



COUNCIL SUBCOMMITTEE FOR WATER ISSUES MEETING

SUBCOMMITTEE MEETING AGENDA TUESDAY, OCTOBER 6, 2020, 9:30 AM

Council Chambers, 201 South Cortez Street
Prescott AZ 86303
(928) 777-1272

Steve Blair, Councilman

Steve Sischka, Councilman

Billie Orr, Mayor Pro Tem

The following Agenda will be considered by the Prescott **Council Subcommittee for Water Issues** at its **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 Subcommittee may be attending the meeting through the use of a technological device.

This meeting may be viewed on Channel 64, and Facebook Live as well as on the City's website:
<https://prescott.12milesout.com/live-video>

Or Via Zoom By Registering in advance at (after registering you will receive a confirmation email with info to join the meeting):

https://us02web.zoom.us/webinar/register/WN_392Pg--wS2iMXgma-wlRnQ

Comments from the public may be submitted through the City website: <http://www.prescott-az.gov/city-management/leadership/speaker-request-form/>

1. Call to Order

2. Roll Call

SUBCOMMITTEE MEMBERS

Chairman Steve Blair

Member Billie Orr

Member Steve Sischka

3. Public Comment

Public comment will be accepted following each agenda item and 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. Approval of the September 1, 2020 Meeting Minutes

5. Water Request (more than 2AF/year) - Justice Center (WSA20-006).

6. Infrastructure Topic - Pumping vs. Recharge January to August 2020 Update

7. Conservation Topic - Updates

a. Conservation Outreach (Sydow)

b. Conservation Information on City's Utility Bill (Woodfill)

8. Memberships Topic: Updates
 - a. Upper Verde River Watershed Protection Coalition
 - b. Northern Arizona Municipal Water Users Association
9. Focus Topic - Comprehensive Agreement No. 1 Annual Report Presentation
10. Adjournment

EXECUTIVE SESSION

Upon a public majority vote of a quorum of the Council Subcommittee for Water Issues, the Council Subcommittee 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

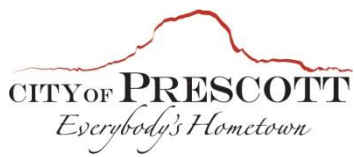
Confidentiality

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 Council Subcommittee for Water Issues 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 Council Subcommittee for Water Issues with the City Clerk

Sarah M. Siep, City Clerk



COMMITTEE AGENDA MEMO

MEETING DATE/TYPE: **SUBCOMMITTEE MEETING** **10-6-20**

DEPARTMENT: **Council Subcommittee for Water Issues**

AGENDA ITEM: Approval of the September 1, 2020 Meeting Minutes

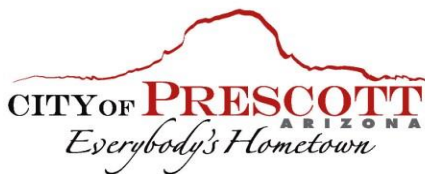
Item Summary

Attached for approval are the Council Subcommittee on Water Issues minutes for the September 1, 2020 Meeting.

Attachments

1. September 1, 2020 Meeting Minutes

Recommended Action: **MOVE** to approve the September 1, 2020 minutes as presented.



COUNCIL SUBCOMMITTEE FOR WATER ISSUES MEETING

SUBCOMMITTEE MEETING MINUTES

TUESDAY, SEPTEMBER 1, 2020, 9:30 AM

Council Chambers, 201 South Cortez Street
Prescott AZ 86303
(928) 777-1272

Steve Blair, Councilman
Steve Sischka, Councilman Billie Orr, Mayor Pro Tem

MINUTES OF THE CITY OF PRESCOTT COUNCIL SUBCOMMITTEE FOR WATER ISSUES HELD ON SEPTEMBER 1, 2020, IN THE COUNCIL CHAMBERS LOCATED AT 201 South Cortez Street, PRESCOTT, ARIZONA.

1. Call to Order

Chairman Blair called the meeting to order at 9:32 a.m.

2. Roll Call

Chairman Steve Blair - Present

Member Billie Orr - Present

Member Steve Sischka - Present

3. Public Comment

Public Comment will be accepted following each agenda item and limited to three (3) minutes.

Please complete a comment card and return it to City staff; speakers will be called in the order received.

4. Approval of August 4, 2020 Meeting Minutes

MEMBER ORR MOVED TO APPROVE ITEM 4; SECONDED BY MEMBER SISCHKA: PASSED [3-0].

5. Recommend Water Service Agreement Application No. WSA20-005 by Walter Brown Jr. Representing Diversified Partners, for Residential Water Supplies on APNs 103-20-570K and 570R.

Water Resources Project Manager Leslie Graser provided a presentation to the Subcommittee regarding WSA20-005 for property near Prescott Gateway Mall. The pre-application conference took place in February of this year, all information has been received and is being reviewed by staff. Pending the Subcommittee's recommendation this will be before Council for review and approval at the September 22 Voting Meeting. Proposal is 25 single family residential dwelling units utilizing 4.25 acre feet of water, and is currently in plat review.

Chairman Blair asked staff what the site plan will look like.

Public Works Administration Support Services Manager Gwen Rowitsch commented that the proposals will be reviewed by the Planning & Zoning Commission before going to Council and at that time they will have site plans.

Subcommittee Consensus that this will be good for the mall.

MEMBER SISCHKA MOVED TO RECOMMEND WATER SERVICE AGREEMENT NO. WSA20-005 BE REFERRED TO COUNCIL FOR APPROVAL; SECONDED BY MEMBER ORR: PASSED [3-0].

6. Infrastructure Topic: Pumping vs. Recharge Update

Water Resource Project Manager Leslie Graser provided a presentation to the Subcommittee regarding a pumping and recharge update to include July 2020. The city is still recharging more than is being pumped, but Ms. Graser noted that July and August were low precipitation months and the numbers follow seasonal patterns so there may be changes in later months of the year.

Member Orr commented that she would like to have staff put together a press release and get these numbers out to the public so they are aware of how the city is doing.

Chairman Blair agreed and stated that they will have the City Manager speak with John Heiney to have that information put out. This doesn't get seen as often as it should. He asked staff to address the distance between recharge facility and pump facility.

Public Works Director Craig Dotseth addressed the Subcommittee regarding the fact that there are two wells within the airport area with a third one being outfitted which will be done by the end of this year and will reduce the amount that is being pumped in the Chino Valley area. There is general debate over how long it takes for the five mile distance to be covered between recharge and pump facilities.

Member of the Public Leslie Hoy addressed the Subcommittee requesting that they ensure the press release is clear and emphasizes the fact that we are in a drought and had an extremely dry July and August. She also said she thinks it would be beneficial to wait until the August numbers are in before releasing any information.

Subcommittee consensus to release numbers after August as well.

Member of the Public Peter Krupnick addressed the Subcommittee adding that one of the things missing from the graph is how much of the recharge comes out of the lakes and streams and stated that he would appreciate if that information is included and clarified for the public.

Chairman Blair concurred.

Mr. Dotseth added that the 2984 acre feet of surface water is related specifically to the two reservoirs.

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

7. Focus Topic: FY21 Conservation and Education Outreach

Water Resource Project Manager Leslie Graser provided a presentation to the Subcommittee regarding outreach tied to the Conservation Program in light of COVID-19 and the input staff is seeking for focus options for the coming fiscal year.

Proposed Focuses:

- * Rebate Program
- * Outdoor conservation
- * Indoor conservation
- * Special projects
- * K-12 education
- * Adult/customer education
- * Customers using septic systems

Marketing:

- * Facebook
- * Website
- * Radio
- * How newsletters
- * Mailed information
- * Local magazines

Chairman Blair suggested that if it is possible to determine when the annual meetings for the various HOAs take place that would be a beneficial place for staff to share information.

Member Sischka agreed and commented that it would be beneficial to re-do our water bills to show people how much water they have used so they can see cumulative amounts.

Ms. Graser said that staff could look into that, but advised that typically Finance puts those together and determines what will be included. It would be a multi department effort but we can definitely look at options.

Chairman Blair added that he was impressed with the Water Rebate Incentives Program card provided by staff as a model, and would like to see it go out to customers that would benefit from it. All of these things are helpful to getting the message out.

Partnerships:

- * Yavapai County Cooperative Extension
- * Highland Center for Natural History
- * Yavapai County Contractor's Association
- * Community Nature Center
- * HOAs

Topics:

- * Water 101
- * Rebate Program
- * Water System
- * Groundwater
- * Recharge and Recovery
- * Prescott AMA
- * Finding and Fixing Leaks
- * Conservation retro fits at your home or business

Staff will continue to have Facebook and website updates, and will work with Finance on options for including information in the bills, as well as working on options for HOA meetings.

Member Orr suggested that the Adult Center would also be a good place to promote these types of things.

Chairman Blair added that CWAG should be on this partnership board as well because they are involved and they care. It is important that even though our opinions are different we keep them informed and exchange ideas and concerns. He also added that the Subcommittee members would be happy to participate in visits and meetings as well.

Ms. Graser agreed.

Member of the Public Leslie Hoy addressed the Subcommittee stating that she appreciates Chairman Blair's comments about CWAG and they would like to have a nice working relationship with everyone.

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

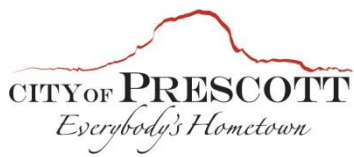
8. Adjournment

There being no further business to discuss, Chairman Blair adjourned the meeting at 10:16 a.m.

STEVE BLAIR, Chairman

Respectfully Submitted by:

Sarah M. Siep, City Clerk



COMMITTEE AGENDA MEMO

MEETING DATE/TYPE: **SUBCOMMITTEE MEETING** **10-6-20**

DEPARTMENT: **Council Subcommittee for Water Issues**

AGENDA ITEM: Approval of Water Service Application No. WSA20-006 from Brandon Shoults Representing Yavapai County Facilities for Commercial Supplies on APNs 105-04-011G, 105-06-003H, and 105-06-003B.

Item Summary

Water Service Application No. WSA20-006 was filed on September 15, 2020. The applicant is seeking water supplies for the Yavapai County Criminal Justice Center whose campus at build out will include a 600 bed jail, 2 courts, and behavioral health services.

Background

City of Prescott Water Management Policy (WMP) adopted on November 19, 2019, includes a Water Connection Policy. A water demand analysis was performed by a civil engineer at the applicant's expense (Attachment 3) resulting in an Average Daily Usage of 51,569 gallons/day (58 acre-feet/year) at full buildout.

The domestic water demand for the Center was calculated based on total fixture units. The current proposed construction is calculated to have a domestic water demand of 10,887 gallons/day (12.2 acre-feet/year).

Further, the WMP sets forth a Water Application Procedure for Projects within City Limits requiring more than 2 AF/year. The applicant has completed the following:

Contact Community Development for instructions on how to proceed	√
Attend Pre-Application Conference (PAC)	7/16/2020
Submit all required applications	9/14/2020
Complete the platting process, if required	N/A
Present the project to the Water Issues Subcommittee	10/6/2020
City Council will consider the proposed project water use	10/27/20

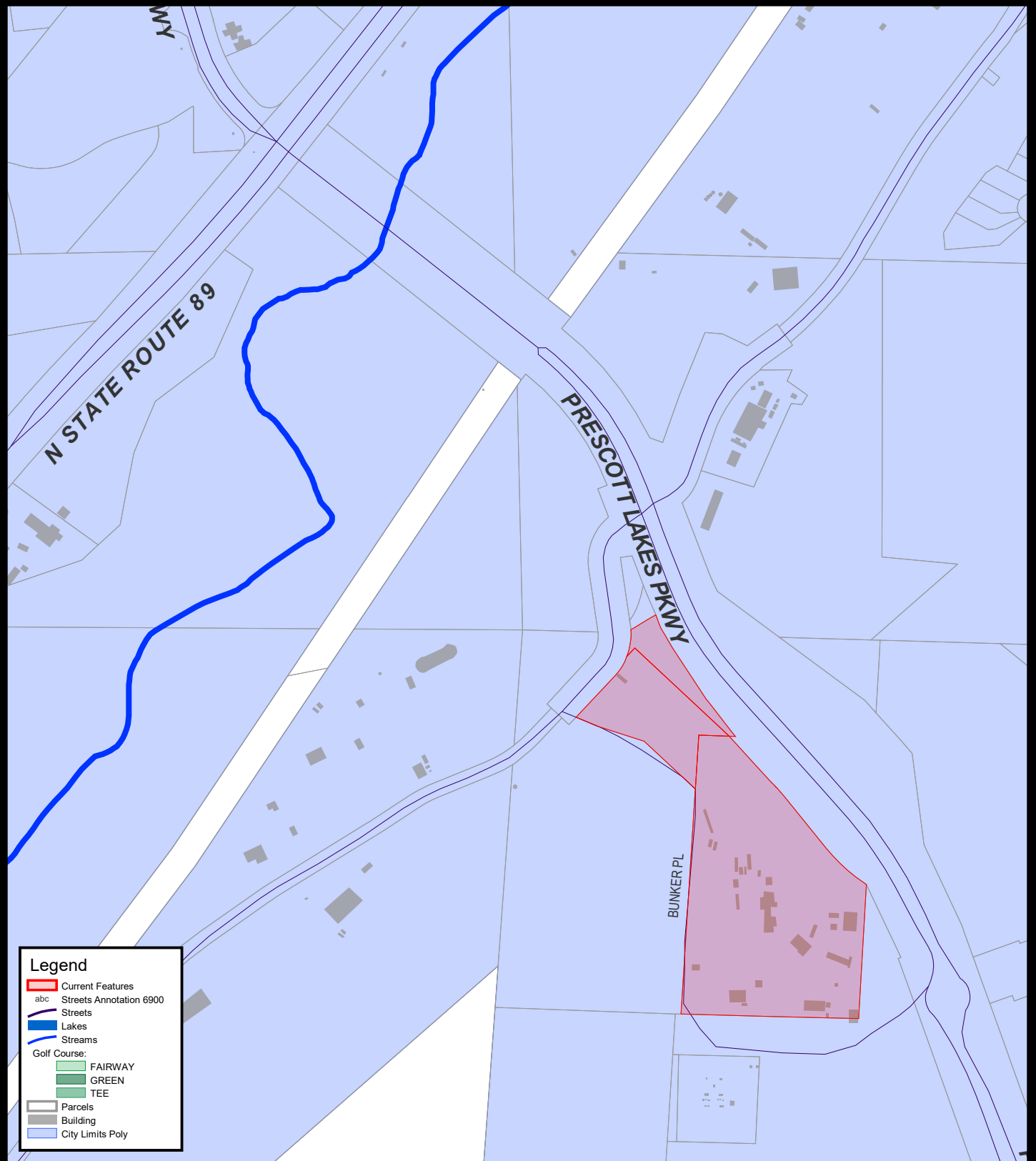
Attachments

1. Location Map
2. Water Service Application No. WSA20-006

AGENDA ITEM: Approval of Water Service Application No. WSA20-006 from Brandon Shoults Representing Yavapai County Facilities for Commercial Supplies on APNs 105-04-011G, 105-06-003H, and 105-06-003B.

3. Justice Center Water Report (Page 1-13 only)

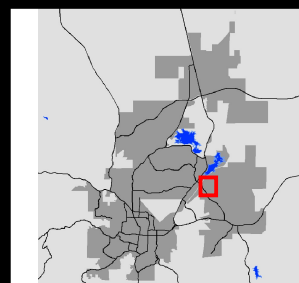
Recommended Action: **MOVE** to recommend Council approval of Water Service Application No. WSA20-006.



Legend

- Current Features
- abc Streets Annotation 6900
- Streets
- Lakes
- Streams
- Golf Course:
 - FAIRWAY
 - GREEN
 - TEE
- Parcels
- Building
- City Limits Poly

Attachment: Location Map (3123 : Water Service Agreement: WSA20-006)



Yavapai County
Justice Center

APNs 105-04-011G,
105-06-003H, and
105-06-003B

This map is a product of
The City of Prescott



0' 1" = 473'



WATER SERVICE AGREEMENT APPLICATION

Public Works – Permit Center
201 S. Cortez St., Prescott, AZ 86303
(P) 928.777.1269

Water Service Agreement Applications are submitted in accordance with City Water Management Policy (Resolution NO. 2019-1722). Submit all required documents directly to the Permit Center at 201 S. Cortez St, Prescott, AZ 86302. Please print your contact information legibly.

APPLICANT INFORMATION

Applicant: KIMLEY-HORN Contact Person: ANDREW BAIRD
Address: 201 N. MONTEZUMA City/State/Zip: PRESCOTT / AZ / 86301
Phone: 928 458 7121 Email: andrew.baird@kimley-horn.com

Property Owner: YAVAPAI COUNTY FACILITIES Contact Person: BRANDEN SHOULTS
Address: 1128 COMMERCE DR. City/State/Zip: PRESCOTT / AZ / 86305
Phone: 928-771-3115 Email: brandon.shoultz@yavapai.us

PROJECT SITE

Address: 1455 SUNDY BATH RD PRESCOTT AZ 86305
Current Zoning: IG Proposed Zoning: IG
Assessor's Parcel Number(s) of Existing Property:
105 - 04 - 0116 105 - 06 - 003H 105 - 06 - 003B
Existing Water Service (Y/N): N Existing Sewer Service (Y/N): N
Existing Well (Y/N): Y If Yes, Well Registry No.: 55-602172 (YC-TO BE ABAN.)
CALL ABANDONED OR IN PROCESS TO BE ABAN. 55-602178 (YC-TO BE ABAN.)
55-507025 (CCP-ABAN)

PROJECT DESCRIPTION

Is the project Residential or Commercial? COMMERCIAL
Please provide brief description: YAVAPAI COUNTY CRIMINAL JUSTICE CENTER
INCLUDES HOUSING, TWO COURTS AND COORDINATED HEALTH

of Proposed Units: 1 # of Proposed Lots: 1

Has a Water Demand Analysis been completed (commercial)? YES

Has a building permit application been submitted? N/A

Has a Planning and Zoning Recommendation been made? NO

Applicant Signature: [Signature]

Date: 9/15/20

OFFICE USE ONLY

Assigned Tracking No. WSA -

Date entered

FINAL WATER REPORT

Yavapai County Criminal Justice Center

Prepared for:

Yavapai County

Prepared by:

Kimley-Horn

201 N. Montezuma Street
Suite 206
Prescott, Arizona 86501

Attachment: Justice Center Water Report (Page 1-13 only) (3123 : Water Service Agreement: WSA20-006)

FINAL WATER REPORT

YAVAPAI COUNTY CRIMINAL JUSTICE CENTER



A handwritten signature in black ink, appearing to read "A. Baird", written below the professional seal.

OCTOBER 2020

Prepared By:

Kimley»Horn

Attachment: Justice Center Water Report (Page 1-13 only) (3123 : Water Service Agreement: WSA20-006)

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List of Appendices

- A Location Map Site Plan
- B Utility Plans
- C Fire Flow Test
- D Calibration Model and Results
- E Water Model Schematic and Water Model Results
- F Domestic Water Demand – Plumbing Schedule

1.0 Introduction

1.1 Intent and Scope

The intent of this document is to evaluate the potable water infrastructure for the proposed Yavapai County Criminal Justice Center (YCCJC) located near the SWC of Prescott Lakes Parkway and Sundog Ranch Road in Prescott, Arizona. See Appendix B for the Utility Plan. As a result of this analysis, it will be determined if the potable water infrastructure is capable of satisfying the projected fire flow, average daily, and maximum daily demands for the proposed development and ultimate build out in accordance with the International Fire Code, 2012 (“IFC”) for fire prevention and City of Prescott General Engineering Standards.

1.2 General Theory

The water system servicing the proposed development is modeled using WaterCAD, developed by Haestad Method. The program utilizes the fluid mechanic headloss theory known as the Hazen-Williams method. This is the generally accepted method used to evaluate water distribution systems.

1.3 International Fire Code, 2012

The 2006 International Fire Code (“2006 IFC”) is utilized to determine water system requirements during fire flow conditions. The IFC evaluates building construction type, occupancy descriptions, and building square footage to set minimum fire flow with regards to a development.

2.0 Basis of Design

2.1 Project Description

The proposed development of the Yavapai County Criminal Justice Center (YCCJC) encompasses approximately 14.21+ net acres, consisting of 3 parcels in a portion of Section 25, Township 14 North, Range 2 West of the Gila and Salt River Base and Meridian in Yavapai County, Arizona. There are two points of access located north (Sundog Ranch Road) and south (Prescott Lakes Parkway) of the development. The project is located within the City of Prescott service area.

The scope of this project consists of a new Criminal Justice Center campus including 152 bed Jail and County Courts building and Collocated Behavioral Health building. The ultimate build out will include two additional housing units (450 beds). The site is proposed to be served with a 12-inch fire line around the west side of the site, looping the City of Prescott water line and an 8-inch internal water line loop. See Appendix A for Location Map and Site Plan.

2.2 Off-Site Water Infrastructure

An existing 12-inch Ductile Iron Pipe (DIP) public water line is located along the north end of the property in a Public Utility Easement. The existing water line exits the site and connection into the existing 12-inch east-west water line located in Prescott Lakes Parkway. A 12-inch stub is located in the west leg of the Prescott Lakes Parkway Roundabout.

2.3 On-Site Water Infrastructure

A 12-inch DIP water line is proposed along Bunker Place to connect the existing water line in the Prescott Lakes Parkway Roundabout and the stub located at the northwest corner of the property. An 8-inch DIP water line is proposed through the interior of the site to provide a domestic water source and fire protection through the campus. The proposed improvements are public water line located

within a 20-foot City of Prescott Water Line Easement to be owned and operated by City of Prescott.

There are 5 fire hydrants proposed through out the campus, 2 located off of the 12-inch water line along Bunker Place and 3 off of the internal 8-inch loop. The domestic water connection for the Jail and County Courts building is proposed off of the 12-inch water line in Bunker Place. The domestic water connection for the Collocated Behavioral Health building is proposed off of the 8-inch internal loop. The proposed Fire Department Connection for both buildings are located off of the 8-inch internal loop. Refer to Appendix B for the Utility Plan.

2.4 Water Demand

Fire Flow Demand

The proposed Yavapai County Criminal Justice Center is a Construction Type II-B. The required fire flow per building was determined using the City of Prescott Fire Protection Guidelines and is based on construction type, building square footage, and provision of an approved sprinkler system. The City of Prescott Fire Department allows for a maximum 25% reduction of the required fire flow for building provided that the building is equipped with an interior fire suppression sprinkler system. The minimum fire flow requirements for the proposed buildings are shown in Table 1. Table 1 also shows the required building fire flow based upon a maximum fire flow reduction of 25% allowed by the City of Prescott Fire Department.

Table 1: Required Building Fire Flows

Building	Building Construction Type¹	Building Area² (SQ FT)	Required Fire Flow³ (GPM)	Reduction³	Required Fire Flow⁴ (GPM)
Jail and County Courts	IB	112,334	3,500	25%	2,625
Collocated Behavioral Health	IB	7,769	1,500	-	1,500

¹Construction Type based on IBC²Areas based on Site Plan (Appendix A)³Fire flow requirements per City of Prescott Fire Prevention Standards. Maximum reduction = 25%⁴Minimum Fire Flow Requirement of 1,500 gpm per 2006 IFC**Domestic Water Demand**

The domestic water demand for Yavapai County Criminal Justice Center is calculated based on the total water fixture units. The proposed improvements have a total domestic water demand of 10,887 gallons per day. The ultimate build out has a total domestic demand of 51,569 gallons per day. See Appendix F for a Plumbing Schedule.

3.0 Hydraulic Calculations

3.1 Fire Test Results

A Fire Hydrant Flow Test was conducted in order to determine capacity of the existing infrastructure to service the proposed development. Residual and static pressures were obtained from a flow test performed on one fire hydrant near the site, along Sundog Ranch Road, by All West Fire Protection Systems on March 9th, 2020 (see Appendix C for flow test results). The residual and static pressures from the flow test are included in Table 2.

Table 2: Fire Hydrant Flow Rate Test Results (10% Safety Factor)

<i>Fire Hydrant</i>	<i>Static Pressure (psi)</i>	<i>Residual Pressure (psi)</i>	<i>Flow (gpm)</i>
Pressure	155	140	1,725

From the static and residual pressures obtained on March 9th, 2020 the maximum operating flow as calculated to be 5,650 GPM at 20 psi. This calculation includes a 10% factor of safety. The computer model geometry was then constructed based on the existing water infrastructure using a reservoir and pump and then calibrated to the flow test. This calibration ensures that the actual infrastructure characteristics (flow, pressure) are simulated by the computer model. The proposed water infrastructure was then incorporated into the calibrated water model. This procedure was followed in order to provide the baseline hydraulics which represent actual field conditions at the time of the Fire Hydrant Flow Test. See Appendix D for Calibration Model and Results.

3.2 Water Analysis

The Average Daily Demand, Maximum Daily Demand, and Maximum Day Demand plus Fire Flow Demand analyses were performed, for the development, to evaluate the proposed water infrastructure. The system was analyzed to ensure that the existing and proposed public water infrastructure meets the following criteria as set forth in the City of Prescott General Engineering Standards.

Table 3: Design Criteria for Public Water Infrastructure

Scenario	Criteria	Constraint
Max Day + Fire Flow	Minimum Pressure	20 psi
Max Day	Maximum Velocity	5 fps

The fire flow demand of 1,500 GPM was applied at each single fire hydrant and the full fire flow demand was applied at the building and the minimum PSI was recorded at each node

3.3 Results

As previously discussed, Maximum Day Demand plus Fire Flow Demand analyses were performed for ultimate build out development to the exiting adjacent off-site water infrastructure and the proposed on-site water system. See Appendix E for the Water Model Schematics and Results. A summary of the water analysis results for the public distribution main is tabulated below:

Table 4: Fire Flow and Maximum Daily Demand Water Model Result Summary

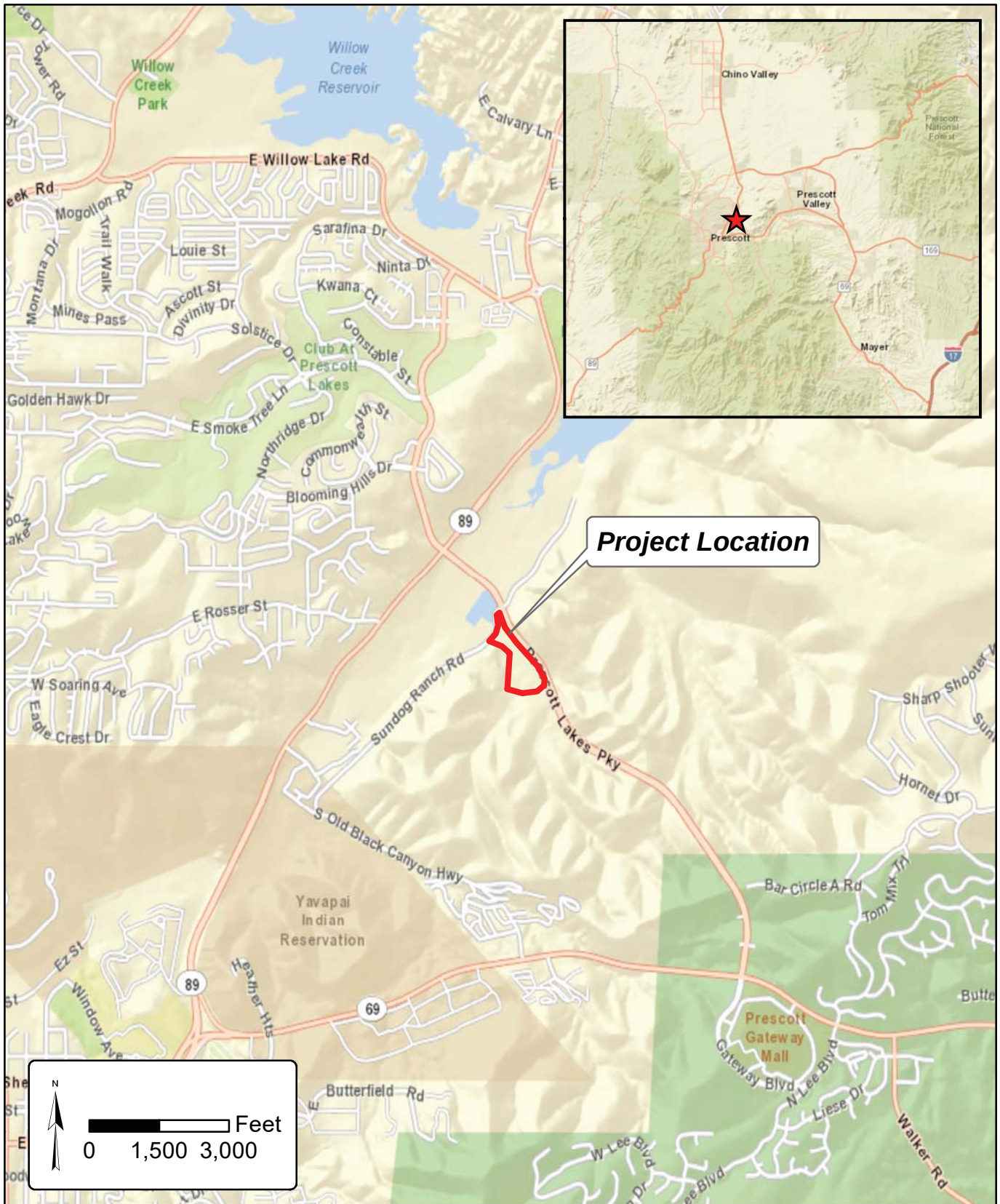
<i>Criteria</i>	<i>Constraint</i>	<i>Max Day + FF</i>
Minimum System Pressure	20 psi	20 psi
Maximum Velocity	5 fps	Yes*

3.4 Recommendations

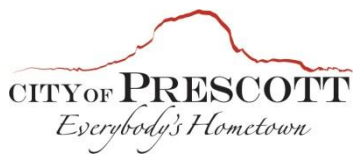
The proposed on-site water system and the existing, adjacent off-site public water infrastructure, as outlined by this analysis, is adequate and is sufficient to meet the required domestic water demand and fire flow demand for the proposed Yavapai County Criminal Justice Center project.

Appendix A

Location Map and Site Plan



 Expect More. Experience Better.	Yavapai County Community Justice Center	Prescott, AZ
	Figure 1. Location Map	



COMMITTEE AGENDA MEMO

MEETING DATE/TYPE: **SUBCOMMITTEE MEETING** **10-6-20**

DEPARTMENT: **Council Subcommittee for Water Issues**

AGENDA ITEM: Infrastructure Topic - Pumping vs. Recharge January to August 2020 Update
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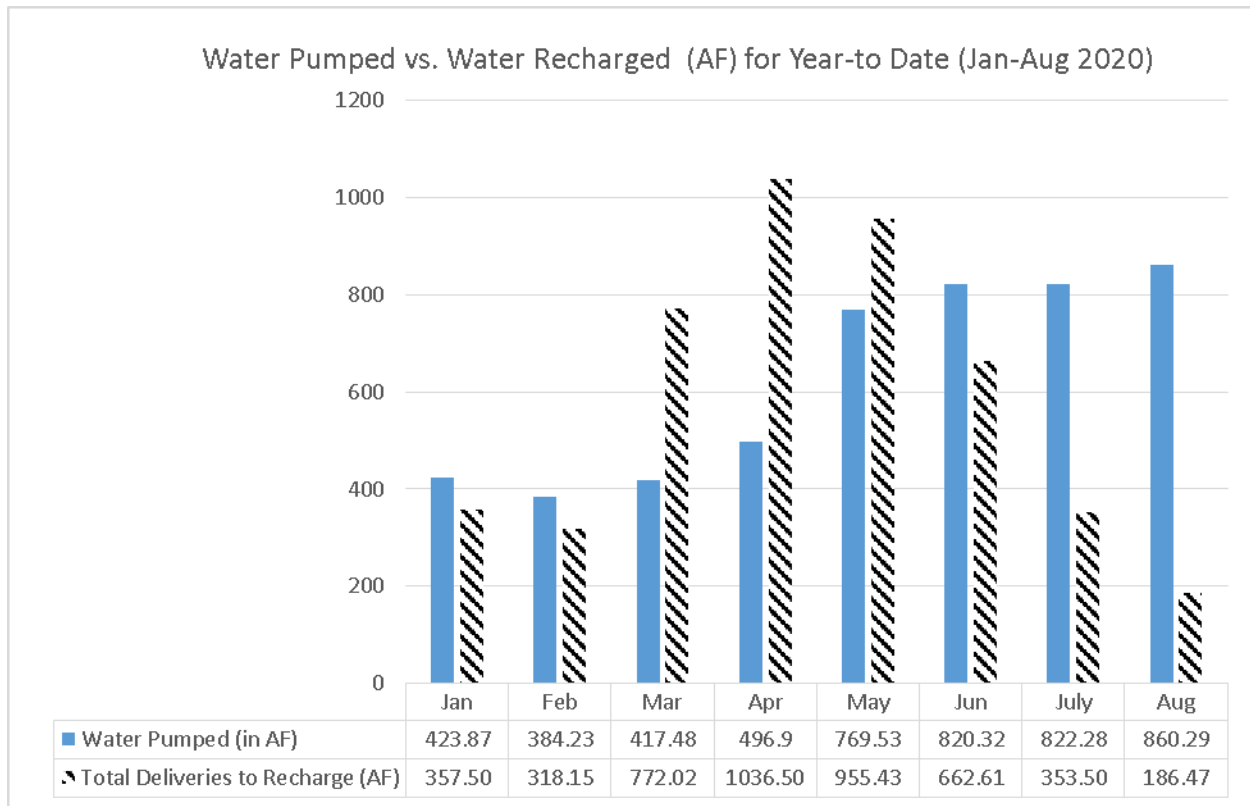
Item Summary

This is a standing item for the Subcommittee agenda. Updates on the City's pumping of water supplies and the recharge thereof will be provided each month as provisional. In July 2020, the Subcommittee reviewed pumping vs recharge for the last 5-years. At this and future meetings, updates will be provided for year-to-date, with this meeting's information for January – August.

Background

Every year the City collects daily information on its water and wastewater systems. This data is compiled in various formats and subsequently used to meet Annual Water Withdrawal and Use reporting requirements to the Arizona Department of Water Resources (ADWR).

Calendar Year 2020 – January through August

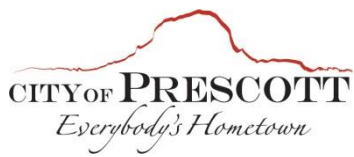
AGENDA ITEM: Infrastructure Topic - Pumping vs. Recharge January to August 2020 Update


YTD total pumped: 4,994.91AF
YTD total recharged: 4,642.18 AF

Note 1: In accordance with A.R.S. §45-851.01(B), surface water supplies,
If water is stored pursuant to a water storage permit and its use is based on a decreed or appropriative water right, the approximate recoverable amount of water stored in a month shall be recovered on or before the last day of the following month or within the same calendar year, whichever is earlier, unless the water is credited to a long-term storage account as prescribed by section 45-852.01

Note 2: The City holds a non-recoverable long-term storage account for permanent recharge volumes (City Charter, Article I, Section IV).

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

**COMMITTEE AGENDA MEMO**

MEETING DATE/TYPE: **SUBCOMMITTEE MEETING** **10-6-20**

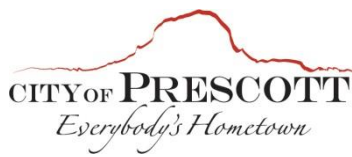
DEPARTMENT: **Council Subcommittee for Water Issues**

AGENDA ITEM: Conservation Topic - Updates

Item Summary

General updates on conservation and education efforts will be provided to include but not be limited to HOA outreach efforts, and postcard outreach for those on City water using septic systems. Further, at the Council Subcommittee meeting of September 1, 2020, members made suggestions for more customer usage data, messaging, and recognition on the City's utility bills. Finance Director Mark Woodfill will present possible options to the Council Subcommittee.

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



COMMITTEE AGENDA MEMO

MEETING DATE/TYPE: **SUBCOMMITTEE MEETING** **10-6-20**

DEPARTMENT: **Council Subcommittee for Water Issues**

AGENDA ITEM: Memberships Topic: Updates

Item Summary

Updates will be provided to the Subcommittee on both the Upper Verde River Watershed Protection Coalition (Coalition) and Northern Arizona Municipal Water Users Association (NAMWUA).

Background

Coalition

The City has been a member of the Coalition since 2006. In the more recent years, the Coalition has focused on projects related to watershed protection that reduce the biomass (primarily juniper), and reduces the effects of erosion. The projects have been accomplished primarily through the use of grant monies and supported by membership dues. Recently, the Coalition, with the Town of Prescott Valley as the fiscal agent is the recipient of a Regional Partnership Conservation Program (RCPP) grant from the USDA Natural Resource Conservation Service (NRCS) in the amount of \$2.7 million. This is a five-year project with work anticipated to begin in January 2021 after finalization of the funding agreement with the NRCS. A project summary is included below. More details will be available at a later date.

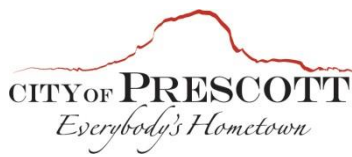
Water quantity, loss of grassland ecosystems and wildfire risk are critical resource concerns in the Upper Verde River Watershed of Arizona's central highlands. Collaborating with local, state and federal agencies, as well as local resource conservation districts and agricultural producers, the Upper Verde River Watershed Protection Coalition (UVRWPC) will manage a multi-faceted effort to optimize groundwater recharge across the watershed. Partners will integrate science-based planning and hydrologic modeling with monitoring and the application of innovative technologies to improve watershed health and support increased productivity on working agricultural lands. They will work with landowners to apply biomass utilization technologies developed and/or tested over the last five years including juniper silt dams, juniper chip wattles, juniper chip wattles infused with bio-char, bio-char as a soil amendment and rainwater harvesting for aquifer recharge systems.

NAMWUA

AGENDA ITEM: Memberships Topic: Updates

The City has been a member of NAMWUA since 2004. This group of northern Arizona municipalities cooperate as a collective voice for water policy. The goal is to work together to develop a sustainable regional water supply. More recently, the members have been following ADWR meetings related to the Governor's Water Augmentation, Innovation, and Conservation Council (GWAICC) and the Management Plans Work Group (MPWG). NAMWUA contacted ADWR regarding the reallocation of Non-Indian Agricultural (NIA) water. For May 2021, the association continues to organize a water conference to be held in Clarkdale, AZ. Each of the above NAMWUA activities will be presented as a brief update.

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



COMMITTEE AGENDA MEMO

MEETING DATE/TYPE: **SUBCOMMITTEE MEETING** **10-6-20**

DEPARTMENT: **Council Subcommittee for Water Issues**

AGENDA ITEM: Focus Topic - Comprehensive Agreement No. 1 Annual Report Presentation

Item Summary

Council Subcommittee requested a presentation of the latest Comprehensive Agreement No. 1 (CA1) Annual Report (July 1, 2019 through June 30, 2020). This is the seventh annual report of this \$5.6M project associated with the City's future physical water supplies.

Background

Information for the Subcommittee to understand the purpose of CA1 is shown in the abbreviated timeline format below. Securing long-term water supplies by the City, a municipal water provider, in an AMA that was declared out of safe-yield is a long-term project that takes understanding and commitment by past, current, and future generations.

Year	Action
1980	Arizona's Groundwater Management Act – Prescott AMA is established
1983	Prescott is allocated 7,700 AF of CAP water
1991	Arizona Legislature codifies Big Chino Sub-basin water for Prescott
1994	Prescott sells CAP allocation to City of Scottsdale
2004	Prescott purchases Big Chino Water Ranch (a portion of the JWK Ranch)
2007-2011	Second modification of Prescott's D&O, All litigation ends
2010	Agreement in Principle (Prescott, PV, and SRP) – a settlement agreement
2012	Comprehensive Agreement No.1 (Prescott, PV, and SRP) – a settlement agreement. Sets forth a collaborative monitoring and modeling effort.

Additional information on this project is located on the City's website at <http://www.prescott-az.gov/water-sewer/water-management/big-chino-water-ranch-project/>

As noted in the Item Summary, the annual report for this project will be presented.

AGENDA ITEM: Focus Topic - Comprehensive Agreement No. 1 Annual Report Presentation

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