14	4/5/2023	ADMIN - Commercial Under 1 AFY

TOTAL APPROVED	12.59
TOTAL BUDGETED	25.00
TOTAL REMAINING	12.41

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	ENG2301-003	1	0.25	N/A - Existing Contract/Agreement	Ewin Agreement	01/09/2023	WRMM Multiplier
RESIDENTIAL SINGLE FAMILY	B2301-025	1	0.17	N/A - Existing Contract/Agreement	Groundwater Subdivision	01/10/2023	WRMM Multiplier
RESIDENTIAL SINGLE FAMILY	B2301-038	1	0.17	N/A - Existing Contract/Agreement	Groundwater Subdivision	01/13/2023	WRMM Multiplier
RESIDENTIAL SINGLE FAMILY	B2301-007	1	0.17	N/A - Existing Contract/Agreement	Enchanted Canyon	01/19/2023	WRMM Multiplier
RESIDENTIAL SINGLE FAMILY	B2301-068	1	0.17	N/A - Existing Contract/Agreement	Groundwater Subdivision	01/19/2023	WRMM Multiplier
RESIDENTIAL SINGLE FAMILY	B2301-034	1	0.17	N/A - Existing Contract/Agreement	Groundwater Subdivision	01/19/2023	WRMM Multiplier
RESIDENTIAL SINGLE FAMILY	B2301-096	1	0.17	N/A - Existing Contract/Agreement	Groundwater Subdivision	01/24/2023	WRMM Multiplier
RESIDENTIAL SINGLE FAMILY	B2301-049	1	0.17	N/A - Existing Contract/Agreement	Groundwater Subdivision	01/30/2023	WRMM Multiplier
RESIDENTIAL SINGLE FAMILY	ENG2302-004	1	0.25	N/A - Existing Contract/Agreement	Groundwater Subdivision	02/09/2023	WRMM Multiplier
RESIDENTIAL SINGLE FAMILY	B2302-030	1	0.17	N/A - Existing Contract/Agreement	Groundwater Subdivision	02/09/2023	WRMM Multiplier
RESIDENTIAL SINGLE FAMILY	B2207-149	1	0.17	N/A - Existing Contract/Agreement	Groundwater Subdivision	02/10/2023	WRMM Multiplier
RESIDENTIAL SINGLE FAMILY	B2302-130	1	0.17	N/A - Existing Contract/Agreement	Groundwater Subdivision	03/01/2023	WRMM Multiplier
RESIDENTIAL SINGLE FAMILY	B2303-044	1	0.17	N/A - Existing Contract/Agreement	Summit Pointe Estates	03/14/2023	WRMM Multiplier
RESIDENTIAL SINGLE FAMILY	B2302-059	1	0.17	N/A - Existing Contract/Agreement	Groundwater Subdivision	03/16/2023	WRMM Multiplier
RESIDENTIAL SINGLE FAMILY	B2303-132	1	0.17	N/A - Existing Contract/Agreement	Groundwater Subdivision	04/05/2023	WRMM Multiplier
RESIDENTIAL SINGLE FAMILY	B2303-070	1	0.17	N/A - Existing Contract/Agreement	Groundwater Subdivision	04/06/2023	WRMM Multiplier
RESIDENTIAL SINGLE FAMILY	B2304-014	1	0.17	N/A - Existing Contract/Agreement	Groundwater Subdivision	04/06/2023	WRMM Multiplier
RESIDENTIAL MULTI FAMILY	WSA22-046	458	63.84	N/A - Existing Contract/Agreement	Prescott Lakes	01/23/2023	WRMM Multiplier
RESIDENTIAL MULTI FAMILY	B2207-012	2	0.24	N/A - Existing Contract/Agreement	Groundwater Subdivision	03/23/2023	WRMM Multiplier

	Number of Projects	Res Units	AF
TOTAL RESIDENTIAL	19	477	67.13
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



TO: MAYOR AND CITY COUNCIL
AGENDA: May 2 Council Subcommittee on Water Issues Meeting
DATE: May 2, 2023
DEPT: Public Works
ITEM #: 4.D
SUBJECT: Discussion & Presentation Regarding the Launch of the City's Water Conservation Website.

ITEM SUMMARY

The City was awarded a \$10,000 grant by the Arizona Department of Water Resources (ADWR) Water Management Assistance Program to design a City webpage devoted entirely to Water Conservation. The City matched this grant to produce an independent water conservation website that address indoor and outdoor water conservation along with providing educational materials and links to other conservation related websites.

BACKGROUND

One of the goals of the Arizona Department of Water Resources (ADWR) Water Management Assistance Program (WMAAP) is to provide financial assistance and technical resources to assist in the development and implementation of conservation programs. The WMAAP is funded from groundwater withdrawal fees collected from municipalities and other entities who withdraw groundwater in an Active Management Area from a non-exempt well. Withdrawal fees are levied based on the acre-foot volume of groundwater withdrawn and submitted with the Annual Water Withdrawal and Use Report in March of each year.

The WMAAP funds programs each year to assist in achieving the efficient use of water supplies. A presentation to the Prescott Groundwater Users Advisory Committee took place on February 28, 2022. At its conclusion, the Board voted unanimously to approve the \$10,000 grant. A letter dated March 9, 2022, from ADWR's Director Thomas Buschatzke acknowledges the award. To date, the following Tasks required for the grant, have been completed:

Task 1. Professional webpage designer will develop a plan of action for the webpage and provide an initial Design Plan. Deliverable: Design Plan

Task 2. The designer will maintain contact and provide weekly and/or monthly progress reports on the status of the redesign. Deliverable: Design Progress Report

Task 3. The final design will be submitted and approved by the City of Prescott. It includes Water Conservation information, both indoor and outdoor; Drought Status with links to Arizona Department of Water Resources (ADWR), National Oceanic and Atmospheric Administration (NOAA), and National Integrated Drought Information System (NDIS); Education and Activities for youth, teachers and adults; the Rebates and Incentives Program, where a Prescott Utility Billing Customer can find the rebate form and the Consortium for Energy Efficiency (CEE) list of approved washing machines; a monthly BLOG, and a Calendar of Events.

Task 4, which has not yet been completed but which will be due on June 30, 2023, requires the City of Prescott to collect user data on the traffic of the site and provide a summary of its findings. The final report will provide a breakdown of the overall project and determine the new website's effectiveness.

Grant payment is not to exceed \$10,000.

FINANCIAL IMPACT

Total grant funding request from ADWR WMAP is \$10,000 with a City match of \$10,000. Funding is available in the FY 22 budget.

RECOMMENDED ACTION

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

ATTACHMENTS

1. ADWR Award Letter, 3.9.2022
2. Conservation Website Presentation

DOUGLAS A. DUCEY
Governor



THOMAS BUSCHATZKE
Director

ARIZONA DEPARTMENT of WATER RESOURCES
1110 West Washington Street, Suite 310
Phoenix, Arizona 85007
602.771.8500
new.azwater.gov

March 9, 2022

Kay Sydow
City of Prescott
433 N. Virginia Street
Prescott, AZ 86301

RE: City of Prescott Conservation Webpage Redesign WMAP Fund Request

Dear Kay Sydow:

Thank you for your presentation and funding request at the February 28, 2022, Prescott Active Management Area (AMA) Groundwater Users Advisory Council meeting.

I am pleased to inform you that you have been awarded funding from the Water Management Assistance Program (WMAP) fund in the amount of \$10,000 for your proposed project: *City of Prescott Conservation Webpage Redesign* in the Prescott Active Management Area.

Melissa Sikes, WMAP Coordinator, will be reaching out to you to finalize details and begin drafting the award contract.

I look forward to your project increasing water use efficiency and conservation in the Prescott AMA. Please contact Melissa Sikes at msikes@azwater.gov if you have any questions.

Best Regards,

A handwritten signature in dark ink, appearing to read "Tom Buschatzke", is written over a light blue horizontal line.

Thomas Buschatzke, Director



Topics That Will be Covered in this Presentation Include:

- Water Conservation, Outdoors
- Water Conservation, Indoors
- Drought, with Direct Links to ADWR, NOAA, and NIDIS
- Education and Activities, Resources for Youth, Teachers and Adults
- Rebates and Incentives
- Events Calendar
- Monthly BLOG



WATER RESOURCES

The City Website Home Page has a Tile that links directly to the Water Conservation Website. If that is removed in the future, either of these two links will take you directly to the Dedicated Water Conservation page: <https://prescottwater.com/> or prescottwater.com



**YOU DEPEND ON WATER.
WATER DEPENDS ON YOU.**



CITY OF PRESCOTT
WATER CONSERVATION

Our supply of water is limited and our population continues to grow. Conservation efforts and life-long water saving behaviors will help ensure that we will have enough water for ourselves and for future generations.

OUTDOOR WATER CONSERVATION

WATER CONSERVATION STARTS AT HOME

As responsible citizens, it is our obligation to conserve and protect the planet's precious water resources. By taking a proactive approach, we can make a positive impact on our water usage and preserve this essential resource for future generations.

WATER CONSUMPTION

KEEP YOUR YARD FROM BEING A WATER GUZZLER



WATER PLANTS ONLY WHEN NECESSARY

More plants die from over-watering than from underwatering.



AVOID OVER FERTILIZING

Use a minimum amount of fertilizer and follow manufacturer's instruction. Over fertilizing adds to water pollution.



INSTALL A HIGH-QUALITY ARTIFICIAL TURF

Consider reducing or eliminating your grass altogether.



WHEN MOWING THE LAWN, RAISE THE BLADES TO THEIR HIGHEST LEVEL

Cutting grass too low makes the roots work harder, requiring more water.

[MORE TIPS ON REDUCING WATER USE](#)



INDOOR WATER CONSERVATION

WATER CONSERVATION STARTS AT HOME

In an era of growing water scarcity, it's crucial to take proactive measures to conserve water. By implementing a few simple changes, you can help preserve this vital resource for future generations.

WATER SAVING IN THE KITCHEN



-  **SKIP THE DRIP - FILL THE SINK**
When washing dishes by hand, fill one sink halfway with soapy water. Fill the other sink halfway with clean rinse water.
-  **ONLY RUN A FULL DISHWASHER**
Run the dishwasher only when it is full and avoid the high electric rate times of 4 -7 PM.
-  **STORE WATER IN THE FRIDGE**
Store drinking water in the refrigerator instead of letting the tap run while you're waiting for cool water to flow.
-  **START COLLECTING FOOD SCRAPS**
Kitchen sink garbage disposals require a lot of water to operate correctly. Disposals can add up to 50 percent to the volume of solids in the sewer system or lead to problems with septic systems. Scrape your dishes into the garbage can, or start a compost pile as an alternate method of disposing of food waste, instead of using a garbage disposal.

[EXPLORE REBATE OPPORTUNITIES](#)

There is also Information on
How to Conserve Water in the
Bathroom and House Wide

Each Section Provides a Link to

[EXPLORE REBATE OPPORTUNITIES](#)

DROUGHT PREPAREDNESS

OUR GO-TO RESOURCES FOR ARIZONA'S DROUGHT STATUS



Arizona Department of Water Resources (ADWR)

[VIEW 2022 STATISTICS](#)



National Oceanic and Atmospheric Administration (NOAA) and
the National Integrated Drought Information System (NIDIS)

[VIEW DETAILED INFORMATION](#)

EDUCATION AND ACTIVITIES

WATER CONSERVATION

EDUCATION & ACTIVITIES

Get involved! Create water conservation education opportunities with engaging activities for all ages. Browse our collection of resources, activities, pledges, and more below.

RESOURCES FOR

KIDS, TEACHERS, & ADULTS

YOUTH



WATER USE IT WISELY

Wayne Drop's favorite activities, interactive games, and trivia questions, and more to help you learn more about saving water.

> [VISIT SITE HERE](#)



ARIZONA DEPARTMENT OF ENVIRONMENTAL EQUALITY

Features a "Just For Kids" section, with an extensive suggested reading list for youngsters and young adults.

> [VISIT SITE HERE](#)



NATIONAL WEATHER SERVICE

Find a SciJinks Zap game, a FEMA lightning safety game, 2 coloring books, and a link to experiments and classes.

> [VISIT SITE HERE](#)

TEACHERS



SALT RIVER PROJECT

Empowering Teachers to power tomorrow. Resources helping teachers design successful conservation based classrooms.

> [VISIT SITE HERE](#)



ARIZONA MUNICIPAL WATER USERS ASSOCIATION

Water conservation for students and teachers is promoted through a variety of programs, with many Arizona cities represented.

> [VISIT SITE HERE](#)



US GEOLOGICAL SURVEY

Includes an interactive section where you can answer challenge questions, participate in opinion surveys about water issues, and take true/false quizzes.

> [VISIT SITE HERE](#)

ADULTS



US ENVIRONMENTAL PROTECTION AGENCY

Browse a Water Sense for Kids section. Also features information that adults might find useful regarding water conservation, both indoors and outside in the yard.

> [VISIT SITE HERE](#)



US DEPT. OF ENERGY

View an extensive collection of short videos on varied topics like wind power, hydropower, geothermal energy, fuel cell technology, feedstocks for biofuels, clean energy manufacturing, and many more.

> [VISIT SITE HERE](#)



CITIZENS WATER ADVOCACY GROUP

Local science-based citizens group, presents videos on various topics. All are recorded for future reference.

REBATES AND INCENTIVES

WATER CONSERVATION REBATE PROGRAM

Encouraging residents and businesses to conserve water via WaterSmart Rebate & Incentive Program. This program applies to the purchase and installation of devices to retrofit plumbing fixtures with high rates of flow, and to limit outdoor water use for landscaping purposes.

WATER CONSERVATION REBATE PROGRAM ELIGIBILITY

Open to all City of Prescott water utility customers. Please follow all rules and regulations of the program in order to receive a credit on your utility bill. (P.C.C. 3-10-8)

As of April 18, 2023, there were 215 Views on the Rebate Page – more than twice as any other number of Views.

REBATE OPPORTUNITIES:



RAINWATER CISTERNS

50-65 gallon capacity rain barrel:
\$0.50 per gallon of storage

75 gallon and larger capacity rain barrel:
\$1.00 per gallon of storage



RAIN GARDEN

\$3.00 per square foot of basin footprint



TURF REMOVAL

\$1.00 per square foot



WATERSENSE LABELLED SMART IRRIGATION TIMER

\$75.00



ULTRA-EFFICIENT WASHING MACHINE

\$200.00



TOILET REPLACEMENT

1.0 gallon per single flush toilet: \$150

1.0/1.28 gallons per dual flush toilet: \$125

1.28 gallons per single flush toilet: \$100



WATER CUSTOMERS ON SEPTIC SYSTEMS

\$50.00



COMMERCIAL URINALS

\$100.00



HOT WATER RECIRCULATION SYSTEM

\$150.00

RULES & INFORMATION



APPLY ONLINE

PRINT APPLICATION

COMMUNITY CONSERVATION EVENTS



30 Tips for 30 Days
Appeared on the
Conservation
Website
but also on
Facebook and
Instagram



APRIL IS WATER AWARENESS MONTH

Every person can make a difference → [Ways to Participate](#)



APRIL 22ND IS EARTH DAY!

Be sure to participate at this year's event at the Court House Square → [View Details](#)



BE AWESOME, SAVE WATER!

Help save water in our community by participating in Water Awareness Month! We have provided a tip for each day in April.

Click on the calendar day to view the full tip.

CONSERVATION BLOG



ENERGY SAVING TIPS FOR WINTER IN YOUR HOME

Education

If you are staying home during the winter months, these tips can help you save energy: 1 Reverse your ceiling fan so that the blades turn...

[Read More](#)

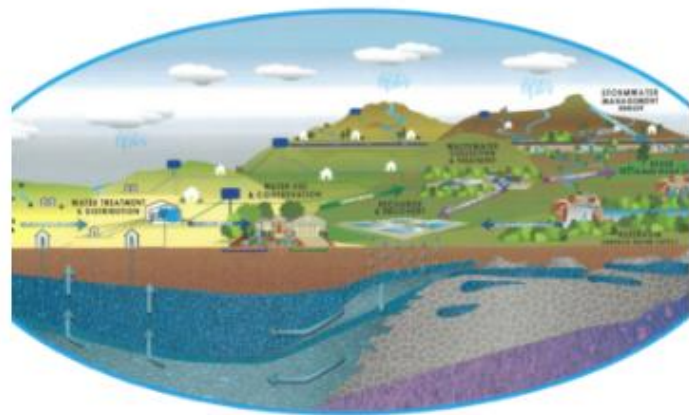


PROTECTING YOUR PLANTS FROM FROST

Water Conservation Issues, Water Saving Tips

Here in Prescott, where the average elevation is about 5,370 feet above mean sea level, the first fall frost can occur as early as October...

[Read More](#)



CITY OF PRESCOTT WATER CYCLE

Education

How water moves through the city: Rainfall and snow melt in our mountains and cities contribute stormwater to storm drains and creeks. This...

[Read More](#)



TO: MAYOR AND CITY COUNCIL
AGENDA: May 2 Council Subcommittee on Water Issues Meeting
DATE: May 2, 2023
DEPT: Public Works
ITEM #: 4.E
SUBJECT: Discussion & Presentation Regarding an Overview and Status Update on the Water Resource Management Model (WRMM).

ITEM SUMMARY

Brief summary providing an overview of the Water Resources Management Model (WRMM) as it relates to the 2022 Water Management Policy, and the status of the WRMM's annual update

BACKGROUND

In the adopted 2015 General Plan, the City's Water Resource Management staff identified the need for the development of a long-term water management plan. From the 2015 General Plan two text excerpts are provided below: *Section 10.4 Water Resources Long Term Management Plan*, and *Section 10.6 Water Resources Goals and Strategies, Goal 1, Strategy 1.1*.

10.4 WATER RESOURCES LONG TERM MANAGEMENT PLAN

In 2011, litigation ended resulting in recognition of the City of Prescott 2009 Decision & Order (D&O) as the official document defining water availability from the ADWR, which enumerates the sources of water to which the City is entitled. The D&O is based on ADWR examination using seven criteria that include a determination of physical, legal and continuous water availability for 100 years. Now that the City's current and future water rights have been determined, formulation of a long-term water management plan can occur to apply those resources to the City's needs. This plan will take into account all supplies recognized in the D&O, groundwater, surface water, treated effluent, and imported supplies, as well as conservation and an appropriate contribution by Prescott toward meeting safe yield in the AMA. All supplies will need to be assessed for their best use and to secure water for future generations.

10.6 WATER RESOURCES GOALS AND STRATEGIES

Goal 1 *Provide a water supply sufficient for the City to implement this General Plan.*

Strategy 1.1 *Develop a Long-Term Water Management Plan.*

The first step toward a City Long-Term Water Management Plan was the development of a tool to house the City's water supply and demand data, from which, the City could then run current and future scenarios. This data repository, known as the long-term water management model, was renamed in 2018 to the Water Resources Management Model (WRMM). This WRMM was referenced in the "City of Prescott Water Management Policy" (adopted November 19, 2019 by Resolution No. 2019-1722 with associated City Code changes by Ordinance Nos. 2019-1696 through 2019-1701, 2019-1651, and 2020-1712). It was next referenced in the "2022 Water Management Policy" (adopted April 26, 2022 by Resolution No. 2022-1818 with an associated City Code change by Ordinance Nos. 2022-1787). Within both documents, how this tool is employed appears to be limited.

The WRMM is Excel-based (spreadsheet driven) and includes the use of ArcGIS (mapping) for dataset analysis and visual presentation. The GIS aspect of the WRMM will not be operated at this meeting, but staff will provide a few static examples of how the WRMM can be used to help support water allocation within the 2022 Water Management Policy with City Council clarification as documented in the December 20, 2022, minutes.

As referenced in the 2022 Water Management Policy, Policy 3, "...Updated water usage estimates by project type shall be provided to the Water Issues Subcommittee and Council annually, at its March meeting as a discussion /information item." Although this aspect of the WRMM was updated and information was provided at the Subcommittee's March meeting, as of April 12, 2023, the full update to the WRMM is estimated at 98% complete.

FINANCIAL IMPACT

There is not fiscal impact at this time.

RECOMMENDED ACTION

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

ATTACHMENTS

None