



CITY OF SURPRISE
Regular City Council Work Session
16000 N. Civic Center Plaza
Surprise, AZ 85374
Tuesday, November 15, 2022 @ 5:00 PM
COUNCIL CHAMBERS

- A. Call To Order
- B. Roll Call
- C. Pledge of Allegiance
- D. Proclamation and Community Acknowledgements
- E. City Manager Report
- F. City Clerk Report
- G. Call To The Public

INSTRUCTIONS: In order to address the City Council, you will need to fill out a Call to the Public Form available at the front counter, and then turn it in to the City Clerk before the meeting begins. [Download the Call to the Public form](#) (PDF download requires Adobe Acrobat Reader) [Fill out the Call to the Public form online](#) If submitting form electronically, please submit to City Clerk at least one hour before the meeting start time. The Call to the Public form is also available at the front counter.

Note: A.R.S. 38-431.01(H)- During this time members of the public may address City Council only on issues within the jurisdiction of the City Council which are not an item on the agenda. At the conclusion of the open call, City Council may respond to criticism, may ask staff to review the matter or may ask that the matter be put on a future agenda. No discussion or action shall take place on any item raised.

Approval of items on the Consent Agenda – all items with an asterisk (*) are considered to be routine matters and will be enacted by one motion and one roll call vote to the City Council. There will be no separate discussion on these items unless a Councilmember requests, in which event the item will be removed from the consent agenda and considered in its normal sequence on the agenda.

Please be aware that Council Members may not discuss or respond to matters raised during call to the public that are not specifically identified on the agenda. Council Members may however, in their discretion, discuss or respond to relevant matters raised during a noticed public hearing or agenda item.

- H. Regular City Council Work Session Agenda

CONSENT AGENDA:

REGULAR AGENDA ITEM - PUBLIC HEARING:

REGULAR AGENDA ITEM - NON-PUBLIC HEARING:

- 1. Citywide Presentation and discussion regarding an update on the City's water resources. Water Resource Management
- I. Other Business and Future Agenda Items
- J. City Council Reports
- K. Executive Session

For information Purposes; 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, but for only the following purposes:

- discussion or consideration of personnel matters (A.R.S. §38-431.03 (A)(1));
- discussion or consideration of records exempt by law from public inspection (A.R.S. §38-401.03 (A)(2));

L. Adjournment

SHERRY ANN AGUILAR, CITY CLERK, MMC

POSTED: November 10, 2022 at 10:20 AM

SPECIAL NOTE: PERSONS WITH SPECIAL ACCESSIBILITY NEEDS, INCLUDING LARGE PRINT MATERIALS OR INTERPRETER, SHOULD CONTACT THE CITY CLERK'S OFFICE @ 623.222.1200 OR TTY 623.222.1002, BY NO LATER THAN 24 HOURS IN ADVANCE OF THE REGULAR SCHEDULED MEETING TIME.



CITY OF SURPRISE
Regular City Council Work Session

Council Meeting Date: November 15, 2022
Submitting Department: Water Resource
Management
Staff Recommendations:

Contact Person:
District: Citywide

Consent: No Regular: No Public Hearing: No Report/Discussion: Yes

Agenda Wording:

Presentation and discussion regarding an update on the City's water resources.

Motion:

NA

Background:

The purpose of the Work Session item is to continue a dialog regarding the City's water resources. The presentation will focus on the State's Assured Water Supply program, Department Policies, and regional water topics.

Objective Analysis:

Brief City Council and our residents on the ongoing efforts related to securing Surprise' water future.

Policy Compliant:

This item is policy compliant and is consistent with the Water Resource Management Policies along with established Municipal Code.

Financial Impact:

Not Applicable

Budget Impact:

Not Applicable

FTE Impact:

Not Applicable

ATTACHMENTS:

1. Council AAWS PresentationVersionFinal
-



S U R P R I S E

A R I Z O N A

Water Resource Update

2022

City Council Work Session



Assured Water Supply

- What is it?
 - When is it required?
 - Common misconceptions
 - Policy & legislative opportunities
- 

Assured Water Supply

- What is it?
 - Component of the 1980 Groundwater Management Act
 - Evaluates availability of 100-year water supply considers:
 - current and committed demand
 - growth projections
 - Operates within the Active Management Areas (i.e. Phoenix AMA)
 - 7 criteria

The Arizona Department of Real Estate will not issue a public report, which allows the developer to sell lots, without a demonstration of an assured water supply.



Source: Arizona Department of Water Resources.



Assured Water Supply

- When is it required?
 - Subdivisions of 6 lots or more, whether for sale or lease (A.R.S. § 32-2101)
- Common Exemptions
 - Multifamily Residential, Commercial, Industrial, Agriculture
 - Divisions resulting in lots that are 36 acres or more



Assured Water Supply

- Demonstration of criteria:
 1. Physical water availability
 2. Continuous water availability
 3. Legal availability
 4. Water quality
 5. Financial capability
 6. Consistency with Management Plan (Conservation Plan)
 7. Consistency with Management Goal (Safe Yield)



Assured Water Supply

- **Designation of assured water supply (DAWS):**

- Issued to water providers
- Reviewed by ADWR every 15 years (max.)
- Based on current, committed, and planned demands
- CAGR member service area

- **Certificate of assured water supply (CAWS):**

- Issued to subdivisions
- No renewal requirement
- Based on a fixed number of platted lots
- CAGR member land

DAWS : City of Surprise

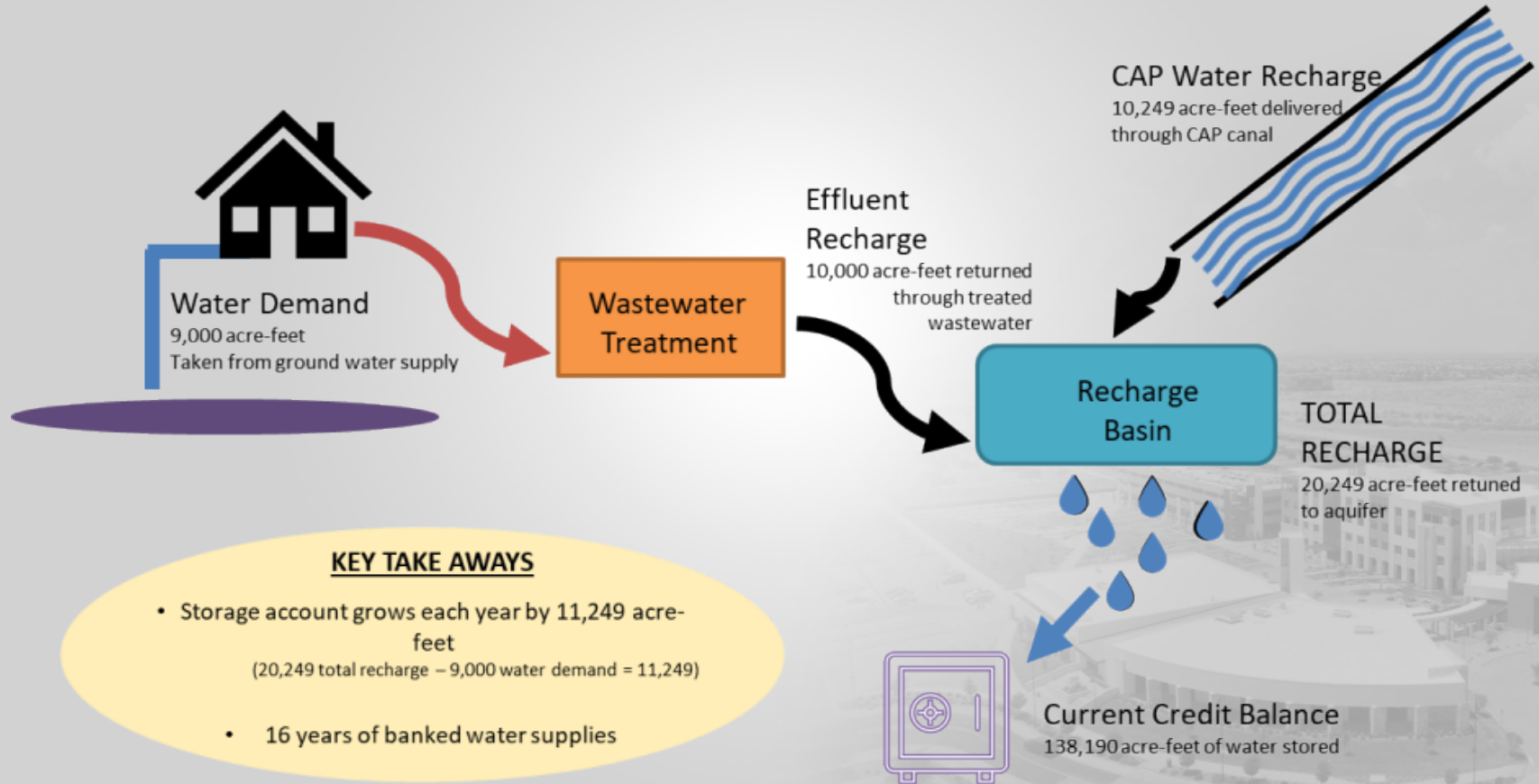
- Reflects the City's ability to demonstrate physical, legal, and continuous availability of water to serve its projected 10-year demands for 100 years.
- Allows development to continue as long as the demand on the City's water resources does not exceed 24,450 acre-feet per year

	2019	2020	2021	2022 (est.)
Total Demand (AF)	7,325	8,518	8,792	9,143

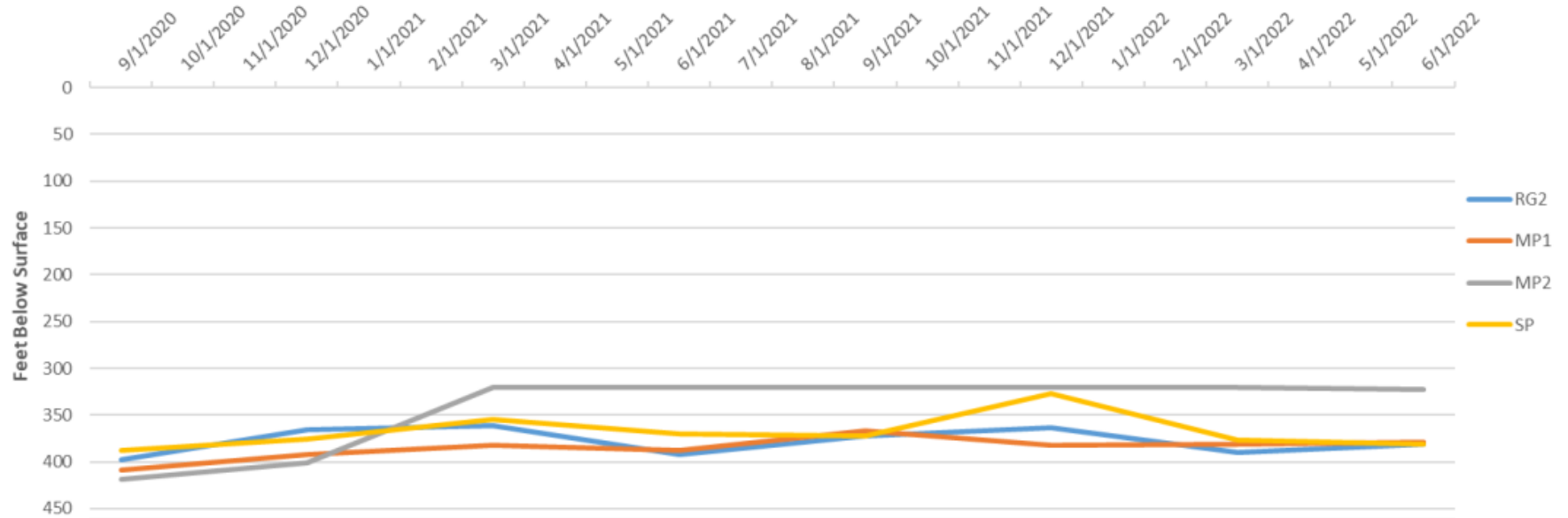
City of Surprise Water Sources Per 2022 Draft Decision and Order	
Source	AFY
CAP Water	10249
Reclaimed Water *	14201
Total	24,450
Note: the City of Surprise also has a current balance of 24,584 AF of groundwater credits and 95,257 AF of long-term storage credits that were not pledged to the 2022 Designation	

**Full effluent supply estimate in 2032: 25,273 AF*

ANNUAL WATER DEMAND & RECHARGE IN SURPRISE



Well Static Level



	9/30/2020	12/8/2020	3/17/2021	6/10/2021	9/27/2021	12/14/2021	3/16/2022	6/1/2022
RG2	398	366	361	392	372.5	363	390	381
MP1	408.6	392.6	382.6	387.6	366.6	382.6	380.6	378.5
MP2	419	401	321	321	321	321	321	323
SP	387.6	375.6	354.6	370.6	372.6	326.6	376.6	381

CAWS: Single Family Residential Final Plat

- Issued to developer
- 168 lots
- 61.12 afy estimated demand
- Source: groundwater
- Provider: Arizona American Water Co – Agua Fria
- CAGRDR tax assessed

STATE OF ARIZONA
DEPARTMENT OF WATER RESOURCES
CERTIFICATE OF ASSURED WATER SUPPLY

This is to certify that
[REDACTED] LLC, a Delaware limited liability company, owner
has met the requirements of A.R.S. §§45-576 and the applicable regulations, and
By powers vested in the Director of the Arizona Department of Water Resources by the
State of Arizona, and subject to the conditions contained in the applicable regulations,
Is issued this Certificate of Assured Water Supply for
Township 3 North, Range 2 West, Section 24
CSRB&M, Maricopa County, PHOENIX Active Management Area

Sufficient water of adequate quality will be continuously available to satisfy the water demand of
the referenced subdivision for at least one hundred years. The referenced subdivision consists of
168 lots as described in the preliminary plat on file with the Department, and has an estimated
water demand of 61.12 acre-feet per year. The subdivision will be served groundwater by
Arizona American Water Co - Agua Fria.

This Certificate is invalid as to any entity not named above.
This Certificate may be assigned pursuant to A.A.C. R12-15-705.

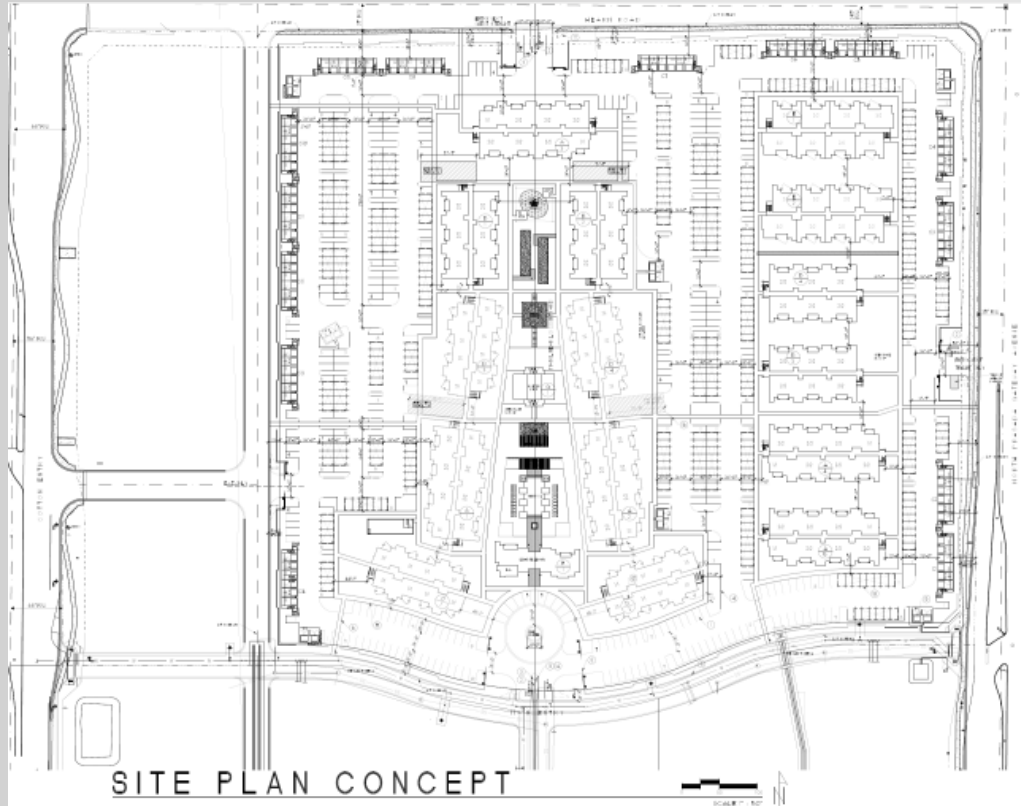
Certificate Number: 27-700217.0000

ARIZONA DEPARTMENT OF WATER RESOURCES

Sandra Lakshmi-Wickham 24 Aug 2007
Assistant Director Date

TYPE A CERTIFICATE

Exemption: MFR Site Plan



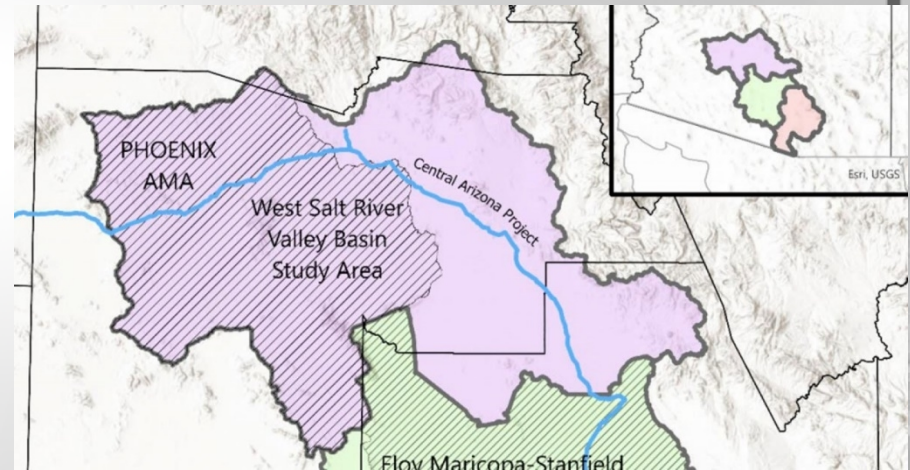
- Apartment Complex
- 364 Units
- No CAWS required
- 18.9 Acres
- Demand: 105,560 GPD (118 AFY)

Assured Water Supply Misconceptions

- An Assured Water Supply is not...
 - A magic wand for entitlements (DAWS)
 - A projection of demands to meet 100 years worth of growth*
 - A full depiction of groundwater available in the aquifer
 - A statement that all groundwater withdrawals are replenished

Regional Water Policy Opportunities

- Unreplenished groundwater withdrawals
- Hydrologic disconnect
- Regional aquifer management possibilities
- SB 1171 (food & beverage water)
- Statewide rebate program & conservation initiatives
- 100-year assured water supply modification



Regional Water Policy Opportunities

VETTING FORUM 4 WATER

Facilitated by Agribusiness & Water Council of Arizona
and Arizona Municipal Water Users Association

.....

Next Date:
December 12th
1:30 PM — 3:00 PM

Zoom Link and info to be updated Mid-November

.....

The Vetting Forum 4 Water is an open platform to evaluate water-related legislation among decision makers and water stakeholders prior to the legislative session.

*If you would like to have a specific legislative proposal vetted,
please contact Warren Tenney or Chris Udall*



City of Surprise Policy Opportunities

- Water acquisition policy
 - ID appropriate situations for developers to “bring their own water”
- Water conservation policy
 - water conservation plan for large turf facilities
- Water conservation ordinance
 - non-functional turf, time-of-day watering, overseeding
- Land Development Ordinances
 - indoor and outdoor water efficiency standards
- Planning & Engineering Design Standards
 - align on approved plants list, promote Low Impact Development (LID), address planting density



SURPRISE
ARIZONA

**QUESTIONS OR
COMMENTS?**

Thank You