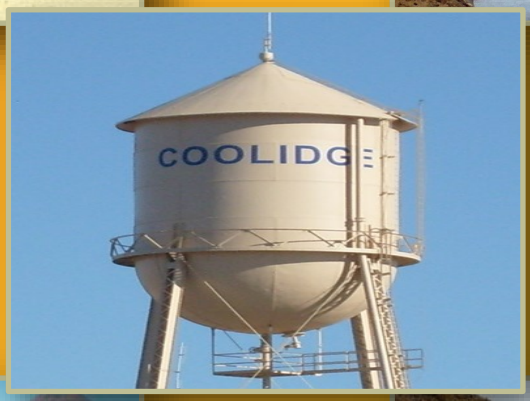
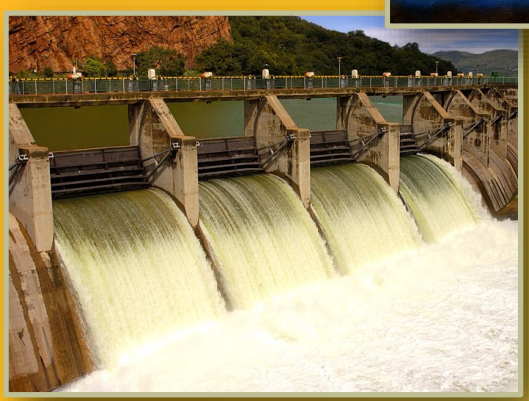
CHAPTER 7: WATER RESOURCES



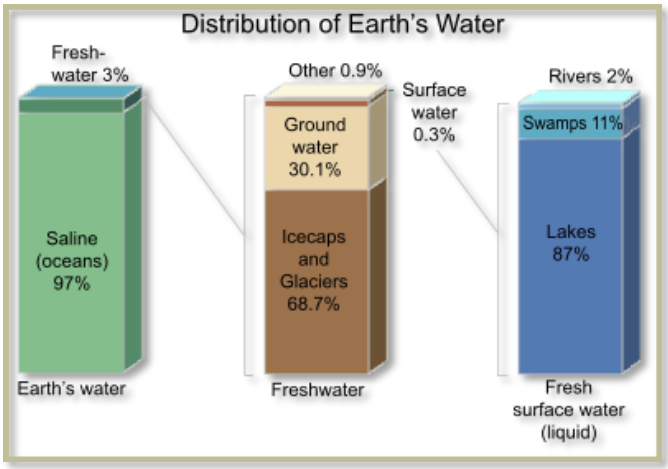


Water Resources Element

INTRODUCTION

Since the 2025 General Plan was published, there have been many changes in the region and in the City of Coolidge. Global Water Resources ("Global Water") and Arizona Water Company ("AWC") are two public service corporations that are regulated by the Arizona Corporation Commission ("ACC") and serve the Coolidge Planning Area ("Planning Area"). Global Water Resources serves its customers south of Selma Highway. AWC owns, operates, and maintains the Pinal Valley water system which serves the City of Coolidge and a majority of the surrounding Coolidge Planning Area north of Selma Highway. In 2013, AWC prepared the Water Resources Element ("Element") for the 2025 General Plan ("2025 Plan"). In 2023, AWC was again asked to provide an update for the Water Resources Element to the 2035 General Plan. Input from Global Water has been included in this document.

The Water Resources Element begins with a look back at the changes to the Coolidge Planning Area including community growth, water supplies, water demands, and conservation efforts. The look back allows AWC to present a summary of comparisons and changes that have occurred during the 2025 Plan. Some of the discussion is related to the short- and long-term planning AWC presented in the 2025 Plan.



There is also the discussion of topics that are important achievements, which are added goals to this portion of the General Plan framework.

While the Element looks forward through the planning period of 2025 to 2035, it includes community growth and projections related to water production and demands. As drought and Colorado River shortage in Arizona is an evergreen topic and AWC is committed to a multi-pronged approach to water supplies, delivery infrastructure, and demand management in the Planning Area and General Plan of 2035.

BACKGROUND

The topics in this section provide a general overview of the water service providers in the area. The current sources of supply are discussed along with infrastructure to support the delivery of the sources. It will outline the change in service connection growth and distribution infrastructure improvements since the 2025 Plan. Lastly, this section will include a discussion of water production and customer demands along with highlights of community projects that the City of Coolidge and AWC have achieved since the 2025 Plan was published.

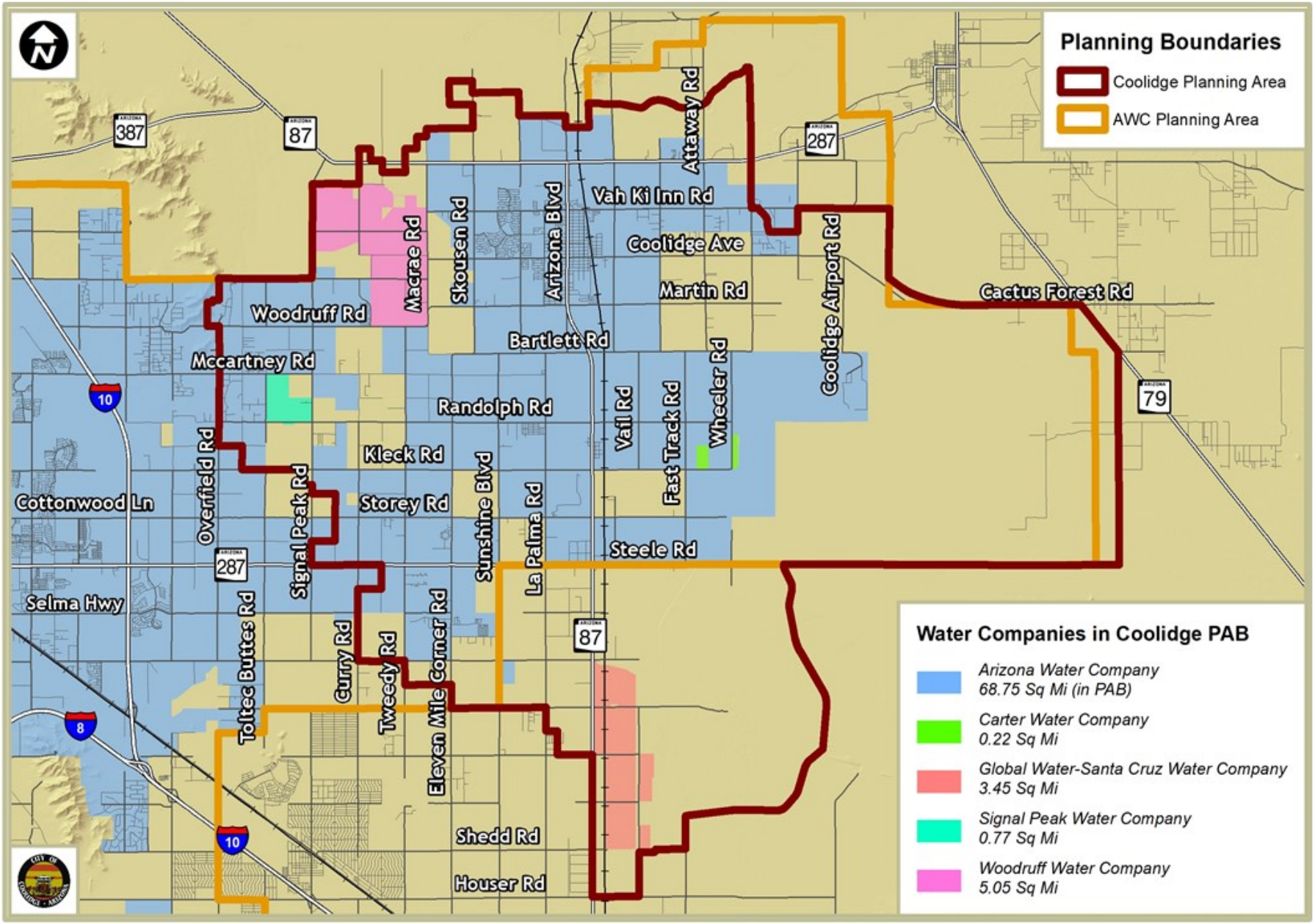


Figure 7.1: Certificate of Convenience and Necessity Areas

Water Resources Element

WATER SERVICE PROVIDERS

Figure 7.1 shows the General Plan Area, while indicating the City of Coolidge municipal boundary and the Planning Area boundaries for the City and Arizona Water Company ("PAB"), whereby the AWC service area boundary, also known as a Certificate of Convenience and Necessity ("CCN"), shows the other private water companies service area boundaries inside the City's Planning Area boundary, including Global Water. These maps provide some perspective to the size of the Planning Area along with the variety of water providers.

There are five (5) private water companies in the City's Planning Area:

1) Arizona Water Company – Pinal Valley – 68 Square Miles (Inside PAB)
2) AVM-2005, LLC (Formerly Signal Peak Water Company) – 0.71 Square Miles
3) Cactus State Utility Operating Company, LLC (Formerly Carter Water Company) – 0.21 Square Miles
4) Global Water – Santa Cruz Water Company, Inc. (Picacho Cove)– 4.04 Square Miles (Inside PAB)
5) Woodruff Water Company – 4.62 Square Miles

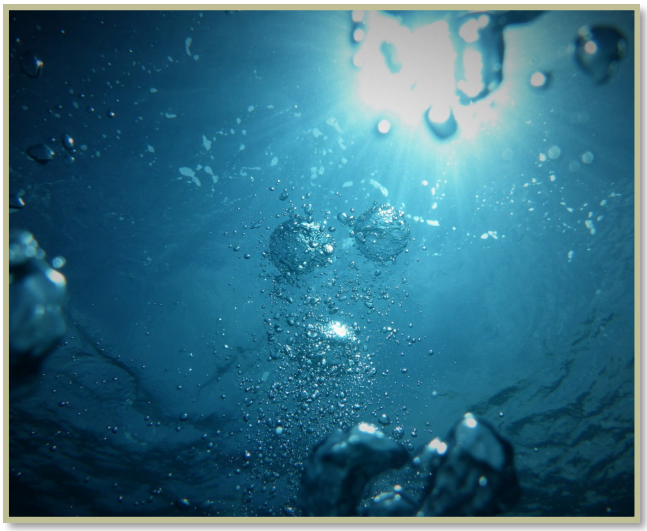
Arizona Water Company's Pinal Valley water system delivers water to the City of Coolidge and surrounding areas. AWC's service area includes 68 square miles inside the Coolidge Planning Area.

AVM-2005 (formerly Signal Peak Water Company) Water Company is a customer of AWC. AWC sells AVM-2005 treated water from the Pinal Valley water system and AVM-2005 in turn, delivers the water through its distribution system to its customers. AVM-2005 is charged an ACC approved rate called "sales for resale". In 2022, AVM-2005 received 8.67 acre-feet of water from AWC. One acre-foot of water is equal to 325,851 gallons. The system has 37 connections.

Cactus State Utility Operating Company, LLC (formerly Carter Water Company) has one registered well and eleven connections in its service area..

Global Water – Santa Cruz Water Company – Picacho Cove is a new service area created by Global Water. It provides water service to the Coolidge industrial and jobs corridor commonly referred to as the Inland Port of Arizona or IPAZ located along State Route 87 in Southern Coolidge. It has been providing water to Nikola for about one year and will provide wastewater service by its sister company Global Water – Palo Verde Utility Company, Inc. once wastewater flows from Nikola or others in IPAZ are sufficient.

Woodruff Water Company has two registered wells in the service area. The utility has not reported any water use to either ADWR or the ACC since 2016.



Arizona Water Company is the largest water utility in the Coolidge Planning Area. AWC is committed to continuing to provide reliable water service to the people of Coolidge and the surrounding areas. AWC staff are part of the community and are proud to partner with the City on projects that are important to residents. The City and AWC jointly funded the Coolidge Water Tower lighting project which provides the water tower with lighting that can be programmed to display a variety of lighting colors and designs.

WATER SOURCES OF SUPPLY

For the purposes of the Element, the focus will be on water resources available in the Planning Area for use by the City of Coolidge and/or AWC. There are several water types in the City's Planning Area. The area has plentiful groundwater supplies, effluent, Colorado River water, and surface water is also available..

AWC customers receive supplies of groundwater and recovered Central Arizona Project ("CAP") Municipal and Industrial ("M&I") subcontract water. AWC has an entitlement of 10,884 acre-feet of CAP M&I water for delivery to AWC's Pinal Valley water system. 2,000 acre-feet of the total entitlement is earmarked for use in the Coolidge Planning Area and is delivered to either an irrigation district or to AWC's underground storage facility ("USF"), described in more detail below, that is located near the CAP canal and the Coolidge Airport. CAP M&I water that is delivered to AWC's USF or to an irrigation district is recovered in the same year.

Water Resources Element

Global Water has a philosophy called Total Water Management which among other things, emphasizes the use of recycled water (water reclamation facility effluent) for direct beneficial reuse (outdoor irrigation), aquifer recharge, and potential direct potable reuse. In other areas which Global Water provides service, recycled water is an important component of its water resource portfolio. The same is expected in IPAZ where Global Water will provide both groundwater and recycled water.

The other water providers in the Planning Area are reliant upon groundwater to serve their customers.

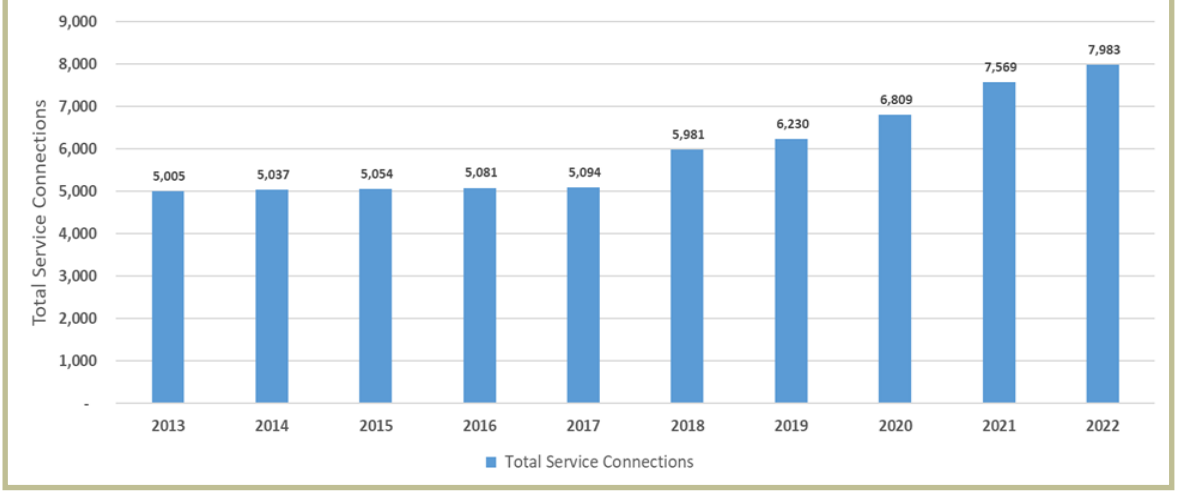
Another water source for the City is effluent. Effluent is wastewater that has been treated to meet the quality standards for its intended use. Common uses of effluent are irrigation of turf, landscape and certain types of crops, and recharge of the aquifer. The City's wastewater treatment plant is permitted to produce 2 million gallons per day (MGD) or 2,240 acre-feet per year of treated effluent. In 2022, the City received a permit to provide the treated effluent to agricultural partners in-lieu of the partners pumping groundwater. Providing up to 2,240 acre-feet of in-lieu water is a win, win, win for the City, agricultural partners, and the regional groundwater aquifer. The City has an opportunity to beneficially use effluent that would otherwise be discharged to a wash while the agricultural partners have the ability to use the effluent in-lieu of pumping groundwater which keeps more groundwater in the aquifer. Additionally, the City also accrues long term storage credits ("LTSC") for storing effluent in its GSF rather than discharging into the wash.

While there are three agricultural irrigation districts in the Planning Area, only one, the San Carlos Irrigation and Drainage District ("SCIDD") has a non-CAP surface water supply. SCIDD has the ability to take delivery of 100,000 acre-feet of Gila River Water when the water is available. Hohokam Irrigation and Drainage District ("HIDD") and the Central Arizona Irrigation and Drainage District ("CAIDD") receive a portion of Arizona Water Company's M&I Subcontract through their groundwater savings facility ("GSF") and water storage permits ("WSP"). As mentioned previously, the water stored at a GSF is pumped in the same year as CAP M&I water.

SERVICE CONNECTIONS

At the end of 2022, AWC's Pinal Valley water system provided water service to 36,760 service connections of which nearly 8,000 are in the City's Planning Area. Figure 7.2 below, shows in the past ten (10) years, AWC has added 2,978 new service connections within the City's Planning Area. Growth during this time has resulted in a 59% increase in the number of connections in the Planning Area. There has been an 8% increase in commercial/industrial connections and 7% in private fire service and other types of non-residential service connections. The residential category continues to be the largest category in the Planning Area with over 6,000 residential connections in 2022. Residential connection growth has increased by 44% over the past 10 years. The residential category includes both single family residential and multi-family residential properties.

Figure 7.2: AWC Planning Area Service Connections, 2013-2022



WATER SYSTEM INFRASTRUCTURE

Within the City's Planning Area, AWC currently provides water from twelve (12) groundwater wells located in the Coolidge Planning Area. In 2023, the Cross Creek Well No. 42 on N. 13th Street was completed and is capable of providing over 1 MGD in production for the community. New large diameter transmission and distribution mains were installed on Vah Ki Inn Road to support the additional production and growth.

Well No. 27, Lake in the Desert, is situated in the overlapping Casa Grande Planning Area and delivers water through a 16-inch water main located on the west side of the Coolidge Planning Area. AWC's Tierra Grande community water system, located in unincorporated Pinal County and partially within the Coolidge Planning Area has two groundwater wells and is interconnected at the northeast corner of Storey Road and Eleven Mile Corner Road with AWC's larger Pinal Valley water system. The Coolidge Airpark continues to operate as a stand-alone system with two wells serving the needs of the Airpark.

AWC's 10.42 MGD of production capacity located within the City's Planning Area includes three arsenic removal facilities with a 2.9 MGD treatment capacity and one nitrate removal facility with a 1.4 MGD treatment capacity. This capacity includes the expansion of AWC's Well No.13 arsenic removal facility located on Vah Ki Inn Road with new storage, booster pumps and hydro-pneumatic tank. The Coolidge Airport system utilizes Point of Use devices for arsenic removal. The balance of AWC's source capacity requires only chlorination to bring the supply to meet drinking water standards.

Water Resources Element

Within the City's Planning Area, AWC has eleven (11) water storage tanks with a combined capacity of 4.1 million gallons. Included in the expanded storage capacity is a 200,000-gallon water tank in the Coolidge Airport system. The tank was completed in 2023. The largest tank in the Planning Area is a 1.1million gallon tank located at Well site No. 7 located at W. Northern Avenue and N. 1st Street.

In 2019, AWC completed the first phase of its underground storage facility ("USF") called Pinal Valley Recharge and Recovery Project (PVRRP). The project is used to store and recover CAP water on an annual basis rather than pumping groundwater. PVRRP became operational in 2020 with one infiltration basin. In 2022, approximately 700 acre-feet was stored at PVRRP and AWC recovered the stored CAP water by pumping from recovery wells in the same year. This process is called Annual Storage and Recovery, or ASR.

Global Water has been developing a new utility for the IPAZ area in Southern Coolidge, an area for new industrial and commercial businesses. Since it is a new area, or greenfield, extensive permitting and planning has been undertaken. Regional master-planning and a site plan for the new utilities' primary water and wastewater campus remains ongoing. Additionally, Global Water has developed one temporary well and one permanent well, along with related water treatment and the first IPAZ Water Distribution Center which serves Nikola.

WATER PRODUCTION & DEMAND

In the 2025 Element, AWC reported seven groundwater wells in the Planning Area and a source capacity of 7.73 million gallons per day ("MGD"). As noted above, the number of wells included in the Planning Area has increased since the 2025 plan was published. Table 1 below outlines the wells in the Coolidge Planning Area and the well capacity in terms of gallons per minute ("GPM") and MGD. All wells below are inside the Planning Area and bolded wells are inside the City's Municipal Boundary. The maximum production in the Planning Area based on the current number of wells is 10.42 MGD.

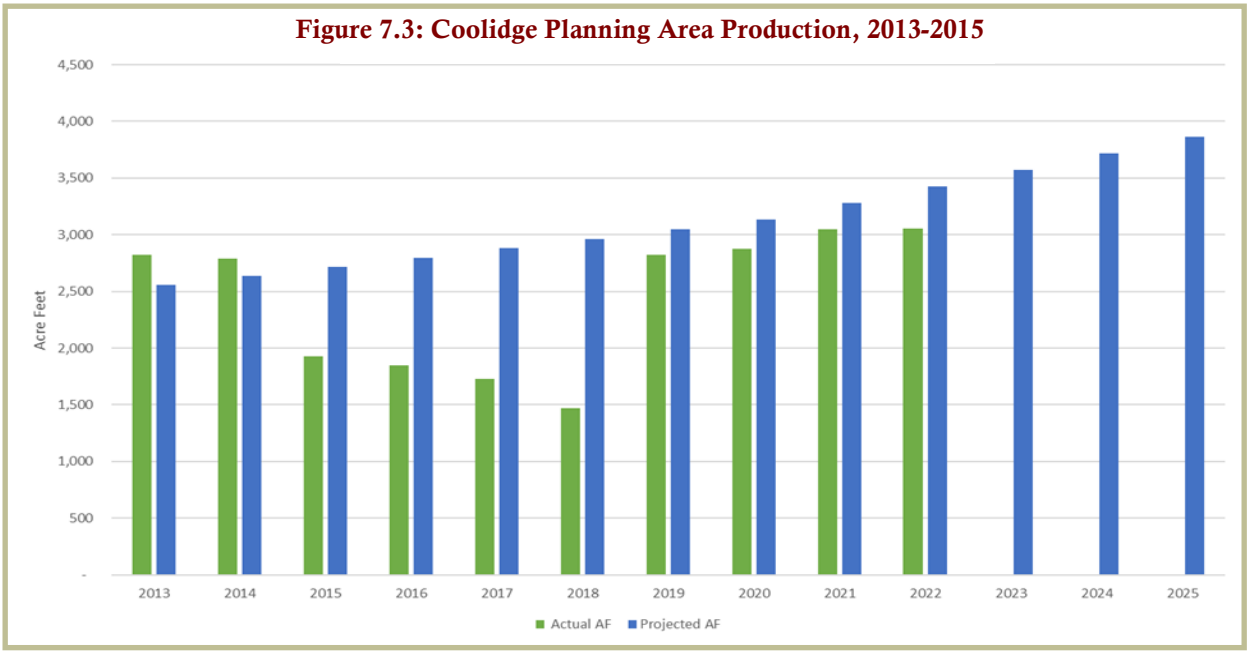
AWC #	Well #	Source Max Capacity (GPM)	Source Max Capacity (MGD)
Coolidge #13	55-212419	1600	2.30
Lake in the Desert #27	55-568553	175	0.25
Coolidge #7	55-616606	637	0.92
Coolidge #9	55-616608	1004	1.45
Coolidge #10	55-616609	958	1.38
Valley Farms #1	55-616686	110	0.16
Valley Farms #2	55-616687	280	0.40
Cross Creek #42	55-236116	1300	1.87
Tierra Grande #1	55-616682	420	0.60
Tierra Grande #3	55-801030	135	0.19
CL Airport #1	55-620899	290	0.42
CL Airport #2	55-620900	330	0.48
	Total	7,239 GPM	10.42 MGD

Table 7A: Planning Area Wells & Capacities

In the 2025 Element, AWC showed the growth in production from 1,687 acre-feet in 2002 to 2,455 acre-feet in 2012. The growth in the community resulted in a 46% increase in production over the ten-year period which equals about a 4.5% increase year over year. From 2013 to 2022 there was a projected increase in production from 2,455 acre-feet to 3,682 acre-feet.

The reality of the production growth from 2013 to 2022 indicates that there has been growth in production, but not as high as projected. Figure 7.3 in 2013, showed the production volume was 2,823 acre-feet and in 2022, it was 3,055 acre-feet. Production volume from wells located in the Planning Area increased by a total of 8.2% over the ten years from 2013 to 2022 which is about equal to a 1% increase year over year.

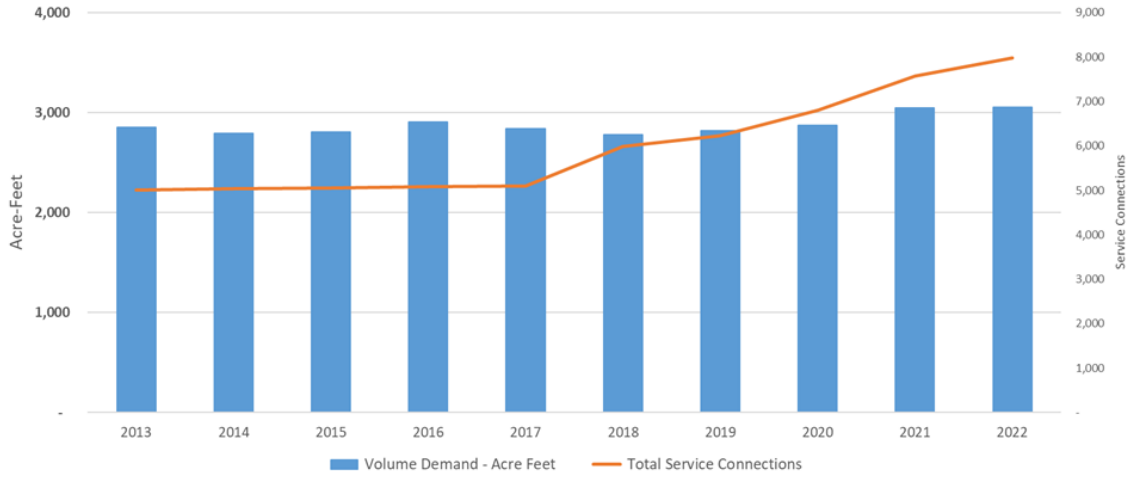
Figure 7.3: Coolidge Planning Area Production, 2013-2015



When looking at Figures 7.3 and 7.4 in sequence, the Planning Area well production and customer demand highlight the Pinal Valley water system's improved reliability due to interconnections across the system. Figure 7.4 shows the service connection growth and the customer water demand from 2013 to 2022.

Water Resources Element

Figure 7.4: Coolidge Planning Area Connections & Demands, 2013-2022



Even though the connections have grown in the past ten years, the volume of customer demand has not risen in the same way. While there are many variables that affect customer demand including uncontrollable weather events, one of the most important positive impacts on stable water demands is a robust demand management program and the innovative public/private partnership between the City of Coolidge and AWC.

CONSERVATION EFFORTS

State water conservation requirements and Best Management Practices ("BMP") were highlighted in the 2025 Water Resource Element. The requirements and BMPs have continued to evolve and as the community has grown, so too has AWC's innovative philosophy to water resource management. AWC has implemented an Integrated Demand Management Program ("IDMP") in the Pinal Valley water system service area which includes the Coolidge Planning Area since the 2025 Plan was published. AWC calls its water conservation program the Integrated Demand Management Program because an Integrated Demand Management Program encourages reductions in water waste and improvement in water efficiency by the water provider and its customers. The concepts of the integrated demand management philosophy are outlined below.

First, water conservation is most effectively undertaken in collaboration with the municipalities governing the communities in which the utility serves. Second, water conservation focuses on actions taken by customers. The IDMP includes elements that require it as the water provider to also use water efficiently. Third, demand management considers the water saved through conservation to enhance the water supply available to the water provider and by extension, the community.

Finally, integrated demand management envisions water as an integral part of building a quality of life in the community.

In 2021, AWC partnered with the City of Coolidge and the Coolidge Chamber of Commerce to develop and launch the Coolidge Every Drop Counts for a Stronger Tomorrow IDMP which includes a public engagement program. Since the launch of the public/private partnership on October 2nd, 2021, Every Drop Counts for a Stronger Tomorrow has resulted in 10 different videos including one documenting the Coolidge water journey. The most viewed videos are related directly to the City's new GSF with several thousand views each. In addition to educational videos, the public engagement program also employs other social media to highlight water saving tips and conservation activities to people living in the community.

Another highlight of the public/private partnership is the coordination of conservation efforts like the City's proactive approach to water conservation with its ordinances including the required use of drought tolerant landscaping and low flow fixtures in all new construction.

Finally, through the 'Coolidge Every Drop Counts for a Stronger Tomorrow' IDMP, the City of Coolidge in partnership with AWC has been able to work with Arizona Project WET to host annual 4th Grade Water Festivals for the youth of Coolidge. This program has allowed 4th Grade Students in Coolidge to learn about water conservation technologies, groundwater systems, watershed management, and the water cycle through hands-on activities. These festivals will continue educating Coolidge's 4th graders about water resources and water conservation for the good of future generations.

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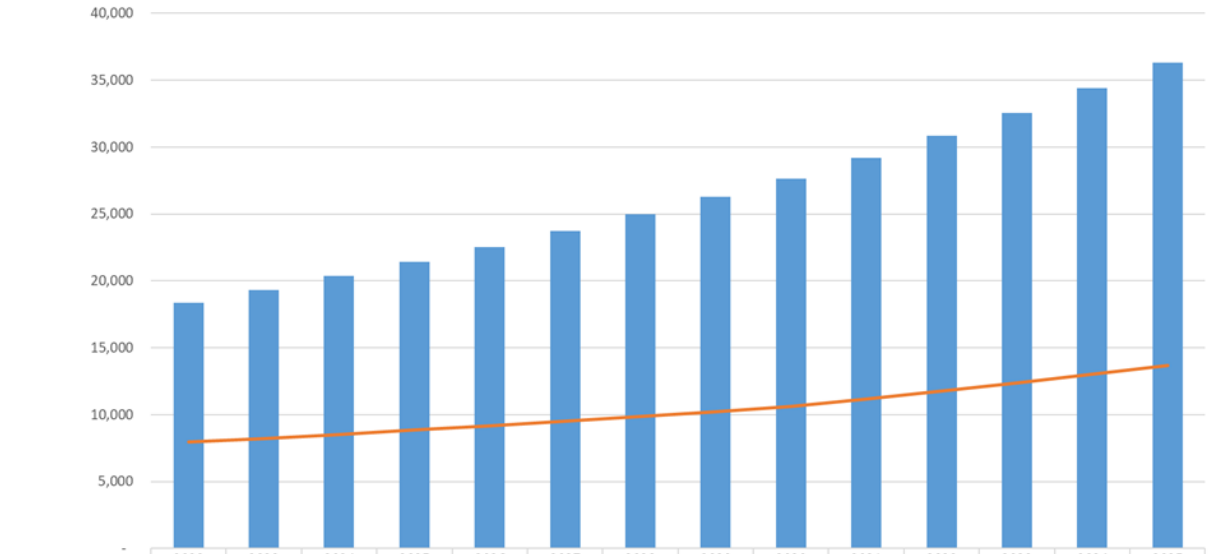
THE LOOK FORWARD TO 2035 COMMUNITY GROWTH

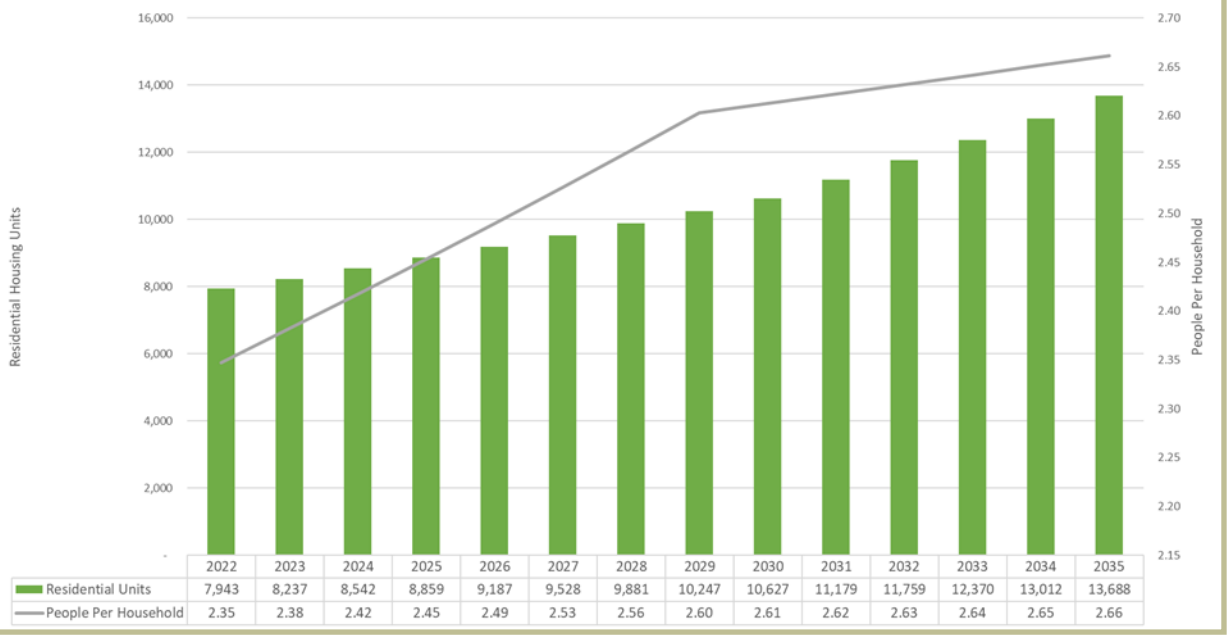
The next ten years is projected to be a period of growth within the Coolidge Planning Area. Central Arizona Association of Governments ("CAG") projects growth more than 5% each year for the next ten years. Figures 7.5 and 7.6 below show the projected growth in population, residential housing units and persons per household based on the data provided by CAG.

Figure 7.5: Population & Residential Units Project Growth



	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
Population	18,369	19,333	20,347	21,416	22,540	23,723	24,968	26,279	27,658	29,203	30,835	32,557	34,376	36,297
Residential Units	7,943	8,237	8,542	8,859	9,187	9,528	9,881	10,247	10,627	11,179	11,759	12,370	13,012	13,688

Figure 7.6: Residential Housing Units Project Growth



	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
Residential Units	7,943	8,237	8,542	8,859	9,187	9,528	9,881	10,247	10,627	11,179	11,759	12,370	13,012	13,688
People Per Household	2.35	2.38	2.42	2.45	2.49	2.53	2.56	2.60	2.61	2.62	2.63	2.64	2.65	2.66

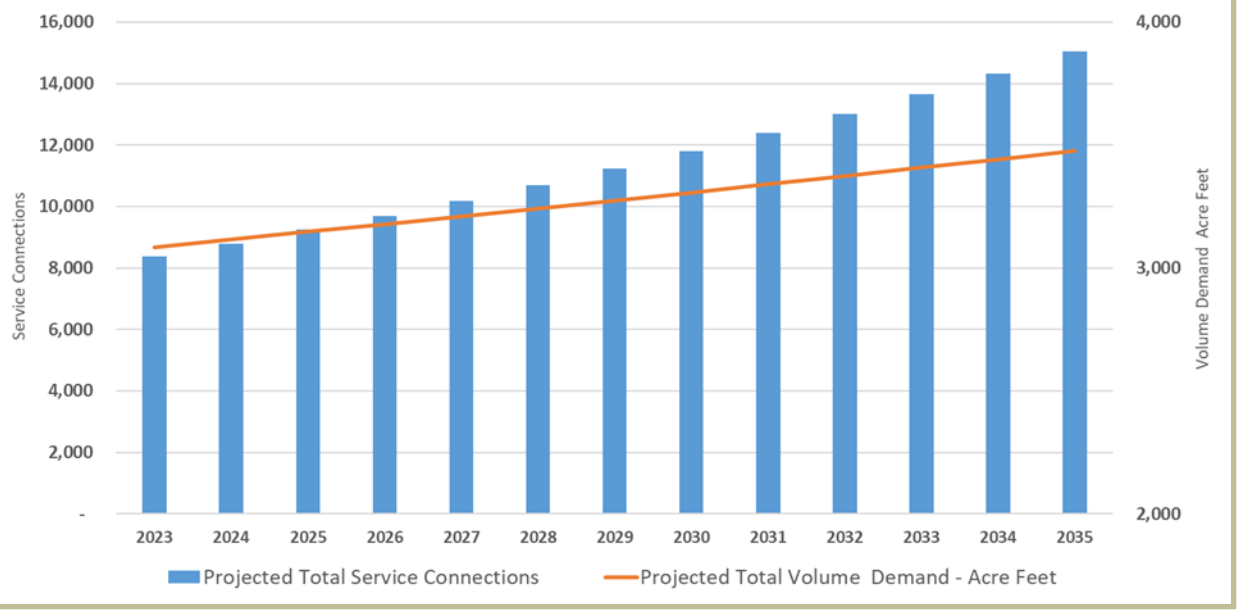
Persons per household is projected to increase as well from approximately 2.35 people per household to 2.66 people per household in 2035. While the planned growth in residential units is held at around 5% each year, but there is the possibility that growth may exceed that percentage. Water resources are often a driving factor behind growth in central Arizona. CAG data projects that the Planning Area will continue to grow during the planning period.

PROJECTED WATER CONNECTIONS & DEMAND

The development and growth in the Planning Area have been held at 5% in the previous section based on historic growth and projections provided by CAG. The production volumes as were witnessed in the ten-year look back section didn't grow at the same rate as the overall connections in the Planning Area. The increase in production demand was about 1% during each year.

Using the projections provided by CAG for service connection growth at 5% and AWC's historic production information regarding production growth at 1% each year the chart below shows the total projected service connections and projected demand increase from 2023 to 2035.

Figure 7.8: Planned Area Projected Connections & Demands, 2023-2035



In the IPAZ area served by Global Water, significant growth is expected over the next 10 years. Based on the nature of large-scale industrial and commercial economic development, it is too early to predict projected demands. However, as an example, the following projects are currently either confirmed or are on the active Project Information Form ("PIF") list. Nikola is the first customer to locate in the IPAZ and Proctor and Gamble is expected to be the second. Together, these customers along with those active PIF's, potentially locating in IPAZ, have a projected water demand (projects are phased over numerous years) of approximately 1.5 MGD. From this, the same projects have an expected wastewater demand of approximately 1 MGD; thus, 67% of the water use will be available for reuse and recharge amongst the many other project locations in IPAZ.

Water Resources Element

Global Water's license agreement with Coolidge is for an area larger than IPAZ, and Global Water has begun initial conversations with several new commercial projects. Again, while hard to predict water demand at this early stage, Global Water will implement its standard Total Water Management approach along with customer appropriate conservation measures to ensure all water to be utilized in this southern portion of Coolidge is accomplished in the most efficient manner possible. Global Water will provide more frequent updates to the information within this portion of the water resources element in its Annual Report to the City as currently completed in May of each calendar year in accordance with the license agreement.

DROUGHT & WATER SHORTAGE CONDITIONS

The State of Arizona has a mix of water sources including Colorado River water, groundwater, and surface water from in-state rivers and lakes. Each of these supplies is vulnerable to drought conditions, however groundwater supplies are less impacted on a year-to-year basis. Drought is a prolonged period of below-average precipitation severe enough to negatively impact the environment and human activities. Arizona has been in some stage of drought since 1994, according to statewide precipitation patterns. Drought conditions in the Colorado River Basin have resulted in shortage conditions on the Colorado River and the federal water delivery contracts associated with it.

Arizona obtains over forty percent of its water supply from the Colorado River for municipal and industrial, federal tribal, agricultural, and environmental purposes. Arizona has the right to the consumptive use of up to 2.8 million acre-feet of Colorado River water annually, making the Colorado River Arizona's largest renewable water supply. This supply is further apportioned, approximately one-half to mainstem Colorado River water users, and one-half to Central Arizona Project ("CAP") water users. CAP delivers water to nearly 6 million people, more than 80% of the state's population, in Maricopa, Pinal, and Pima counties. Arizona Water Company holds a CAP M&I Subcontract of 2,000 acre-feet per year for use in the Coolidge Planning Area.

The Secretary of the Interior is responsible for the operations of the Colorado River and its infrastructure. The Secretary has the authority to issue shortage declarations that can impact the delivery of the CAP M&I water entitlements to contract holders. Through the 2025 planning period, there have been two shortage declarations that resulted in reductions to agricultural water users in the Coolidge Planning Area. The irrigation districts in the Planning Area may turn back to groundwater pumping, short term leasing CAP water from federal contractors such as the Gila River Indian Community or the Tohono O'odham Nation. Irrigation districts will likely continue acting as GSFs for M&I subcontractors such as Arizona Water Company. To date, the shortage declarations do not affect the 10,884 AF M&I subcontract allocations that Arizona Water Company has. New Colorado River operating procedures are being renegotiated and planned for implementation in 2027.

While the situation on the Colorado River is important and relevant to the Coolidge Planning Area, the M&I subcontract allocation of CAP water is not the only source of water in the system. The groundwater supply in the Coolidge Planning Area is a reliable source for current and future growth in the area. The next sections of the Element discuss future Best Management Practices and new planned water supplies and infrastructure.

INTEGRATED DEMAND MANAGEMENT PROGRAM

The Pinal Valley water system and the Coolidge Planning Area are regulated under the ADWR 5th Management Plan for the Pinal Active Management Area ("AMA"). The Pinal Valley water system is regulated under the Non-Per Capita Conservation Program ("NPCCP"). The number of connections in the water service area determines how many Best Management Practices and Points are required for compliance with the NPCCP. The Pinal Valley water system falls under Tier 4 of the NPCCP. This means that AWC is required to earn at least 20 BMP points in 5 or more BMP categories. Since the Coolidge Planning Area is located inside the Pinal Valley water system it is also regulated under Tier 4. There are a variety of categories and sub-items that AWC and the City participate in.

AWC and the City are committed to continuing the partnership of efficient water use and public support of conservation programs moving forward. As noted in the drought and shortage section above, conservation and planning for the future is important for all Arizonans. There are so many opportunities to engage with citizens and businesses in the Planning Area about how AWC and the City are working together to provide the water resources necessary to continue to develop the Planning Area while promoting a culture of conservation.

Table 7B shows the categories that AWC and the City participate in and the points that are earned. The table isn't exhaustive of what AWC and the City can do to promote conservation in the Coolidge Planning Area, and there are opportunities to expand the areas to include other categories in the future. AWC's goal is to always remain in compliance plus offer outreach and programs that are relevant for citizens in the Planning Area.

Water Resources Element

Category	Description	Points
Education & Public Awareness 1.1	Local or Regional Conservation Campaign – Every Drop Counts for a Stronger Tomorrow	1
Education & Public Awareness 1.2	Special Events, Programs & Community Presentations	1
Education & Public Awareness 1.3	Residential Adult Education and/or Training Program	1
Education & Public Awareness 1.7	Industry and/or Regional Partnerships	1
Targeted Outreach & Consultation 2.1	New Homeowner Outreach	1
Targeted Outreach & Consultation 2.2	Residential Audit & Landscape Consults	1
Targeted Outreach & Consultation 2.3	Non-Residential Audit & Landscape Consults	1
Targeted Outreach & Consultation 2.6	Customer High Water Use Inquiry Resolution	1
Targeted Outreach & Consultation 2.7	Customer High Water Use Notification	1
Physical System Evaluation & Improvement 3.1	Distribution System Leak Detection & Mitigation	2
Physical System Evaluation & Improvement 3.2	Meter Repair or Replacement Program	1
Sustainable Water Governance 4.1	Low Water Use Landscape Requirements	1
Sustainable Water Governance 4.3	Plumbing Requirements	1
Sustainable Water Governance 4.8	Landscape Watering Restrictions	1
Sustainable Water Governance 4.12	Conservation Rate Structure	1
Planning 7.1	Land Use Planning and Water Utility Committee	1
Planning 7.3	Integrated Long-Range Planning	1
Research, Analysis, Innovation 8.1	Market Surveys and/or Focus Groups	1
Research, Analysis, Innovation 8.5	Quantitative Evaluation of Actual Water Savings of an Existing BMP	2
	Total Points Earned	21

Table 7B: 5th Management Plan BMP—AWC & Coolidge Implementation

PLANNED WATER SUPPLIES & INFRASTRUCTURE

As mentioned throughout this Element, the Coolidge Planning Area continues to grow and the area's water demands will grow, too. AWC has been working with regional partners, including the City of Coolidge, on new water supply options to augment the current supplies. Additionally, AWC continues to implement new and replacement infrastructure projects to address the needs of the community.

AWC is a Steering Committee member of the Salt River Project Bartlett Dam Modification Feasibility Study. This project, if approved by the U.S. Bureau of Reclamation and Congress, may provide a new surface water resource to the Pinal Valley water system. The project intends to raise Bartlett Dam and provide a source of supply that may be wheeled to beneficiaries through the CAP canal. If approved and constructed, the new dam will likely come online toward the end of the 2035 General Planning Period.

The City has received its GSF permit that allows it to recharge effluent and develop LTSC. This process can continue and expand based on the growth in the community and wastewater treatment facility expansion. The benefit of storing effluent is that the aquifer is recharged while providing a source of supply to farms that grow crops that are not consumed by humans or animals.

AWC intends to move forward with its expansion of the PVRRP with the goal of storing thousands of acre-feet of CAP M&I subcontract water. The Pinal Valley water system will then recover that stored water and deliver it to citizens and customers in the Coolidge Planning Area. Part of the PVRRP is adding new wells to the Planning Area to recover stored water.

WATER RESOURCES SUMMARY

Water resources in Arizona is always an important topic to discuss when planning for the community's future. This Water Resources Element looked back at the past ten years of the 2025 Plan and found that there was strong growth in terms of homes, businesses, and economic opportunity. The 2025 plan analysis found that water demands grew at a modest 1% over each of the years in the 2025 Plan. In terms of resource management, this modest growth in demand is a good finding to report. However, full demand for a new home can take 3-5 years to develop once a home is built due to growing families and maturation of new landscaping. The City of Coolidge's water saving ordinances, AWC's system efficiencies, planning, use of CAP water, and public outreach has raised awareness and provided positive outcomes in terms of water use. The Coolidge Planning Area has had stable and reliable water service over the past ten years even while the area experienced high growth.

As the General Plan looks to the future from 2025 to 2035, questions related to the availability, reliability, and regulatory requirements of water resources are evergreen. The City of Coolidge has the flexibility to grow at its own pace because of the 100-year availability of water that has been proven for many proposed developments in the Planning Area. The Planning Area has the potential with current 100-year water availability approvals to add nearly 25,000 more homes and nearly 100 years of growth at the projected 5% growth per year. To continue providing reliable drinking water, AWC and Global Water look forward to augmenting supplies and to building new infrastructure. There is water now and into the future due to the unique public/private partnerships between the City of Coolidge and AWC, and the City of Coolidge and Global Water.